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EPIC® Industrial connectors

EPIC® industrial connectors can be found everywhere in industrial machinery and plant engineering, for measuring, control and drives. EPIC® is a flexible system of housings, inserts and contacts: all extremely robust, absolutely safe and simplicity itself to assemble.

Application range

- Electronics and telecommunications
- Measurement, testing and control technology
- Industrial machinery and appliances
- Drive technology and industrial automation
- Photovoltaic plants

Rectangular connectors**EPIC® H-A Inserts**

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EPIC® Industrial connectors

Flexible, robust connectors for mechanical engineering

EPIC® industrial connectors have successfully been in use around the globe in the most diverse applications for many years. EPIC® connectors are particularly valuable in situations where maximum safety and reliability are paramount. EPIC® rectangular connectors are available as individual components or as kits. As a result, customers can select from the best solutions to meet their demands in terms of housing, inserts and contacts.

The main areas of application are:

- Electronics and telecommunications
- Measurement, testing and control engineering
- Industrial machinery and appliances
- Drive systems and industrial automation
- Photovoltaic systems

products.lappgroup.com/connectorselector



EPIC® Rectangular connector housing

EPIC® – apart from the products' quality and reliability, tried and tested many times on the market, our customers greatly value the option to be able to almost completely define the cable entry of the housing to meet individual specifications.

EPIC® ULTRA – the high-quality, nickel-plated housing of this EPIC® ULTRA series provides even better corrosion protection. As a result of the outstanding EMC features of this surface, the connector provides perfect, low-resistance 360° screening thanks to the high-quality bolts and clamps made of stainless steel.

products.lappgroup.com/connector-housing



EPIC® Rectangular connector inserts

EPIC® – fixed pin inserts guarantee safe and simple handling suitable for plenty of industrial applications.

EPIC® – modular inserts provide maximum flexibility thanks to modules customers can configure to suit their individual requirements. Users can configure modules for data, signals, output, FOC and pneumatics in any combination in one housing.



EPIC® Accessories

Matching accessories are available for EPIC® housings and inserts. In addition to certified and approved crimping tools we also provide the matching assembly or disassembly tools. Protective covers made of impact-resistant plastic provide effective screening from environmental influences. Coding elements are suitable to prevent incorrect connections and protect the system. The range is rounded off by cover panels and spare parts for housings.

EPIC® rectangular connectors

Flexible, robust connectors for mechanical engineering



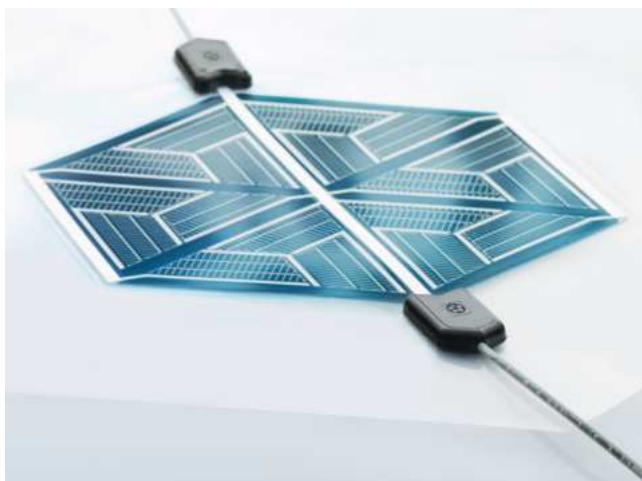
The connector system for mechanical and plant engineering and wherever a robust connection system is required. EPIC® Rectangular connectors are available as components. The right connector for any application can be made individually from housings, inserts and contacts. www.lappgroup.com/connectorfinder

For the housing, there are two performance classes to choose from

- EPIC® Standard is robust and there is a flexible choice of cable entries www.lappgroup.com/connector-housing
- EPIC® ULTRA has a high corrosion protection, EMC protection as well as a stainless steel interlocking device

EPIC® inserts are available in a fixed pin design and as a modular system

- EPIC® fixed pin inserts are easy to handle and come in a wide variety of designs
- EPIC® modular inserts offer flexibility with modules for data, signals, power, fibre-optics and pneumatics. This means every insert is individually tailor-made for the relevant modul configuration



Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® circular connectors

Compact connectors for motion control and energy transfer



Circular connections come in two designs, a signal design with gold-plated contacts for transmitting delicate signals and as high-reserve power connectors.

EPIC® SIGNAL connectors are available as M17, M23 and R3.0 (M27)

- The metal housing with an integrated EMC screen contact reliably prevents electromagnetic interferences
- Gold-plated signal contacts reliably transmit with the lowest of currents and voltages

EPIC® POWER connectors are available as M12, M17, LS1 (M23), LS1.5 (M40) and LS3 (M58)

- The integrated EMC cable glands offer strain relief and are perfectly sealed
- High-quality sealing materials for good chemical protection

EPIC® POWERLOCK

- Perfect for transmitting very high currents
- Colour coded and geometrically coded in order to prevent incorrect connections

EPIC® SOLAR connectors

Durable connectors for photovoltaics

High-quality connections for a long-term and reliable outdoor connection

EPIC® SOLAR field harnessable

- Crimp and insert the contact, twist the cable gland, it's that simple

EPIC® SOLAR Map for organic PV modules

- Customised production instead of off-the-shelf products, that's what the new PV connection technology made by LAPP is about



EPIC® H-A 3

H-A inserts with screw termination up to 2.5 mm² wire cross section



Info

- Small power connector for single - or three-phase current
- Easy to assemble due to straight entry of conductors
- Railway applications

EPIC® H-A 4

H-A inserts with screw termination up to 2.5 mm² wire cross section



Info

- Insert for three-phase current application with neutral conductor
- Easy to assemble due to straight entry of conductors
- Railway applications

Suitable housing

- EPIC® ULTRA H-A 3 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Benefits

- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4
- The small H-A 3 / H-A 4 are used whenever there is minimal space.
- Easy to service screw connection
- Easy cable connection with strait cable entry in the contacts

Application range

- Railway applications / vehicle construction
- Machine and equipment manufacturing
- Control engineering
- Apparatus construction

Suitable tools

- Kraftform® adjustable torque screwdriver/ Kraftform Kompakt® Set refer to page 1060

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors
	Rated voltage (V) IEC: 400 V UL: 600 V CSA: 600 V
	Rated impulse voltage 4 kV
	Rated current (A) IEC: 23 A UL: 10 A CSA: 10 A
	Pollution degree 3
	Contact resistance 1.5 - 4 mohm
	Contacts Copper alloy, hard silver-plated



Number of contacts

EPIC® H-A 3

3 + PE

EPIC® H-A 4

4 + PE



Termination methods

Screw termination: 0.5 - 2.5 mm²
(2.5 mm² with conductor end sleeves depending on the crimping profile)

Stripping length (mm)

6



Cycle of mechanical operation

100



VDE-tested

Certified production control:
VDE-REG. no.: B437

UL-tested:

UL File Number: E75770



Temperature range

-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	Contact type	Number of operating contacts	Pieces / PU
H-A 3 screw termination				
10420000	H-A 3 SS	male	1 - 3	10
10421000	H-A 3 BS	female	1 - 3	10
H-A 4 screw termination				
10431000	H-A 4 SS	male	1 - 4	10
10432000	H-A 4 BS	female	1 - 4	10

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EPIC® H-A 10

H-A inserts with screw termination up to 2.5 mm² wire cross section



EPIC® H-A 16

H-A inserts with screw termination up to 2.5 mm² wire cross section



Info

- Slim standard insert, easy to connect by screw
- Universal for current and voltage transmission



Info

- Slim standard insert, easy to connect by screw
- Universal for current and voltage transmission

Suitable housing

EPIC® H-A 10

- EPIC® H-A 10 Housings

EPIC® H-A 16

- EPIC® H-A 16 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Similar products

- Further products with higher numbering in the internet. (H-A 32, H-A 48)

Benefits

- Slim connector insert for standard application
- Easy to service screw connection
- Universal for current and voltage transmission

Application range

- Machine and equipment manufacturing
- Control engineering

Suitable tools

- Kraftform® adjustable torque screwdriver/ Kraftform Kompakt® Set refer to page 1060

Technical data

Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC000438
ETIM 5.0/6.0 Class-Description:
Contact insert for industrial connectors

Rated voltage (V)
IEC: 250 V
UL: 600 V
CSA: 600 V

Rated impulse voltage
4 kV

Rated current (A)
IEC: 16 A
UL: 14 A
CSA: 16 A

Pollution degree
3

Contact resistance
1.5 - 4 mohm

Contacts
Copper alloy, hard silver-plated

Number of contacts
EPIC® H-A 10

10 + PE

EPIC® H-A 16

16 + PE

Termination methods
Screw termination: 0.5 - 2.5 mm²
(2.5 mm² with conductor end sleeves
depending on the crimping profile)

Stripping length (mm)
8

Cycle of mechanical operation
100

VDE-tested
Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Wire protection	Number of operating contacts	Pieces / PU
H-A 10 screw termination					
10440100	H-A 10 SS	male	yes	1 - 10	5
10441100	H-A 10 BS	female	yes	1 - 10	5
10440000	H-A 10 SS	male		1 - 10	5
10441000	H-A 10 BS	female		1 - 10	5
H-A 16 screw termination					
10530000	H-A 16 SS	male	yes	1 - 16	5
10531000	H-A 16 BS	female	yes	1 - 16	5
10532000	H-A 16 SS	male		1 - 16	5
10533000	H-A 16 BS	female		1 - 16	5

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Similar products

- Further products with higher numbering in the internet.
(H-A 32, H-A 48)



EPIC® STA 6 Screw termination

The proven STA inserts with spring contacts



Info

- For reliable signal transmission in harsh environmental conditions
- Mechanically robust spring contacts

EPIC® STA 6 Solder termination

The proven STA inserts with spring contacts



Info

- For reliable signal transmission in harsh environmental conditions
- Mechanically robust spring contacts

Suitable housing

- EPIC® ULTRA H-A 3 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Benefits

- Good contact due to the strong contact springs.
- The proven STA inserts with spring contacts

Application range

- Control systems
- Rack technology
- Electronic laboratory

Technical data

Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC000438
ETIM 5.0/6.0 Class-Description:
Contact insert for industrial connectors

Rated voltage (V)
IEC: 24 V AC, 60 V DC
UL: 48 V
CSA: 48 V

Rated current (A)
IEC: 10 A
UL: 10 A
CSA: 10 A

Pollution degree
2

Contact resistance
< 3 mOhm

Contacts
Copper alloy, tinned

Number of contacts
6

Termination methods
EPIC® STA 6 Screw termination
Screw termination: 0.5 - 1.5 mm²
EPIC® STA 6 Solder termination
Solder termination: up to 1.5 mm²

Stripping length (mm)
5

Cycle of mechanical operation
100

VDE-tested
UL-tested:
UL File Number: E75770

Temperature range
-40°C up to +80°C

Article number	Article description	Contact type	Number of operating contacts	Pieces / PU
STA 6 screw termination				
10486100	STA 6 SS	Pin	1 - 6	10
10488100	STA 6 FS	Spring	1 - 6	10
STA 6 solder termination				
10485200	STA 6 SL	male	1 - 6	10
10487200	STA 6 FL	Spring	1 - 6	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



Info

- For reliable signal transmission in harsh environmental conditions
- Mechanically robust spring contacts



Info

- For reliable signal transmission in harsh environmental conditions
- Mechanically robust spring contacts

Suitable housing

- EPIC® H-A 10 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Benefits

- Good contact due to the strong contact springs.
- The proven STA inserts with spring contacts

Application range

- Control systems
- Rack technology
- Electronic laboratory



EPIC® STA 14 Solder termination

The proven STA inserts with spring contacts



Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors
	Rated voltage (V) IEC: 24 V AC, 60 V DC UL: 48 V CSA: 48 V
	Rated current (A) IEC: 7.5 A UL: 7.5 A CSA: 7.5 A
	Pollution degree 2
	Contact resistance < 3 mOhm
	Contacts Copper alloy, tinned

	Number of contacts 14
	Termination methods EPIC® STA 14 Screw termination Screw termination: 0.5 - 1.5 mm ² EPIC® STA 14 Solder termination Solder termination: up to 1.5 mm ²
	Stripping length (mm) 5
	Cycle of mechanical operation 100
	VDE-tested UL-tested: UL File Number: E75770
	Temperature range -40°C up to +80°C

Article number	Article description	Contact type	Number of operating contacts	Pieces / PU
STA 14 screw termination				
10491100	STA 14 SS	male	1 - 14	5
10493100	STA 14 FS	Spring	1 - 14	5
STA 14 solder termination				
10490200	STA 14 SL	male	1 - 14	5
10492200	STA 14 FL	Spring	1 - 14	5

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® STA 20 Screw termination

The proven STA inserts with spring contacts



Info

- For reliable signal transmission in harsh environmental conditions
- Mechanically robust spring contacts

EPIC® STA 20 Solder termination

The proven STA inserts with spring contacts



Info

- For reliable signal transmission in harsh environmental conditions
- Mechanically robust spring contacts

Suitable housing

- EPIC® H-A 16 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Benefits

- Good contact due to the strong contact springs.
- The proven STA inserts with spring contacts

Application range

- Control systems
- Rack technology
- Electronic laboratory

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000438

ETIM 5.0/6.0 Class-Description:

Contact insert for industrial connectors



Rated voltage (V)

IEC: 24 V AC, 60 V DC

UL: 48 V

CSA: 48 V



Rated current (A)

IEC: 7 A

UL: 7 A

CSA: 7 A



Pollution degree

2



Contact resistance

< 3 mOhm



Contacts

Copper alloy, tinned



Number of contacts

20



Termination methods

EPIC® STA 20 Screw termination

Screw termination: 0.5 - 1.5 mm²

EPIC® STA 20 Solder termination

Solder termination: up to 1.5 mm²

Stripping length (mm)

5



Cycle of mechanical operation

100



VDE-tested

UL-tested:

UL File Number: E75770



Temperature range

-40°C up to +80°C

Article number	Article description	Contact type	Number of operating contacts	Pieces / PU
STA 20 screw termination				
10501100	STA 20 SS	male	1 - 20	5
10503100	STA 20 FS	Spring	1 - 20	5
STA 20 solder termination				
10500200	STA 20 SL	male	1 - 20	5
10502200	STA 20 FL	Spring	1 - 20	5

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



Info

- Compact, powerful standard insert
- Space saving, crimping contact

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors		Contact resistance < 2 mOhm
	Rated voltage (V) IEC: 230 V / 400 V UL: 600 V CSA: 600 V		Contacts Copper alloy, hard silver/gold-plated
	Rated impulse voltage 4 kV		Number of contacts 5 + PE
	Rated current (A) IEC: 16 A UL: 16 A CSA: 16 A		Termination methods Crimp termination: 0.5 - 2.5 mm ²
	Pollution degree 3		Material PBT Polyester
	Flammability UL94 V-0		Cycle of mechanical operation 100
			VDE-tested UL-tested: UL File Number: E75770
			Temperature range -40°C to +100°C, short-term up to +125°C



Suitable housing

- EPIC® ULTRA H-A 3 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

- EPIC® H-BE 2.5 machined contacts
Page 590

Benefits

- High performance crimping contacts
- PE contact with screw connection

Application range

- Machine and equipment manufacturing
- Control engineering

Article number	Article description	Contact type	Number of operating contacts	Pieces / PU
H-Q 5 crimp termination				
10431500	H-Q 5 SC	male	1 - 5	10
10432500	H-Q 5 BC	female	1 - 5	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



Info

- 12 power contacts in confined spaces
- Space saving, crimping contact

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors		Contacts Copper alloy, hard silver/gold-plated
	Rated voltage (V) IEC: 400 V UL: 600 V CSA: 600 V		Number of contacts 12 + PE
	Rated impulse voltage 6 kV		Termination methods Crimp termination: 0.14 - 2.5 mm ²
	Rated current (A) IEC: 10 A UL: 14 A CSA: 10 A		Material PA Polyamid
	Pollution degree 3		Cycle of mechanical operation 200
	Flammability UL94 V-0		VDE-tested CSA-tested: CSA File Number: 262771 UL-tested: UL File Number: E75770
	Contact resistance < 3 mOhm		Temperature range -40°C to +120°C



Suitable housing

- EPIC® ULTRA H-A 3 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

- EPIC® H-D 1.6 machined contacts
Page 587

Benefits

- High performance crimping contacts
- PE contact with screw connection

Application range

- Machine and equipment manufacturing
- Control engineering

Article number	Article description	Contact type	Number of operating contacts	Pieces / PU
H-Q 12 Crimp termination				
44424049	H-Q 12 SC	male	1 - 12	10
44424050	H-Q 12 BC	female	1 - 12	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® H-D 7 machined

Multi-pole inserts for machined crimp contacts



Info

- Compact, powerful standard insert
- For machined contacts for fast processing with the crimping tool

EPIC® H-D 7 stamped

Multi-pole inserts for stamped crimp contacts



Info

- For automated production with crimping machine
- Space saving, crimping contact
- Suitable for processing with contacts on reel

Suitable housing

- EPIC® ULTRA H-A 3 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

EPIC® H-D 7 machined

- EPIC® H-D 1.6 machined contacts Page 587

EPIC® H-D 7 stamped

- EPIC® H-D 1.6 stamped contacts Page 588
- EPIC® H-D 1.6 stamped contacts-on-reel Page 589

Benefits

- Small, high-performance connector
- High performance crimping contacts
- PE contact with screw connection

Application range

- Machine and equipment manufacturing
- Control engineering

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors
	Rated voltage (V) IEC: 24 V (AC)/60 V (DC) metal housing; 250 V thermoplastic housing; UL: 250 V
	Rated impulse voltage 2.5 kV
	Rated current (A) IEC: 10 A UL: 10 A
	Pollution degree 3
	Flammability UL94 V-0
	Contact resistance < 2 mOhm

	Contacts Copper alloy, hard silver/gold-plated
	Number of contacts 7 + PE
	Termination methods Crimp termination: 0.14 - 2.5 mm²
	Material PBT Polyester
	Cycle of mechanical operation 100
	VDE-tested Certified production control: VDE-REG. no.: B437 UL-tested: UL File Number: E75770
	Temperature range -40°C to +100°C, short-term up to +125°C

Article number	Article description	Contact type	Article designation	Number of operating contacts	Pieces / PU
EPIC® H-D 7 machined					
11250500	H-D 7 SCM	male	machined	1 - 7	10
11251500	H-D 7 BCM	female	machined	1 - 7	10
EPIC® H-D 7 stamped					
11250000	H-D 7 SCG	male	stamped	1 - 7	10
11251000	H-D 7 BCG	female	stamped	1 - 7	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Accessories

- EPIC® Fixing screws refer to page 629



EPIC® H-D 8

Multi-pole inserts for machined crimp contacts



Info

- Compact, powerful standard insert
- For machined contacts for fast processing with the crimping tool

Suitable housing

- EPIC® ULTRA H-A 3 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

- EPIC® H-D 1.6 machined contacts
Page 587

Benefits

- Small, high-performance connector
- High performance crimping contacts
- PE contact with screw connection

Application range

- Machine and equipment manufacturing
- Control engineering

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors		Contacts Copper alloy, hard silver/gold-plated
	Rated voltage (V) IEC: 24 V (AC)/60 V (DC) metal housing; 250 V thermoplastic housing; UL: 250 V		Number of contacts 8
	Rated impulse voltage 2.5 kV		Termination methods Crimp termination: 0.14 - 2.5 mm ²
	Rated current (A) IEC: 10 A UL: 10 A		Material PBT Polyester
	Pollution degree 3		Cycle of mechanical operation 100
	Flammability UL94 V-0		VDE-tested Certified production control: VDE-REG. no.: B437 UL-tested: UL File Number: E75770
	Contact resistance < 2 mOhm		Temperature range -40°C to +100°C, short-term up to +125°C

Article number	Article description	Contact type	Number of operating contacts	Pieces / PU
EPIC® H-D 8				
11252500	H-D 8 SCM	male	1 - 8	10
11253500	H-D 8 BCM	female	1 - 8	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Accessories

- EPIC® Fixing screws refer to page 629



EPIC® H-D 15 machined

Multi-pole inserts for machined crimp contacts



Info

- For machined contacts for fast processing with the crimping tool

EPIC® H-D 15 stamped

Multi-pole inserts for stamped crimp contacts



Info

- For automated production with crimping machine
- Suitable for processing with contacts on reel

Suitable housing

- EPIC® H-A 10 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

EPIC® H-D 15 machined

- EPIC® H-D 1.6 machined contacts Page 587

EPIC® H-D 15 stamped

- EPIC® H-D 1.6 stamped contacts Page 588
- EPIC® H-D 1.6 stamped contacts-on-reel Page 589

Benefits

- Inserts of the connector series H-D are designed for applications in which a high number of contacts are required.

Application range

- Machine and equipment manufacturing
- Control engineering

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000438
ETIM 5.0/6.0 Class-Description:
Contact insert for industrial connectors



Rated voltage (V)

IEC: 250 V
UL: 250 V

Rated impulse voltage

2.5 kV



Rated current (A)

IEC: 10 A
UL: 10 A



Pollution degree

3

Contact resistance

< 2 mOhm



Contacts

Copper alloy, hard silver/gold-plated



Number of contacts

15 + PE



Termination methods

Crimp termination: 0.14 - 2.5 mm²



Cycle of mechanical operation

100



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	Contact type	Article designation	Number of operating contacts	Pieces / PU
EPIC® H-D 15 machined					
11283200	H-D 15 SCM	male	machined	1 - 15	5
11282200	H-D 15 BCM	female	machined	1 - 15	5
EPIC® H-D 15 stamped					
11255000	H-D 15 SCG	male	stamped	1 - 15	5
11256000	H-D 15 BCG	female	stamped	1 - 15	5

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



Info

- For machined contacts for fast processing with the crimping tool

EPIC® H-D 25 machined

Multi-pole inserts for machined crimp contacts



EPIC® H-D 25 stamped

Multi-pole inserts for stamped crimp contacts



Info

- For automated production with crimping machine
- Suitable for processing with contacts on reel

Suitable housing

- EPIC® H-A 16 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

EPIC® H-D 25 machined

- EPIC® H-D 1.6 machined contacts
Page 587

EPIC® H-D 25 stamped

- EPIC® H-D 1.6 stamped contacts Page 588
- EPIC® H-D 1.6 stamped contacts-on-reel
Page 589

Benefits

- Inserts of the connector series H-D are designed for applications in which a high number of contacts are required.

Application range

- Machine and equipment manufacturing
- Control engineering

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors		Contacts Copper alloy, hard silver/gold-plated
	Rated voltage (V) IEC: 250 V UL: 250 V		Number of contacts 25 + PE
	Rated impulse voltage 2.5 kV		Termination methods Crimp termination: 0.14 - 2.5 mm²
	Rated current (A) IEC: 10 A UL: 10 A		Cycle of mechanical operation 100
	Pollution degree 3		VDE-tested Certified production control: VDE-REG. no.: B437 UL-tested: UL File Number: E75770
	Contact resistance < 2 mOhm		Temperature range -40°C to +100°C, short-term up to +125°C

Article number	Article description	Contact type	Article designation	Number of operating contacts	Pieces / PU
EPIC® H-D 25 machined					
11283300	H-D 25 SCM	male	machined	1 - 25	5
11282300	H-D 25 BCM	female	machined	1 - 25	5
EPIC® H-D 25 stamped					
11260000	H-D 25 SCG	male	stamped	1 - 25	5
11261000	H-D 25 BCG	female	stamped	1 - 25	5

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® H-D 40 machined

Multi-pole inserts for machined crimp contacts



Info

- For machined contacts for fast processing with the crimping tool

EPIC® H-D 40 stamped

Multi-pole inserts for stamped crimp contacts



Info

- For automated production with crimping machine
- Suitable for processing with contacts on reel

Suitable housing

- EPIC® ULTRA H-B 16
- EPIC® H-B 16 Housings
- EPIC® QUICK & EASY Mounting system

Suitable contacts:

EPIC® H-D 40 machined

- EPIC® H-D 1.6 machined contacts
Page 587

EPIC® H-D 40 stamped

- EPIC® H-D 1.6 stamped contacts Page 588
- EPIC® H-D 1.6 stamped contacts-on-reel
Page 589

Benefits

- Inserts of the connector series H-D are designed for applications in which a high number of contacts are required.

Application range

- Plant engineering
- Light & sound technology

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000438
ETIM 5.0/6.0 Class-Description:
Contact insert for industrial connectors



Rated voltage (V)

IEC: 250 V
UL: 250 V

Rated impulse voltage

2.5 kV



Rated current (A)

IEC: 10 A
UL: 10 A



Pollution degree

3

Contact resistance

< 2 mOhm



Contacts

Copper alloy, hard silver/gold-plated



Number of contacts

40 + PE



Termination methods

Crimp termination: 0.14 - 2.5 mm²



Cycle of mechanical operation

100



VDE-tested

UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Article designation	Number of operating contacts	Pieces / PU
EPIC® H-D 40 machined					
11265200	H-D 40 SCM	male	machined	1 - 40	10
11266200	H-D 40 BCM	female	machined	1 - 40	10
EPIC® H-D 40 stamped					
11265000	H-D 40 SCG	male	stamped	1 - 40	5
11266000	H-D 40 BCG	female	stamped	1 - 40	5

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® H-D 64 machined

Multi-pole inserts for machined crimp contacts



EPIC® H-D 64 stamped

Multi-pole inserts for stamped crimp contacts



Info

- For machined contacts for fast processing with the crimping tool



Info

- For automated production with crimping machine
- Suitable for processing with contacts on reel

Suitable housing

- EPIC® ULTRA H-B 24
- EPIC® H-B 24 Housings
- EPIC® QUICK & EASY Mounting system

Suitable contacts:

EPIC® H-D 64 machined

- EPIC® H-D 1.6 machined contacts Page 587

EPIC® H-D 64 stamped

- EPIC® H-D 1.6 stamped contacts Page 588
- EPIC® H-D 1.6 stamped contacts-on-reel Page 589

Benefits

- Inserts of the connector series H-D are designed for applications in which a high number of contacts are required.

Application range

- Plant engineering
- Light & sound technology

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors		Contacts Copper alloy, hard silver/gold-plated
	Rated voltage (V) IEC: 250 V UL: 250 V		Number of contacts 64 + PE
	Rated impulse voltage 2.5 kV		Termination methods Crimp termination: 0.14 - 2.5 mm²
	Rated current (A) IEC: 10 A UL: 10 A		Cycle of mechanical operation 100
	Pollution degree 3		VDE-tested UL-tested: UL File Number: E75770
	Contact resistance < 2 mOhm		Temperature range -40°C to +100°C, short-term up to +125°C

Article number	Article description	Contact type	Article designation	Number of operating contacts	Pieces / PU
EPIC® H-D 64 machined					
11272000	H-D 64 SCM	male	machined	1 - 64	10
11273000	H-D 64 BCM	female	machined	1 - 64	10
EPIC® H-D 64 stamped					
11270000	H-D 64 SCG	male	stamped	1 - 64	5
11271000	H-D 64 BCG	female	stamped	1 - 64	5

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® H-DD 24

The H-DD series with machined crimp contacts - for a high number of pin in very tight spaces.



Info

- Highest packing density for compact connectors

EPIC® H-DD 42

The H-DD series with machined crimp contacts - for a high number of pin in very tight spaces.



Info

- Highest packing density for compact connectors

Suitable housing

EPIC® H-DD 24

- EPIC® ULTRA H-B 6
 - EPIC® H-B 6 Housings
 - EPIC® QUICK & EASY Mounting system
- #### EPIC® H-DD 42
- EPIC® ULTRA H-B 10
 - EPIC® H-B 10 Housings
 - EPIC® QUICK & EASY Mounting system

Suitable contacts:

- EPIC® H-D 1.6 machined contacts
- Page 587

Benefits

- The H-DD series with machined contacts is designed for a high number of pins in very tight spaces. This allows for smaller housing types to be chosen.

Application range

- Mechanical engineering
- Light & sound technology
- Plastics industry

Technical data

Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC000438
ETIM 5.0/6.0 Class-Description:
Contact insert for industrial connectors

Rated voltage (V)
IEC: 250 V
UL: 600 V
CSA: 600 V

Rated impulse voltage
2.5 kV

Rated current (A)
IEC: 10 A
UL: 8.5 A
CSA: 10 A

Pollution degree
2

Contact resistance
< 3 mOhm



Contacts

Copper alloy, hard silver/gold-plated



Number of contacts

EPIC® H-DD 24

24 + PE

EPIC® H-DD 42

42 + PE



Termination methods

Crimp termination: 0.14 - 2.5 mm²



Cycle of mechanical operation

100



VDE-tested

Certified production control:

VDE-REG. no.: B437

UL-tested:

UL File Number: E75770



Temperature range

-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	Contact type	Article designation	Number of operating contacts	Pieces / PU
H-DD 24 crimp termination					
11285000	H-DD 24 SCM	male	machined	1 - 24	5
11286000	H-DD 24 BCM	female	machined	1 - 24	5
H-DD 42 crimp termination					
11285100	H-DD 42 SCM	male	machined	1 - 42	5
11286100	H-DD 42 BCM	female	machined	1 - 42	5

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® H-DD 72

The H-DD series with machined crimp contacts - for a high number of pin in very tight spaces.



Info

- Highest packing density for compact connectors
- Also as EPIC® H-DD 144 available



EPIC® H-DD 108

The H-DD series with machined crimp contacts - for a high number of pin in very tight spaces.



Info

- Highest packing density for compact connectors
- Also as EPIC® H-DD 216 available



Suitable housing

EPIC® H-DD 72

- EPIC® ULTRA H-B 16
- EPIC® H-B 16 Housings
- EPIC® QUICK & EASY Mounting system

EPIC® H-DD 108

- EPIC® ULTRA H-B 24
- EPIC® H-B 24 Housings
- EPIC® QUICK & EASY Mounting system

Suitable contacts:

- EPIC® H-D 1.6 machined contacts
- Page 587

Similar products

- Further products with higher numbering in the internet. (H-DD 144, H-DD 216)

Benefits

- The H-DD series with machined contacts is designed for a high number of pins in very tight spaces. This allows for smaller housing types to be chosen.

Application range

- Mechanical engineering
- Light & sound technology
- Plastics industry

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000438
ETIM 5.0/6.0 Class-Description:
Contact insert for industrial connectors



Rated voltage (V)

IEC: 250 V
UL: 600 V
CSA: 600 V

Rated impulse voltage

2.5 kV



Rated current (A)

IEC: 10 A
UL: 8.5 A
CSA: 10 A



Pollution degree

2

Contact resistance

< 3 mOhm



Contacts

Copper alloy, hard silver/gold-plated



Number of contacts

EPIC® H-DD 72

72 + PE

EPIC® H-DD 108

108 + PE



Termination methods

Crimp termination: 0.14 - 2.5 mm²



Cycle of mechanical operation

100



VDE-tested

Certified production control:

VDE-REG. no.: B437

UL-tested:

UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Article designation	Number of operating contacts	Pieces / PU
H-DD 72 crimp termination					
11285200	H-DD 72 SCM	male	machined	1 - 72	5
11286200	H-DD 72 BCM	female	machined	1 - 72	5
H-DD 108 crimp termination					
11285300	H-DD 108 SCM	male	machined	1 - 108	5
11286300	H-DD 108 BCM	female	machined	1 - 108	5

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Similar products

- Further products with higher numbering in the internet.
(H-DD 144, H-DD 216)



EPIC® H-BE 6 Screw termination

The proven standard inserts for easy assembly



Info

- Proven screw for easy installation
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Railway applications

EPIC® H-BE 6 Crimp termination

The proven standard inserts for easy assembly



Info

- For wire connection up to 4 mm²
- Screw, crimp, cage clamp and Push-In version - freely combinable

EPIC® H-BE 6 Cage clamp

The proven standard inserts for easy assembly



Info

- Vibration resistant and fast wire connection
- Screw, crimp, cage clamp and Push-In version - freely combinable

EPIC® H-BE 6 Push-In termination

The proven standard inserts for easy assembly



Info

- Push-In version - fast and easy tool free connection technology
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Multifunctional insert for versatile applications

Suitable housing

- EPIC® ULTRA H-B 6
- EPIC® H-B 6 Housings
- Refer to Selection Table A 10 to select the required inserts and Housings
- EPIC® QUICK & EASY Mounting system

Suitable contacts:

EPIC® H-BE 6 Crimp termination

- EPIC® H-BE 2.5 machined contacts
- Page 590

Benefits

- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

EPIC® H-BE 6 Screw termination

- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4
- UL tested for application in control cabinets according UL 508 / UL 2237

EPIC® H-BE 6 Push-In termination

- Insertion of cores with end sleeves in Push-In inserts gives mounting safety and time saving without any tools
- Easy dismantling and insertion of wires by pushing the orange button
- Test socket for standard 2mm test tip for easy testing of Push-In inserts
- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Light & sound technology
- Plastics industry

EPIC® H-BE 6 Push-In termination

EPIC® H-BE 6 Screw termination

- Railway applications / vehicle construction

Suitable tools

EPIC® H-BE 6 Screw termination

- Kraftform® adjustable torque screwdriver / Kraftform Kompakt® Set refer to page 1060

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors		Termination methods EPIC® H-BE 6 Screw termination Screw termination: 0.5 - 2.5 mm² EPIC® H-BE 6 Crimp termination Crimp termination: 0.5 - 4.0 mm² EPIC® H-BE 6 Cage clamp Cage clamp termination: 0.5 - 2.5 mm² EPIC® H-BE 6 Push-In termination Push-In termination: 0.14 - 2.5mm²
	Rated voltage (V) IEC: 500 VUL: 600 VCSA: 600 V		Stripping length (mm) EPIC® H-BE 6 Screw termination 8 EPIC® H-BE 6 Cage clamp 7 EPIC® H-BE 6 Push-In termination 10
	Rated current (A) EPIC® H-BE 6 Screw termination EPIC® H-BE 6 Crimp termination EPIC® H-BE 6 Cage clamp IEC: 16 A UL: 16 A CSA: 16 A EPIC® H-BE 6 Push-In termination IEC: 16 A UL: 13 A CSA: 13 A		Material EPIC® H-BE 6 Screw termination PC, polycarbonate EPIC® H-BE 6 Crimp termination PC, polycarbonate EPIC® H-BE 6 Push-In termination PA Polyamid
	Pollution degree 3		Cycle of mechanical operation EPIC® H-BE 6 Screw termination 500 EPIC® H-BE 6 Crimp termination 100 EPIC® H-BE 6 Cage clamp 100 EPIC® H-BE 6 Push-In termination 500
	Flammability EPIC® H-BE 6 Screw termination EPIC® H-BE 6 Crimp termination EPIC® H-BE 6 Push-In termination UL94 V-0 EPIC® H-BE 6 Cage clamp UL94 V-2		Certifications EPIC® H-BE 6 Screw termination Certified production control: VDE-REG. no.: B437 UL-tested: UL File Number: E75770 and E483837 EPIC® H-BE 6 Crimp termination Certified production control: VDE-REG. no.: B437 UL-tested: UL File Number: E75770 EPIC® H-BE 6 Cage clamp UL-tested: UL File Number: E75770 EPIC® H-BE 6 Push-In termination UL-tested: UL File Number: E75770
	Contact resistance EPIC® H-BE 6 Screw termination < 2 mOhm EPIC® H-BE 6 Crimp termination < 2 mOhm EPIC® H-BE 6 Cage clamp 1.5 - 4 mohm EPIC® H-BE 6 Push-In termination < 2 mOhm		Temperature range -40°C to +100°C, short-term up to +125°C
	Contacts EPIC® H-BE 6 Screw termination Copper alloy, hard silver-plated EPIC® H-BE 6 Crimp termination Copper alloy, hard silver/gold-plated EPIC® H-BE 6 Cage clamp Copper alloy, hard silver-plated EPIC® H-BE 6 Push-In termination Copper alloy, hard silver-plated		
	Number of contacts 6 + PE		

Article number	Article description	Contact type	Wire protection	Number of operating contacts	Pieces / PU
H-BE 6 screw termination					
10190000	EPIC® H-BE 6 SS	male	yes	1 - 6	10
10191000	EPIC® H-BE 6 BS	female	yes	1 - 6	10
10190100	EPIC® H-BE 6 SS	male		1 - 6	10
10191100	EPIC® H-BE 6 BS	female		1 - 6	10
H-BE 6 crimp termination					
10180000	EPIC® H-BE 6 SCM	male		1 - 6	10
10181000	EPIC® H-BE 6 BCM	female		1 - 6	10
H-BE 6 cage clamp termination					
10400000	EPIC® H-BE 6 SF	male	yes	1 - 6	10
10401000	EPIC® H-BE 6 BF	female	yes	1 - 6	10
H-BE 6 Push-In termination					
44423200	EPIC® H-BE 6 SP	male	yes	1 - 6	10
44423201	EPIC® H-BE 6 BP	female	yes	1 - 6	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® H-BE 10 Screw termination

The proven standard inserts for easy assembly



Info

- Proven screw for easy installation
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Railway applications

EPIC® H-BE 10 Crimp termination

The proven standard inserts for easy assembly



Info

- For wire connection up to 4 mm²
- Screw, crimp, cage clamp and Push-In version - freely combinable

EPIC® H-BE 10 Cage clamp

The proven standard inserts for easy assembly



Info

- Multifunctional insert for versatile applications
- Screw, crimp, cage clamp and Push-In version - freely combinable

EPIC® H-BE 10 Push-In termination

The proven standard inserts for easy assembly



Info

- Push-In version - fast and easy tool free connection technology
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Multifunctional insert for versatile applications

Suitable housing

- EPIC® ULTRA H-B 10
- EPIC® H-B 10 Housings
- EPIC® QUICK & EASY Mounting system
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

EPIC® H-BE 10 Crimp termination

- EPIC® H-BE 2.5 machined contacts

Page 590

Benefits

- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4
- UL tested for application in control cabinets according UL 508 / UL 2237

EPIC® H-BE 10 Push-In termination

- Insertion of cores with end sleeves in Push-In inserts gives mounting safety and time saving without any tools
- Easy dismantling and insertion of wires by pushing the orange button
- Test socket for standard 2mm test tip for easy testing of Push-In inserts
- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Plastics industry
- Light & sound technology

EPIC® H-BE 10 Screw termination

EPIC® H-BE 10 Push-In termination

- Railway applications / vehicle construction

Suitable tools

EPIC® H-BE 10 Screw termination

- Kraftform® adjustable torque screwdriver/ Kraftform Kompakt® Set refer to page 1060

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors		Termination methods EPIC® H-BE 10 Screw termination Screw termination: 0.5 - 2.5 mm² EPIC® H-BE 10 Crimp termination Crimp termination: 0.5 - 4.0 mm² EPIC® H-BE 10 Cage clamp Cage clamp termination: 0.5 - 2.5 mm² EPIC® H-BE 10 Push-In termination Push-In termination: 0.14 - 2.5mm²
	Rated voltage (V) IEC: 500 VUL: 600 VCSA: 600 V		Stripping length (mm) EPIC® H-BE 10 Screw termination 8 EPIC® H-BE 10 Cage clamp 7 EPIC® H-BE 10 Push-In termination 10
	Rated current (A) EPIC® H-BE 10 Screw termination EPIC® H-BE 10 Crimp termination EPIC® H-BE 10 Cage clamp IEC: 16 A UL: 16 A CSA: 16 A IEC: 16 A UL: 16 A CSA: 16 AEPIC® H-BE 10 Push-In termination IEC: 16 A UL: 13 A CSA: 13 A		Material EPIC® H-BE 10 Screw termination PC, polycarbonate EPIC® H-BE 10 Crimp termination PC, polycarbonate EPIC® H-BE 10 Push-In termination PA Polyamid
	Pollution degree 3		Cycle of mechanical operation EPIC® H-BE 10 Screw termination 500 EPIC® H-BE 10 Crimp termination 100 EPIC® H-BE 10 Cage clamp 100 EPIC® H-BE 10 Push-In termination 500
	Flammability EPIC® H-BE 10 Screw termination EPIC® H-BE 10 Crimp termination EPIC® H-BE 10 Push-In termination UL94 V-0 EPIC® H-BE 10 Cage clamp UL94 V-2		Certifications EPIC® H-BE 10 Screw termination Certified production control: VDE-REG. no.: B437 UL-tested: UL File Number: E75770 and E483837 EPIC® H-BE 10 Crimp termination Certified production control: VDE-REG. no.: B437 UL-tested: UL File Number: E75770 EPIC® H-BE 10 Cage clamp UL-tested: UL File Number: E75770 EPIC® H-BE 10 Push-In termination UL-tested: UL File Number: E75770
	Contacts EPIC® H-BE 10 Screw termination Copper alloy, hard silver-plated EPIC® H-BE 10 Crimp termination Copper alloy, hard silver/gold-plated EPIC® H-BE 10 Cage clamp Copper alloy, hard silver-plated EPIC® H-BE 10 Push-In termination Copper alloy, hard silver-plated		Temperature range -40°C to +100°C, short-term up to +125°C
	Number of contacts 10 + PE		

Article number	Article description	Contact type	Wire protection	Number of operating contacts	Pieces / PU
H-BE 10 screw termination					
10192000	EPIC® H-BE 10 SS	male	yes	1 - 10	10
10193000	EPIC® H-BE 10 BS	female	yes	1 - 10	10
10192100	EPIC® H-BE 10 SS	male		1 - 10	10
10193100	EPIC® H-BE 10 BS	female		1 - 10	10
H-BE 10 crimp termination					
10182000	EPIC® H-BE 10 SCM	male		1 - 10	10
10183000	EPIC® H-BE 10 BCM	female		1 - 10	10
H-BE 10 cage clamp termination					
10400100	EPIC® H-BE 10 SF	male	yes	1 - 10	10
10401100	EPIC® H-BE 10 BF	female	yes	1 - 10	10
H-BE 10 Push-In termination					
44423202	EPIC® H-BE 10 SP	male	yes	1 - 10	10
44423203	EPIC® H-BE 10 BP	female	yes	1 - 10	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® H-BE 16 Screw termination

The proven standard inserts for easy assembly



Info

- Proven screw for easy installation
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Also as EPIC® H-BE 32 available

EPIC® H-BE 16 Crimp termination

The proven standard inserts for easy assembly



Info

- For wire connection up to 4 mm²
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Also as EPIC® H-BE 32 available

EPIC® H-BE 16 Cage clamp

The proven standard inserts for easy assembly



Info

- Multifunctional insert for versatile applications
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Also as EPIC® H-BE 32 available

EPIC® H-BE 16 Push-In termination

The proven standard inserts for easy assembly



Info

- Push-In version - fast and easy tool free connection technology
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Multifunctional insert for versatile applications

Suitable housing

- EPIC® ULTRA H-B 16
- EPIC® H-B 16 Housings
- EPIC® QUICK & EASY Mounting system
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

EPIC® H-BE 16 Crimp termination

- EPIC® H-BE 2.5 machined contacts
- Page 590

Similar products

- Further products with higher numbering in the internet. (H-BE 32, H-BE 48)

Benefits

- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

EPIC® H-BE 16 Screw termination

- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

- UL tested for application in control cabinets according UL 508 / UL 2237

EPIC® H-BE 16 Push-In termination

- Insertion of cores with end sleeves in Push-In inserts gives mounting safety and time saving without any tools
- Easy dismantling and insertion of wires by pushing the orange button

- Test socket for standard 2mm test tip for easy testing of Push-In inserts
- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Plastics industry
- Light & sound technology

EPIC® H-BE 16 Screw termination

EPIC® H-BE 16 Push-In termination

- Railway applications / vehicle construction

Suitable tools

EPIC® H-BE 16 Screw termination

- Kraftform® adjustable torque screwdriver/ Kraftform Kompakt® Set refer to page 1060

Technical data

	Classification ETIM 5/6 EPIC® H-BE 16 Screw termination ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors EPIC® H-BE 16 Cage clamp ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors EPIC® H-BE 16 Push-In termination ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors		Number of contacts 16 + PE
	Rated voltage (V) IEC: 500 VUL: 600 VCSA: 600 V Rated impulse voltage 6 kV		Termination methods EPIC® H-BE 16 Screw termination Screw termination: 0.5 - 2.5 mm ² EPIC® H-BE 16 Crimp termination Crimp termination: 0.5 - 4.0 mm ² EPIC® H-BE 16 Cage clamp Cage clamp termination: 0.5 - 2.5 mm ² EPIC® H-BE 16 Push-In termination Push-In termination: 0.14 - 2.5mm ² Stripping length (mm) EPIC® H-BE 16 Screw termination 8 EPIC® H-BE 16 Cage clamp 7 EPIC® H-BE 16 Push-In termination 10
	Rated current (A) EPIC® H-BE 16 Screw termination EPIC® H-BE 16 Crimp termination EPIC® H-BE 16 Cage clamp IEC: 16 A UL: 16 A CSA: 16 A IEC: 16 A UL: 16 A CSA: 16 AEPIE® H-BE 16 Push-In termination IEC: 16 A UL: 13 A CSA: 13 A		Material EPIC® H-BE 16 Screw termination PC, polycarbonate EPIC® H-BE 16 Push-In termination PA Polyamid
	Pollution degree 3		Cycle of mechanical operation EPIC® H-BE 16 Screw termination 500 EPIC® H-BE 16 Crimp termination 100 EPIC® H-BE 16 Cage clamp 100 EPIC® H-BE 16 Push-In termination 500
	Flammability EPIC® H-BE 16 Screw termination UL94 V-0 EPIC® H-BE 16 Push-In termination UL94 V-0		Certifications EPIC® H-BE 16 Screw termination Certified production control: VDE-REG. no.: B437 UL-tested: UL File Number: E75770 and E483837 EPIC® H-BE 16 Crimp termination Certified production control: VDE-REG. no.: B437 UL-tested: UL File Number: E75770 EPIC® H-BE 16 Cage clamp UL-tested: UL File Number: E75770 EPIC® H-BE 16 Push-In termination UL-tested: UL File Number: E75770
	Contact resistance EPIC® H-BE 16 Screw termination < 2 mOhm EPIC® H-BE 16 Crimp termination < 2 mOhm EPIC® H-BE 16 Cage clamp 1.5 - 4 mohm EPIC® H-BE 16 Push-In termination < 2 mOhm		Temperature range -40°C to +100°C, short-term up to +125°C
	Contacts EPIC® H-BE 16 Screw termination Copper alloy, hard silver-plated EPIC® H-BE 16 Crimp termination Copper alloy, hard silver/gold-plated EPIC® H-BE 16 Cage clamp Copper alloy, hard silver-plated EPIC® H-BE 16 Push-In termination Copper alloy, hard silver-plated		

Article number	Article description	Contact type	Wire protection	Number of operating contacts	Pieces / PU
H-BE 16 screw termination					
10194000	EPIC® H-BE 16 SS	male	yes	1 - 16	5
10195000	EPIC® H-BE 16 BS	female	yes	1 - 16	5
10194100	EPIC® H-BE 16 SS	male		1 - 16	5
10195100	EPIC® H-BE 16 BS	female		1 - 16	5
H-BE 16 crimp termination					
10184000	EPIC® H-BE 16 SCM	male		1 - 16	5
10185000	EPIC® H-BE 16 BCM	female		1 - 16	5
H-BE 16 cage clamp termination					
10400200	EPIC® H-BE 16 SF	male	yes	1 - 16	5
10401200	EPIC® H-BE 16 BF	female	yes	1 - 16	5
H-BE 16 Push-In termination					
44423204	EPIC® H-BE 16 SP	male	yes	1 - 16	5
44423205	EPIC® H-BE 16 BP	female	yes	1 - 16	5

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Similar products

- Further products with higher numbering in the internet. (H-BE 32, H-BE 48)



EPIC® H-BE 24 Screw termination

The proven standard inserts for easy assembly



Info

- Proven screw for easy installation
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Also as EPIC® H-BE 48 available

EPIC® H-BE 24 Crimp termination

The proven standard inserts for easy assembly



Info

- For wire connection up to 4 mm²
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Also as EPIC® H-BE 48 available

EPIC® H-BE 24 Cage clamp

The proven standard inserts for easy assembly



Info

- Multifunctional insert for versatile applications
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Also as EPIC® H-BE 48 available

EPIC® H-BE 24 Push-In termination

The proven standard inserts for easy assembly



Info

- Push-In version - fast and easy tool free connection technology
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Multifunctional insert for versatile applications

Suitable housing

- EPIC® ULTRA H-B 24
- EPIC® H-B 24 Housings
- EPIC® QUICK & EASY Mounting system
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

- EPIC® H-BE 24 Crimp termination
- EPIC® H-BE 2.5 machined contacts
- Page 590

Similar products

- Further products with higher numbering in the internet. (H-BE 32, H-BE 48)

Benefits

- Standard inserts with screw, crimp cage clamp and Push-In termination

- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents
- EPIC® H-BE 24 Screw termination

EPIC® H-BE 24 Crimp termination

- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4
- UL tested for application in control cabinets according UL 508 / UL 2237

EPIC® H-BE 24 Push-In termination

- Insertion of cores with end sleeves in Push-In inserts gives mounting safety and time saving without any tools
- Easy dismantling and insertion of wires by pushing the orange button
- Test socket for standard 2mm test tip for easy testing of Push-In inserts

- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Light & sound technology
- Plastics industry

EPIC® H-BE 24 Push-In termination

EPIC® H-BE 24 Screw termination

- Railway applications / vehicle construction

Suitable tools

EPIC® H-BE 24 Screw termination

- Kraftform® adjustable torque screwdriver / Kraftform Kompakt® Set refer to page 1060

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors		Termination methods EPIC® H-BE 24 Screw termination Screw termination: 0.5 - 2.5 mm² EPIC® H-BE 24 Crimp termination Crimp termination: 0.5 - 4.0 mm² EPIC® H-BE 24 Cage clamp Cage clamp termination: 0.5 - 2.5 mm² EPIC® H-BE 24 Push-In termination Push-In termination: 0.14 - 2.5mm²
	Rated voltage (V) IEC: 500 VUL: 600 VCSA: 600 V		Stripping length (mm) EPIC® H-BE 24 Screw termination 8 EPIC® H-BE 24 Cage clamp 7 EPIC® H-BE 24 Push-In termination 10
	Rated current (A) EPIC® H-BE 24 Screw termination EPIC® H-BE 24 Crimp termination EPIC® H-BE 24 Cage clamp IEC: 16 A UL: 16 A CSA: 16 A EPIC® H-BE 24 Push-In termination IEC: 16 A UL: 13 A CSA: 13 A		Material EPIC® H-BE 24 Screw termination PC, polycarbonate EPIC® H-BE 24 Push-In termination PA Polyamid
	Pollution degree 3		Cycle of mechanical operation EPIC® H-BE 24 Screw termination 500 EPIC® H-BE 24 Crimp termination 100 EPIC® H-BE 24 Cage clamp 100 EPIC® H-BE 24 Push-In termination 500
	Flammability EPIC® H-BE 24 Screw termination UL94 V-0 EPIC® H-BE 24 Crimp termination UL94 V-0 EPIC® H-BE 24 Cage clamp UL94 V-2 EPIC® H-BE 24 Push-In termination UL94 V-0		Certifications EPIC® H-BE 24 Screw termination Certified production control: VDE-REG. no.: B437 UL-tested: UL File Number: E75770 and E483837 EPIC® H-BE 24 Crimp termination Certified production control: VDE-REG. no.: B437 UL-tested: UL File Number: E75770 EPIC® H-BE 24 Cage clamp UL-tested: UL File Number: E75770 EPIC® H-BE 24 Push-In termination UL-tested: UL File Number: E75770
	Contact resistance EPIC® H-BE 24 Screw termination < 2 mOhm EPIC® H-BE 24 Crimp termination < 2 mOhm EPIC® H-BE 24 Cage clamp 1.5 - 4 mohm EPIC® H-BE 24 Push-In termination < 2 mOhm		Contacts EPIC® H-BE 24 Screw termination Copper alloy, hard silver-plated EPIC® H-BE 24 Crimp termination Copper alloy, hard silver/gold-plated EPIC® H-BE 24 Cage clamp Copper alloy, hard silver-plated EPIC® H-BE 24 Push-In termination Copper alloy, hard silver-plated
	Number of contacts 24 + PE		Temperature range -40°C to +100°C, short-term up to +125°C

Article number	Article description	Contact type	Wire protection	Number of operating contacts	Pieces / PU
H-BE 24 screw termination					
10196000	EPIC® H-BE 24 SS	male	yes	1 - 24	5
10197000	EPIC® H-BE 24 BS	female	yes	1 - 24	5
10196100	EPIC® H-BE 24 SS	male		1 - 24	5
10197100	EPIC® H-BE 24 BS	female		1 - 24	5
H-BE 24 crimp termination					
10186000	EPIC® H-BE 24 SCM	male		1 - 24	5
10187000	EPIC® H-BE 24 BCM	female		1 - 24	5
H-BE 24 cage clamp termination					
10400300	EPIC® H-BE 24 SF	male	yes	1 - 24	5
10401300	EPIC® H-BE 24 BF	female	yes	1 - 24	5
H-BE 24 Push-In termination					
44423206	EPIC® H-BE 24 SP	male	yes	1 - 24	5
44423207	EPIC® H-BE 24 BP	female	yes	1 - 24	5

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Similar products

- Further products with higher numbering in the internet. (H-BE 32, H-BE 48)



EPIC® H-EE 10

H-EE inserts with high contact density based on the proven H-BE series.



Info

- Inserts with high contact density for medium power

EPIC® H-EE 18

H-EE inserts with high contact density based on the proven H-BE series.



Info

- Inserts with high contact density for medium power

Suitable housing

EPIC® H-EE 10

- EPIC® ULTRA H-B 6
- EPIC® H-B 6 Housings
- EPIC® QUICK & EASY Mounting system
- EPIC® H-BE 2.5 machined contact

EPIC® H-EE 18

- EPIC® ULTRA H-B 10
- EPIC® H-B 10 Housings
- EPIC® QUICK & EASY Mounting system
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

- EPIC® H-BE 2.5 machined contacts
Page 590

Benefits

- The H-EE inserts with machined contacts for a high number of pins in very tight spaces.
- For assembly in H-B housing

Application range

- Mechanical engineering
- Plant engineering
- Appliance and apparatus construction

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000438
ETIM 5.0/6.0 Class-Description:
Contact insert for industrial connectors



Rated voltage (V)

IEC: 500 VUL: 600 VCSA: 600 V

Rated impulse voltage

6 kV



Rated current (A)

IEC: 16 A
UL: 16 A
CSA: 16 A



Pollution degree

3

Contact resistance

< 2 mOhm



Contacts

Copper alloy, hard silver/gold-plated



Number of contacts

EPIC® H-EE 10

10 + PE

EPIC® H-EE 18

18 + PE



Termination methods

Crimp termination: 0.5 - 4.0 mm²



Cycle of mechanical operation

100



VDE-tested

UL-tested:

UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Article designation	Number of operating contacts	Pieces / PU
H-EE 10 crimp termination					
10180400	H-EE 10 SC	male	machined	1 - 10	10
10181400	H-EE 10 BC	female	machined	1 - 10	10
H-EE 18 crimp termination					
10182400	H-EE 18 SC	male	machined	1 - 18	10
10183400	H-EE 18 BC	female	machined	1 - 18	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® H-EE 32

H-EE inserts with high contact density based on the proven H-BE series.



EPIC® H-EE 46

H-EE inserts with high contact density based on the proven H-BE series.



Info

- Inserts with high contact density for medium power
- Also as EPIC® H-EE 64 available



Info

- Inserts with high contact density for medium power
- Also as EPIC® H-EE 92 available

Suitable housing

EPIC® H-EE 32

- EPIC® ULTRA H-B 16
- EPIC® H-B 16 Housings
- EPIC® QUICK & EASY Mounting system
- EPIC® H-BE 2.5 machined contact

EPIC® H-EE 46

- EPIC® ULTRA H-B 24
- EPIC® H-B 24 Housings
- EPIC® QUICK & EASY Mounting system
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

- EPIC® H-BE 2.5 machined contacts
Page 590

Similar products

- Further products with higher numbering in the internet. (H-EE 64, H-EE 92)

Benefits

- The H-EE inserts with machined contacts for a high number of pins in very tight spaces.
- For assembly in H-B housing

Application range

- Mechanical engineering
- Plant engineering
- Appliance and apparatus construction

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000438
ETIM 5.0/6.0 Class-Description:
Contact insert for industrial connectors



Rated voltage (V)

IEC: 500 VUL: 600 VCSA: 600 V



Rated impulse voltage

6 kV



Rated current (A)

IEC: 16 A
UL: 16 A
CSA: 16 A



Pollution degree

3

Contact resistance

< 2 mOhm



Contacts

Copper alloy, hard silver /gold-plated



Number of contacts

EPIC® H-EE 32

32 + PE

EPIC® H-EE 46

46 + PE



Termination methods

Crimp termination: 0.5 - 4.0 mm²



Cycle of mechanical operation

100



VDE-tested

UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Article designation	Number of operating contacts	Pieces / PU
H-EE 32 crimp termination					
10184400	H-EE 32 SC	male	machined	1 - 32	5
10185400	H-EE 32 BC	female	machined	1 - 32	5
H-EE 46 crimp termination					
10186400	H-EE 46 SC	male	machined	1 - 46	5
10187400	H-EE 46 BC	female	machined	1 - 46	5

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Similar products

- Further products with higher numbering in the internet. (H-EE 64, H-EE 92)



EPIC® H-BS 6

Inserts for high currents.



Info

- Standard insert for currents up to 35A
- Railway applications

EPIC® H-BS 12

Inserts for high currents.



Info

- Standard insert for currents up to 35A
- Railway applications

Suitable housing

EPIC® H-BS 6

- EPIC® ULTRA H-B 16
- EPIC® H-B 16 Housings
- EPIC® QUICK & EASY Mounting system

EPIC® H-BS 12

- EPIC® H-B 32 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Benefits

EPIC® H-BS 6

- High rating for currents up to 35 A
- Screw termination up to a conductor cross section of 6 mm²
- Railway applications
 - Fire protection on railway vehicles: Test according to EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

EPIC® H-BS 12

- High rating for currents up to 35 A
- Screw termination up to a conductor cross section of 6 mm²
- Two H-BS 6 inserts with different contact-numbering for one housing.

Application range

EPIC® H-BS 6

- Railway applications / vehicle construction
- Plant engineering
- Mechanical engineering
- Drive systems

EPIC® H-BS 12

- Plant engineering
- Mechanical engineering
- Drive systems

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000438
ETIM 5.0/6.0 Class-Description:
Contact insert for industrial connectors



Rated voltage (V)

IEC: 500 VUL: 600 VCSA: 600 V
Conductor - conductor: 690 V

Rated impulse voltage

6 kV



Rated current (A)

IEC: 35 A
UL: 35 A
CSA: 35 A



Pollution degree

3

Contact resistance

< 2 mOhm



Contacts

Copper alloy, hard silver-plated



Number of contacts

EPIC® H-BS 6

6 + PE

EPIC® H-BS 12

12 + PE



Termination methods

Screw termination: 0.5 - 6 mm²

Stripping length (mm)

8



Cycle of mechanical operation

100



VDE-tested

Certified production control:

VDE-REG. no.: B437

UL-tested:

UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Suitable tools

- Kraftform® adjustable torque screwdriver/
Kraftform Kompakt® Set refer to
page 1060

Article number	Article description	Contact type	Wire protection	Number of operating contacts	Pieces / PU
H-BS 6 screw termination					
10170000	H-BS 6 SS	male	yes	1 - 6	5
10171000	H-BS 6 BS	female	yes	1 - 6	5
H-BS 12 screw termination					
10170600	H-BS 6 SS 7-12	male	yes	7 - 12	5
10171600	H-BS 6 BS 7-12	female	yes	7 - 12	5

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® H-BVE 3

These high-voltage inserts are additionally equipped with 2 switching contacts



EPIC® H-BVE 6

These high-voltage inserts are additionally equipped with 2 switching contacts



EPIC® H-BVE 10

These high-voltage inserts are additionally equipped with 2 switching contacts



Info

- Multipole insert with lagging switch contacts
- Switching operations possible for disconnecting under load



Info

- Multipole insert with lagging switch contacts
- Switching operations possible for disconnecting under load



Info

- Multipole insert with lagging switch contacts
- Switching operations possible for disconnecting under load

Suitable housing

- EPIC® QUICK & EASY Mounting system

EPIC® H-BVE 3

- EPIC® ULTRA H-B 10
- EPIC® H-B 10 Housings

EPIC® H-BVE 6

- EPIC® ULTRA H-B 16
- EPIC® H-B 16 Housings

EPIC® H-BVE 10

- EPIC® ULTRA H-B 24
- EPIC® H-B 24 Housings

Benefits

- These high-voltage inserts are additionally equipped with 2 switching contacts
- With the relevant wiring, the lagging switch contacts interrupt the power supply before the working contacts are separated

Application range

- Plant engineering
- Mechanical engineering

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors		Number of contacts EPIC® H-BVE 3 3 + 2 + PE EPIC® H-BVE 6 6 + 2 + PE EPIC® H-BVE 10 10 + 2 + PE
	Rated voltage (V) IEC: 630 V UL: 600 V CSA: 600 V		Termination methods Screw termination: 0.5 - 2.5 mm ²
	Rated impulse voltage 6 kV		Stripping length (mm) 8
	Rated current (A) IEC: 16 A UL: 16 A CSA: 16 A		Cycle of mechanical operation 100
	Pollution degree 3		VDE-tested Certified production control: VDE-REG. no.: B437 UL-tested: UL File Number: E75770
	Contact resistance < 2 mOhm		Temperature range -40°C to +100°C, short-term up to +125°C
	Contacts Copper alloy, hard silver-plated		

Article number	Article description	Contact type	Wire protection	Number of operating contacts	Pieces / PU
H-BVE 3 screw termination					
10210010	H-BVE 3 SS	male	yes	3 + 2	10
10211010	H-BVE 3 BS	female	yes	3 + 2	10
10210110	H-BVE 3 SS	male		3 + 2	10
10211110	H-BVE 3 BS	female		3 + 2	10
H-BVE 6 screw termination					
10239010	H-BVE 6 SS	male	yes	6 + 2	5
10240010	H-BVE 6 BS	female	yes	6 + 2	5
10239110	H-BVE 6 SS	male		6 + 2	5
10240110	H-BVE 6 BS	female		6 + 2	5
H-BVE 10 screw termination					
10270010	H-BVE 10 SS	male	yes	10 + 2	5
10271010	H-BVE 10 BS	female	yes	10 + 2	5
10270110	H-BVE 10 SS	male		10 + 2	5
10271110	H-BVE 10 BS	female		10 + 2	5

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



Power H-S

Power inserts



Info

- Very high current transfer in a small space
- Axial screw termination for assembly without special tool

Suitable housing

- EPIC® ULTRA H-B 6
- EPIC® H-B 6 Housings

Benefits

- Fast and easy assembly
- Very high current transfer
- Lower space requirement
- Axial screw termination for assembly without special tool

Application range

- Mechanical engineering
- Plant engineering
- Renewable energy

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors
	Rated voltage (V) 1000
	Rated impulse voltage 8 kV
	Rated current (A) 65
	Pollution degree 3
	Contact resistance < 1 mOhm

	Number of contacts 4 + PE
	Termination methods Axial screw termination 2,5 mm² - 10 mm²
	Stripping length (mm) 8
	Material PC, polycarbonate
	Cycle of mechanical operation 500
	Temperature range -40 °C to +125 °C

Article number	Article description	Contact type	Number of operating contacts	Pieces / PU
H-S Axial screw connection				
10407910	H-S 4+2xPE SAS	male	4 + PE	10
10407900	H-S 4+2xPE BAS	female	4 + PE	10
Tool for axial connection				
44424028	TOOL HEX 2x100	For tightening the contacts		1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Info

- Combination insert Power

Info

- Combination insert Power and Control

Suitable housing

- EPIC® ULTRA H-B 16
- EPIC® H-B 16 Housings
- EPIC® QUICK & EASY Mounting system

Benefits

EPIC® Power K 4/0

- High power in one connector insert
- Best in combination with ÖLFLEX® SERVO

EPIC® Power K 4/2

- Power and control in one connector insert
- Best in combination with ÖLFLEX® SERVO

Application range

- Mechanical engineering
- Renewable energy
- Control engineering



EPIC® Power K 4/2 Combination insert Power and Control



Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors	Contact resistance < 5 mOhm
	Rated voltage (V) EPIC® Power K 4/0 830 V Power EPIC® Power K 4/2 830 V Power 400 V Control	Number of contacts EPIC® Power K 4/0 4 + PE EPIC® Power K 4/2 4 + 2 + PE
	Rated impulse voltage 8 kV	Termination methods Screw termination: 1.5 - 16.0 mm²
	Rated current (A) EPIC® Power K 4/0 80 A Power EPIC® Power K 4/2 80 A Power 16 A Control	Stripping length (mm) 16 6
	Pollution degree 3	Material PC, polycarbonate
	Flammability EPIC® Power K 4/0 UL94 V-0	Cycle of mechanical operation 500
		Certifications UL-tested: UL File Number: E75770
		Temperature range -40°C to +125°C

Article number	Article description	Contact type	Number of operating contacts	Pieces / PU
EPIC® 4/0 screw termination				
44424041	EPIC® K 4/0 SS	male	4 + PE	10
44424042	EPIC® K 4/0 BS	female	4 + PE	10
EPIC® K 4/2 screw termination				
44424043	EPIC® K 4/2 SS	male	4 + 2 + PE	10
44424044	EPIC® K 4/2 BS	female	4 + 2 + PE	10

PE connection with a 16mm² wire only with the recommended ring lug 44424029

The inserts must be used with the appropriate housings

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® TB-H-BE 16

For convenient, clear wiring in control cabinets.
Assembly in panel-mount base housings.



Info

- Plug connection for control cabinets
- Size with 6 and 10 contacts online

EPIC® TB-H-BE 24

For convenient, clear wiring in control cabinets.
Assembly in panel-mount base housings.



Info

- Plug connection for control cabinets
- Size with 6 and 10 contacts online

Suitable housing

EPIC® TB-H-BE 16

- EPIC® ULTRA H-B 16 AG QB Page 616
- EPIC® H-B 16 AG-L
- EPIC® H-B 16 AD-LB
- EPIC® H-B 16 AG
- EPIC® H-B 16 AD-BO
- EPIC® H-B 16 AG-ZR

EPIC® TB-H-BE 24

- EPIC® ULTRA H-B 24 AG QB Page 621
- EPIC® H-B 24 AG-LB
- EPIC® H-B 24 AD-LB
- EPIC® H-B 24 AG
- EPIC® H-B 24 AD-BO
- EPIC® H-B 24 AG-ZR

Benefits

- Standard H-BE inserts for use with switch cabinets
- Pluggable with H-BE male inserts in hoods
- Fastening on side = "left" means that when mounting the terminal adapter on the left wall of a control cabinet, the PE connection and pin "1" are on the "top" side

Application range

- Control cabinet manufacturing
- Plant engineering

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000438
ETIM 5.0/6.0 Class-Description:
Contact insert for industrial connectors



Rated voltage (V)

IEC: 500 VUL: 600 VCSA: 600 V

Rated impulse voltage

6 kV



Rated current (A)

IEC: 16 A
UL: 16 A
CSA: 16 A



Pollution degree

3



Contacts

Copper alloy, hard silver-plated



Number of contacts

EPIC® TB-H-BE 16

16 + PE

EPIC® TB-H-BE 24

24 + PE



Termination methods

Screw termination: 0.5 - 4.0 mm²

Stripping length (mm)

13



Cycle of mechanical operation

200



VDE-tested

UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Fastening on side	Number of operating contacts	Pieces / PU
16-pin terminal adapter					
70315100	TB-H-BE 16 BRE	female	right	1 - 16	10
70314100	TB-H-BE 16 BLI	female	left	1 - 16	10
24-pin terminal adapter					
70317100	TB-H-BE 24 BRE	female	right	1 - 24	10
70316100	TB-H-BE 24 BLI	female	left	1 - 24	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® MH 2

High flexibility by the use of any combination of inserts in one connector

Info

- Modular connector system, plugable with the market standard
- High power module 2pole for compact power transmission

Suitable housing

- EPIC MH 6 R Page 570
- EPIC MH 10 R Page 570
- EPIC MH 16 R Page 570
- EPIC MH 24 R Page 570
- EPIC® H-B housing use in high version

Suitable contacts:

- EPIC MH 8.0mm Contacts Page 596

Benefits

- High power module 2pole for compact power transmission
- Crimp connection for permanent vibration proof contact
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction



Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002641 ETIM 5.0/6.0 Class-Description: Modular connector (industrial connector)	Contact resistance < 5 mOhm
	Rated voltage (V) 1000 V	Number of contacts 2
	Rated impulse voltage 8 kV	Termination methods Crimp termination: 10 mm² ... 35 mm²
	Rated current (A) 100 A	Material Polyamide, glass fibre-reinforced
	Pollution degree 3	Cycle of mechanical operation 500
	Flammability UL94 V-0	Certifications UL-tested: UL File Number: E75770
		Temperature range -40°C +125°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
EPIC® MH 2					
44423212	EPIC® MHS 2 CM	male	2	2	10
44423213	EPIC® MHB 2 CM	female	2	2	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® MH 3

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector system, pluggable with the market standard
- Power module 3pole for compact power transmission

Suitable housing

- EPIC MH 6 R Page 570
- EPIC MH 10 R Page 570
- EPIC MH 16 R Page 570
- EPIC MH 24 R Page 570
- EPIC® H-B housing use in high version

Suitable contacts:

- EPIC MH 4.0mm Contacts Page 595

Benefits

- Power module 3pole for compact power transmission
- Crimp connection for permanent vibration proof contact
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data



Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC002641
ETIM 5.0/6.0 Class-Description:
Modular connector (industrial connector)



Rated voltage (V)
400 V (conductor - ground)
690 V (conductor - conductor)



Rated impulse voltage
8 kV



Rated current (A)
40



Pollution degree
3



Flammability
UL94 V-0

Contact resistance
< 5 mOhm



Number of contacts
3



Termination methods
Crimp termination: 1.5 mm² - 10 mm²



Material
Polyamide, glass fibre-reinforced



Cycle of mechanical operation
500



Certifications
UL-tested:
UL File Number: E75770



Temperature range
-40°C
+125°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
EPIC® MH 3					
44423214	EPIC® MHS 3 CM	male	3	1	10
44423215	EPIC® MHB 3 CM	female	3	1	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® MH 3+4

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- Modular connector system, mateable with the market standard
- Modul with 3 power contacts and 4 signal contacts



Suitable housing

- EPIC MH 6 R Page 570
- EPIC MH 10 R Page 570
- EPIC MH 16 R Page 570
- EPIC MH 24 R Page 570

Suitable contacts:

- EPIC MH 4.0mm Contacts Page 595
- EPIC® H-D 1.6 machined contacts Page 587

Benefits

- Hybridmodul for energy- and signal transmission in a minimum of space
- Crimp connection for permanent vibration proof contact
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data



Rated voltage (V)
830 V

Rated impulse voltage
8 kV



Rated current (A)
40
10



Pollution degree
3



Flammability
UL94 V-0



Number of contacts
3 + 4



Material
PA



Cycle of mechanical operation
500



Temperature range
-40 °C
+125 °C

Article number	Article description	Contact type	Conductor cross-section (mm²)	Slots	Pieces / PU
EPIC® MH 3+4					
44423293	EPIC® MHS 3+4 CM	male	0.14 - 6.00	1	10
44423294	EPIC® MHB 3+4 CM	female	0.14 - 6.00	1	10

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EPIC® Industrial connectors



Rectangular connectors • EPIC® MH modular system module



EPIC® MH 4

High flexibility by the use of any combination of inserts in one connector



i Info

- Modular connector system, pluggable with the market standard
- Power module 4 pole for compact power transmission

Suitable housing

- EPIC MH 6 R Page 570
- EPIC MH 10 R Page 570
- EPIC MH 16 R Page 570
- EPIC MH 24 R Page 570
- EPIC® H-B housing use in high version

Suitable contacts:

- EPIC MH 4.0mm Contacts Page 595

Benefits

- Power module 4 pole for compact power transmission
- Crimp connection for permanent vibration proof contact
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002641 ETIM 5.0/6.0 Class-Description: Modular connector (industrial connector)	Contact resistance < 5 mOhm
	Rated voltage (V) 830 V	Number of contacts 4
	Rated impulse voltage 8 kV	Termination methods Crimp termination: 1.5 mm² - 10 mm²
	Rated current (A) 40	Material Polyamide, glass fibre-reinforced
	Pollution degree 3	Cycle of mechanical operation 500
	Flammability UL94 V-0	Certifications UL-tested: UL File Number: E75770
		Temperature range -40°C +125°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
EPIC® MH 4					
44423216	EPIC® MHS 4 CM	male	4	1	10
44423217	EPIC® MHB 4 CM	female	4	1	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® MH 6

High flexibility by the use of any combination of inserts in one connector

Info

- Modular connector system, plugable with the market standard
- Module 6 pole for control signals



Suitable housing

- EPIC MH 6 R Page 570
- EPIC MH 10 R Page 570
- EPIC MH 16 R Page 570
- EPIC MH 24 R Page 570
- EPIC® H-B housing use in high version

Suitable contacts:

- EPIC® H-BE 2.5 machined contacts Page 590

Benefits

- Module 6 pole for control signals
- Crimp connection for permanent vibration proof contact
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002641

ETIM 5.0/6.0 Class-Description:

Modular connector (industrial connector)



Rated voltage (V)

500

Rated impulse voltage

6 kV



Rated current (A)

16 A



Pollution degree

3



Flammability

UL94 V-0

Contact resistance

< 5 mOhm



Number of contacts

6



Termination methods

Crimp termination



Material

Polyamide, glass fibre-reinforced



Cycle of mechanical operation

500



Certifications

UL-tested:

UL File Number: E75770



Temperature range

-40°C

+125°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
EPIC® MH 6					
44423218	EPIC® MHS 6 CM	male	6	1	10
44423219	EPIC® MHB 6 CM	female	6	1	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® MH 8

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector system, pluggable with the market standard
- Module 8 pole for control signals

Suitable housing

- EPIC MH 6 R Page 570
- EPIC MH 10 R Page 570
- EPIC MH 16 R Page 570
- EPIC MH 24 R Page 570
- EPIC® H-B housing use in high version

Suitable contacts:

- EPIC® H-BE 2.5 machined contacts Page 590

Benefits

- Module 8 pole for control signals
- Crimp connection for permanent vibration proof contact
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data

 **Classification ETIM 5/6**
ETIM 5.0/6.0 Class-ID: EC002641
ETIM 5.0/6.0 Class-Description:
Modular connector (industrial connector)

 **Rated voltage (V)**
400 V

Rated impulse voltage
6 kV

 **Rated current (A)**
16 A

 **Pollution degree**
3

 **Flammability**
UL94 V-0

Contact resistance
< 5 mOhm



Number of contacts
8



Termination methods
Crimp termination



Material
Polyamide, glass fibre-reinforced



Cycle of mechanical operation
500



Certifications
UL-tested:
UL File Number: E75770



Temperature range
-40°C
+125°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
EPIC® MH 8					
44423220	EPIC® MHS 8 CM	male	8	1	10
44423221	EPIC® MHB 8 CM	female	8	1	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® MH 12

High flexibility by the use of any combination of inserts in one connector

Info

- Modular connector system, plugable with the market standard
- Module 12 pole for control signals



Suitable housing

- EPIC MH 6 R Page 570
- EPIC MH 10 R Page 570
- EPIC MH 16 R Page 570
- EPIC MH 24 R Page 570
- EPIC® H-B housing use in high version

Suitable contacts:

- EPIC® H-D 1.6 machined contacts Page 587

Benefits

- Module 12 pole for control signals
- Crimp connection for permanent vibration proof contact
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002641 ETIM 5.0/6.0 Class-Description: Modular connector (industrial connector)	Contact resistance < 5 mOhm
	Rated voltage (V) 250 V	Number of contacts 12
	Rated impulse voltage 4 kV	Termination methods Crimp termination: 0.14 - 2.5 mm ²
	Rated current (A) 10 A	Material Polyamide, glass fibre-reinforced
	Pollution degree 3	Cycle of mechanical operation 500
	Flammability UL94 V-0	Certifications UL-tested: UL File Number: E75770
		Temperature range -40°C +125°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
EPIC® MH 12					
44423222	EPIC® MHS 12 CM	male	12	1	10
44423223	EPIC® MHB 12 CM	female	12	1	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® MH 17

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector system, pluggable with the market standard
- Universal module for 17 contacts in smallest space

Suitable housing

- EPIC MH 6 R Page 570
- EPIC MH 10 R Page 570
- EPIC MH 16 R Page 570
- EPIC MH 24 R Page 570
- EPIC® H-B housing use in high version

Suitable contacts:

- EPIC® H-D 1.6 machined contacts Page 587

Benefits

- Universal module for 17 contacts in smallest space
- Crimp connection for permanent vibration proof contact
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data

Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC002641
ETIM 5.0/6.0 Class-Description:
Modular connector (industrial connector)

Rated voltage (V)
160 V

Rated impulse voltage
2.5 kV

Rated current (A)
10 A

Pollution degree
3

Flammability
UL94 V-0

Contact resistance
< 5 mOhm



Number of contacts
17



Termination methods
Crimp termination: 0.14 - 2.5 mm²



Material
Polyamide, glass fibre-reinforced



Cycle of mechanical operation
500



Certifications
UL-tested:
UL File Number: E75770



Temperature range
-40°C
+125°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
EPIC® MH 17					
44423224	EPIC® MHS 17 CM	male	17	1	10
44423225	EPIC® MHB 17 CM	female	17	1	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® MH 20

High flexibility by the use of any combination of inserts in one connector

Info

- Modular connector system, plugable with the market standard
- Double module 20 pole for control signals



Suitable housing

- EPIC MH 6 R Page 570
- EPIC MH 10 R Page 570
- EPIC MH 16 R Page 570
- EPIC MH 24 R Page 570
- EPIC® H-B housing use in high version

Suitable contacts:

- EPIC® H-BE 2.5 machined contacts Page 590

Benefits

- Double module 20 pole for control signals
- Crimp connection for permanent vibration proof contact
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002641
ETIM 5.0/6.0 Class-Description:
Modular connector (industrial connector)



Rated voltage (V)
500

Rated impulse voltage
6 kV



Rated current (A)
16 A



Pollution degree
3



Flammability
UL94 V-0

Contact resistance
< 5 mOhm



Number of contacts
20



Termination methods
Crimp termination



Material
Polyamide, glass fibre-reinforced



Cycle of mechanical operation
500



Certifications
UL-tested:
UL File Number: E75770



Temperature range
-40°C
+125°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
EPIC® MH 20					
44423226	EPIC® MHS 20 CM	male	20	2	10
44423227	EPIC® MHB 20 CM	female	20	2	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® MH 36

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector system, pluggable with the market standard
- Double module for 36 contacts in smallest space

Suitable housing

- EPIC MH 6 R Page 570
- EPIC MH 10 R Page 570
- EPIC MH 16 R Page 570
- EPIC MH 24 R Page 570
- EPIC® H-B housing use in high version

Suitable contacts:

- EPIC® H-D 1.6 machined contacts Page 587

Benefits

- Double module for 36 contacts in smallest space
- Crimp connection for permanent vibration proof contact
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data

Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC002641
ETIM 5.0/6.0 Class-Description:
Modular connector (industrial connector)

Rated voltage (V)
250 V

Rated impulse voltage
4 kV

Rated current (A)
10 A

Pollution degree
3

Flammability
UL94 V-0

Contact resistance
< 5 mOhm



Number of contacts
36



Termination methods
Crimp termination: 0.14 - 2.5 mm²



Material
Polyamide, glass fibre-reinforced



Cycle of mechanical operation
500



Certifications
UL-tested:
UL File Number: E75770



Temperature range
-40°C
+125°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
EPIC® MH 36					
44423266	EPIC® MHS 36 CM	male	36	2	10
44423267	EPIC® MHB 36 CM	female	36	2	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® MH Gigabit Modul

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- Modular connector system, mateable with the market standard
- Gigabit module for Ethernet data rates up to 10 GBit/s, Cat. 7

Suitable housing

- EPIC MH 6 R Page 570
- EPIC MH 10 R Page 570
- EPIC MH 16 R Page 570
- EPIC MH 24 R Page 570

Suitable contacts:

- EPIC® MH 1.0mm contacts machined Page 585

Benefits

- Gigabitmodule, all around shielded, 4 pair of wires, for Ethernet data rates up to 10 GBit/s, Cat. 7
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

Application range

- Industrial machinery and plant engineering
- Industry 4.0 applications
- Robotics industry
- Renewable energy
- Railway applications / vehicle construction



Technical data



Rated voltage (V)
50

Rated impulse voltage
0,8 kV



Rated current (A)
5



Flammability
UL94 V-0



Number of contacts
8



Material
PA Polyamid
Zinc die-cast



Cycle of mechanical operation
500



Temperature range
-40°C
+125°C

Article number	Article description	Contact type	Connection cross section (mm²)	Slots	Pieces / PU
EPIC® MH Gigabit Kit					
44423291	EPIC® MHS Gigabit Kit small	male	5.00 - 7.00	1	1
44423292	EPIC® MHB Gigabit Kit small	female	5.00 - 7.00	1	1
44423326	EPIC® MHS Gigabit Kit medium	male	7.00 - 10.00	1	1
44423327	EPIC® MHB Gigabit Kit medium	female	7.00 - 10.00	1	1
EPIC® MH Gigabit Insulating body					
44423276	EPIC® MHS Gigabit	male		1	10
44423277	EPIC® MHB Gigabit	female		1	10
EPIC® MH Gigabit contact body metal					
44423278	EPIC® MHS Gigabit PIN	male			10
44423279	EPIC® MHS Gigabit PIN + GND	male			10
44423280	EPIC® MHB Gigabit PIN	female			10
44423281	EPIC® MHB Gigabit PIN + GND	female			10
EPIC® MH Gigabit cable clamp					
44423282	EPIC® MH Clamp 5 - 7 mm		5.00 - 7.00		10
44423283	EPIC® MH Clamp 7 - 10 mm		7.00 - 10.00		10
44423284	EPIC® MH Clamp 10 - 12 mm		10.00 - 12.00		10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® MH BUS

High flexibility by the use of any combination of inserts in one connector



i Info

- Modular connector system, plugable with the market standard
- Shielded modul for data and signal transmission.
Usable for Ethernet CAT.5e

EPIC® MH Bus PIN 1x(4) contact holder

High flexibility by the use of any combination of inserts in one connector



i Info

- Modular connector system, plugable with the market standard
- Shielded modul for data and signal transmission.
Usable for Ethernet CAT.5e

Suitable housing

EPIC® MH BUS

- EPIC MH 6 R Page 570
- EPIC MH 10 R Page 570
- EPIC MH 16 R Page 570
- EPIC MH 24 R Page 570
- EPIC® H-B housing use in high version

Suitable contacts:

EPIC® MH BUS

- EPIC® H-D 1.6 machined contacts Page 587
- EPIC MH Bus PIN 1x(4) Page 566
- EPIC MH Coax 1.6mm Page 567
- EPIC MH Coax 2.5mm Page 567
- EPIC MH Potential set Page 568

EPIC® MH Bus PIN 1x(4) contact holder

- EPIC® H-D 1.6 machined contacts Page 587

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002641 ETIM 5.0/6.0 Class-Description: Modular connector (industrial connector)		EPIC® MH Bus PIN 1x(4) contact holder 4
	Rated voltage (V) 50		Termination methods Crimp termination: 0.14 - 2.5 mm²
	Rated impulse voltage 0,8 kV		Material PA
	Rated current (A) 10		Cycle of mechanical operation 500
	Pollution degree 3		Certifications UL-tested: UL File Number: E75770
	Flammability UL94 V-0		Temperature range -40 °C +125 °C

Benefits

- Shielded modul for data and signal transmission.
Usable for Ethernet CAT.5e
- EPIC® MH system is mateable with the market standard
- Crimp connection for permanent vibration proof contact
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
- Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
EPIC® MH BUS					
44423228	EPIC® MHS Bus	male	2	2	10
44423230	EPIC® MHB Bus	female	2	2	10
EPIC® MH BUS PIN 1x(4) contact holder					
44423229	EPIC® MHS Bus PIN 1x(4) CM	male	4 + shield		10
44423231	EPIC® MHB Bus PIN 1x(4) CM	female	4 + shield		10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® MH Coax 1.6mm

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



EPIC® MH Coax 2.5mm

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- Modular connector system, mateable with the market standard
- Shielded modul for data and signal transmission.



Info

- Modular connector system, mateable with the market standard
- Shielded modul for data and signal transmission.

Suitable contacts:

EPIC® MH Coax 1.6mm

- EPIC® H-D 1.6 machined contacts
Page 587

EPIC® MH Coax 2.5mm

- EPIC® H-BE 2.5 machined contacts
Page 590

Benefits

- Shielded modul for data and signal transmission.
- Modular connector system, plugable with the market standard
- Crimp connection for permanent vibration proof contact
- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4
- The mix of different functions in one plug guarantees high flexibility

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002641 ETIM 5.0/6.0 Class-Description: Modular connector (industrial connector)
	Rated voltage (V) 50
	Rated impulse voltage 0,8 kV
	Rated current (A) 16
	Pollution degree 3

	Flammability UL94 V-0
	Number of contacts 1
	Cycle of mechanical operation 500
	Certifications UL-tested: UL File Number: E75770
	Temperature range -40°C to +125°C

Article number	Article description	Contact type	Number of operating contacts	Pieces / PU
EPIC® MH Coax 1.6mm				
44423260	EPIC® MHS Coax D=1.6mm	male	1	10
44423261	EPIC® MHB Coax D=1.6mm	female	1	10
EPIC® MH Coax 2.5mm				
44423262	EPIC® MHS Coax D=2.5mm	male	1	10
44423263	EPIC® MHB Coax D=2.5mm	female	1	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® MH Potential set

High flexibility by the use of any combination of inserts in one connector



Benefits

- Potential spring for EPIC® MH multi frame
- For use in EPIC® MH BUS modules
- Two springs can be used for an EPIC® MH BUS module

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction



Info

- Potential spring for EPIC® MH multi frame

Technical data



Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC000796
ETIM 5.0/6.0 Class-Description:
Contact for industrial connectors

Article number	Article description	Contact type	Pieces / PU
EPIC® MH Potential set			
44423265	EPIC® MHS Potential Set	male	20
44423275	EPIC® MHB Potential Set	female	20

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® MH D-SUB

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- Modular connector system, mateable with the market standard
- D-SUB insert with 9 or 15 contacts

Suitable housing

- EPIC MH 6 R Page 570
- EPIC MH 10 R Page 570
- EPIC MH 16 R Page 570
- EPIC MH 24 R Page 570

Suitable contacts:

- For D-SUB 9 pin: use contacts EPIC® MH 1.0mm stamped
- EPIC® MH 1.0mm contacts stamped Page 585
- For D-SUB 15 pin: use contacts EPIC® MH 0.8mm stamped
- EPIC® MH 0.8mm contacts stamped Page 584

Benefits

- D-Sub module for signal and data transmission with shielding
- Order contacts separately

Technical data

	Rated voltage (V) 500		Number of contacts 9 15
	Rated impulse voltage 0,8 kV		Material PA
	Rated current (A) 5		Cycle of mechanical operation 500
	Pollution degree 3		Temperature range -40 °C +125 °C
	Flammability UL94 V-0		

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- For renewable energy plants e.g. wind power
- Railway applications / vehicle construction

Article number	Article description	Contact type	Slots	Pieces / PU
EPIC® MH D-SUB 9 pins				
44423295	EPIC® MHS D-SUB 9 CM	male	1	10
44423296	EPIC® MHB D-SUB 9 CM	female	1	10
EPIC® MH D-SUB 15 pins				
44423297	EPIC® MHS D-SUB 15 CM	male	1	10
44423298	EPIC® MHB D-SUB 15 CM	female	1	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® MH 0 blind modul

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector system, plugable with the market standard
- Dummy module as a placeholder for future expansion

Suitable housing

- EPIC MH 6 R Page 570
- EPIC MH 10 R Page 570
- EPIC MH 16 R Page 570
- EPIC MH 24 R Page 570
- EPIC® H-B housing use in high version

Benefits

- Dummy module as a placeholder for future expansion
- EPIC® MH system is mateable with the market standard
- “Z” version with centering function for plug in technique
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002641
ETIM 5.0/6.0 Class-Description:
Modular connector (industrial connector)



Number of contacts
0



Material

Polyamide, glass fibre-reinforced



Temperature range

-40 °C
+125 °C



Article number	Article description	Slots	Pieces / PU
EPIC® MH 0 blind modul			
44423232	EPIC® MH 0	1	10
EPIC® MH 0 blind modul with centering			
44423233	EPIC® MH 0 Z	1	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Rectangular connectors • EPIC® MH Modular System frame



EPIC® MH 6 multi frame

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector system, pluggable with the market standard
- Frame system for modules

EPIC® MH 10 multi frame

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector system, pluggable with the market standard
- Frame system for modules

EPIC® MH 16 multi frame

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector system, pluggable with the market standard
- Frame system for modules

EPIC® MH 24 multi frame

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector system, pluggable with the market standard
- Frame system for modules

EPIC® MH Clip

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector system, pluggable with the market standard
- Adapter clip for modules of competition

Suitable housing

EPIC® MH 6 multi frame

- EPIC® ULTRA H-B 6
- EPIC® H-B 6 Housings]

EPIC® MH 10 multi frame

- EPIC® ULTRA H-B 10
- EPIC® H-B 10 Housings]

EPIC® MH 16 multi frame

- EPIC® ULTRA H-B 16
- EPIC® H-B 16 Housings]

EPIC® MH 24 multi frame

- EPIC® ULTRA H-B 24
- EPIC® H-B 24 Housings]

Benefits

EPIC® MH 6 multi frame

EPIC® MH 10 multi frame

EPIC® MH 16 multi frame

EPIC® MH 24 multi frame

- Multi frame for own and competition modules
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4
- PE connection from 1mm² up to 6mm² with end sleeve, 10mm² with adapter

EPIC® MH Clip

- EPIC® MH Clip for mounting of competition modules in EPIC® MH frame
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002641
ETIM 5.0/6.0 Class-Description:
Modular connector (industrial connector)



Material

EPIC® MH 6 multi frame
Zinc die-cast
EPIC® MH 10 multi frame
Zinc die-cast
EPIC® MH 16 multi frame
Zinc die-cast
EPIC® MH 24 multi frame
Zinc die-cast



Cycle of mechanical operation

EPIC® MH 6 multi frame
500
EPIC® MH 10 multi frame
500
EPIC® MH 16 multi frame
500
EPIC® MH 24 multi frame
500



Temperature range

-40°C
+125°C

Article number	Article description	Contact type	Slots	Pieces / PU
EPIC® MH 6 multi frame				
44423234	EPIC® MHS 6 R (A,B)	male	2	10
44423235	EPIC® MHB 6 R (a, b)	female	2	10
EPIC® MH 10 multi frame				
44423236	EPIC® MHS 10 R (A, B, C)	male	3	10
44423237	EPIC® MHB 10 R (a, b, c)	female	3	10
EPIC® MH 16 multi frame				
44423238	EPIC® MHS 16 R (A, B, C, D)	male	4	10
44423239	EPIC® MHB 16 R (a, b, c, d)	female	4	10
EPIC® MH 24 multi frame				
44423240	EPIC® MHS 24 R (A, B, C, D, E, F)	male	6	10
44423241	EPIC® MHB 24 R (a, b, c, d, e, f)	female	6	10
EPIC® MH Clip				
44423264	EPIC® MH Clip			20

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Accessories

EPIC® MH 6 multi frame

- EPIC MH Clip refer to page 570

EPIC® MH 10 multi frame

- EPIC MH Clip refer to page 570

EPIC® MH 16 multi frame

- EPIC MH Clip refer to page 570

EPIC® MH 24 multi frame

- EPIC MH Clip refer to page 570



EPIC® MC module: HC1+PE

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- High power module with screw connection and reinforced protection earth
- Lever for rapid removal of the module

EPIC® MC module: HC2

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- High power module 2pole with screw connection
- Lever for rapid removal of the module

Suitable housing

- EPIC® MCR 6 Page 583
- EPIC® MCR 10 Page 583
- EPIC® MCR 16 Page 583
- EPIC® MCR 24 Page 583
- Higher housing
- The suitable connector housings depend on the modular frame used

Benefits

EPIC® MC module: HC1+PE

- The mix of different functions in one plug guarantees high flexibility
- Screw connection up to 25mm² for easy assembly without special tools
- Separate protective conductor for increased safety

EPIC® MC module: HC2

- The mix of different functions in one plug guarantees high flexibility
- Screw connection up to 25mm² for easy assembly without special tools

Technical data

Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC002641
ETIM 5.0/6.0 Class-Description:
Modular connector (industrial connector)

Rated voltage (V)
IEC: 1000 V
UL: 600 V
CSA: 600 V

Rated current (A)
82 A

Pollution degree
3

Contact resistance
< 2 mOhm

Contacts
Copper alloy, hard silver-plated



Number of contacts
EPIC® MC module: HC1+PE
1 + PE
EPIC® MC module: HC2
2



Termination methods
Screw termination: 10 - 25 mm²
Stripping length (mm)
15



Cycle of mechanical operation
100



VDE-tested
Certified production control:
VDE-REG. no. A870
UL-tested:
UL File Number: E75770



Temperature range
-40°C to +100°C,
short-term up to +125°C

Application range

- Plant engineering
- Printing machines
- Control engineering

Suitable tools

EPIC® MC module: HC1+PE

- Crimping tool for single contacts
- When connecting 25 mm² cables, please use the special crimping die (11147500) for the cable-end sleeves

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
Module: high current 1-pin + PE					
10344600	MCS-HC 1+PE	male	1 + PE	2	5
10345600	MCB-HC 1+PE	female	1 + PE	2	5
Module: high current 2-pin					
10344100	MCS-HC 2	male	2	2	5
10345100	MCB-HC 2	female	2	2	5

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



Power module: HC2

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- High current with only one module slot



Power module: HHC2

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- High current for sufficient power reserves
- Lever for rapid removal of the module



Power module: HHC1

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- Extremely high current for sufficient power reserves
- Lever for rapid removal of the module



Suitable housing

- EPIC® MCR 6 Page 583
- EPIC® MCR 10 Page 583
- EPIC® MCR 16 Page 583
- EPIC® MCR 24 Page 583
- EPIC® H-B housing use in high version

Suitable contacts:

Power module: HC2

- EPIC® Modular 3.6 machined contacts 16 mm² Page 595
- Use only EPIC® MC 3.6 contacts 16mm²

Power module: HHC2

- MC 6.0 machined contacts Page 596

Power module: HHC1

- MC 10.0 machined contacts Page 597

Benefits

- High current transfer
- The mix of different functions in one plug guarantees high flexibility
- Crimp connection for permanent vibration proof contact

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002641 ETIM 5.0/6.0 Class-Description: Modular connector (industrial connector)
	Rated voltage (V) 1000
	Rated impulse voltage 8 kV
	Rated current (A) Power module: HC2 65 Power module: HHC2 150 Power module: HHC1 220
	Pollution degree 3

	Number of contacts Power module: HC2 2 Power module: HHC2 2 Power module: HHC1 1
	Termination methods Power module: HC2 Crimp termination: 16.0 mm² Power module: HHC2 Crimp termination: 16 mm² ... 35 mm² Power module: HHC1 Crimp termination: 50 mm² ... 95mm²
	Material PA6
	Cycle of mechanical operation 500
	Temperature range -40°C to +125°C

Application range

- Industrial machinery and plant engineering
- Robotics industry
- Control engineering
- Renewable energy

Article number	Article description	Contact type	Slots	Pieces / PU
Power module: HC2				
44424012	EPIC® MCS HC2	male	1	10
44424013	EPIC® MCB HC2	female	1	10
Power module: HHC2				
44424017	MCS HHC2	male	2	10
44424018	MCB HHC2	female	2	10
Power module: HHC1				
44424030	MCS HHC1	male	2	10
44424031	MCB HHC1	female	2	10

PE connection with a 16mm² wire only with the recommended ring lug 44424029 / The inserts must be used with the appropriate housings
Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® MC module: HC3

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- Very high current transfer in a small space

Suitable housing

- EPIC® MCR 6 Page 583
- EPIC® MCR 10 Page 583
- EPIC® MCR 16 Page 583
- EPIC® MCR 24 Page 583
- The suitable connector housings depend on the modular frame used

Suitable contacts:

- EPIC® MC 3.6 machined contacts Page 594

Benefits

- The mix of different functions in one plug guarantees high flexibility
- Assembly of individual connectors, suitable for different applications

Application range

- Plant engineering
- Printing machines
- Control engineering

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002641 ETIM 5.0/6.0 Class-Description: Modular connector (industrial connector)		Contacts Copper alloy, hard silver-plated
	Rated voltage (V) 1000 V		Number of contacts 3
	Rated current (A) 50 A		Termination methods Crimp termination: 1.5 mm² - 10 mm²
	Pollution degree 3		Cycle of mechanical operation 100
	Contact resistance < 2 mOhm		VDE-tested UL-tested: UL File Number: E75770
			Temperature range -40°C to +100°C, short-term up to +125°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
Module: high voltage 3-pin					
10399800	MCS 3 CM-HV	male	3	1	10
10399900	MCB 3 CM-HV	female	3	1	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Accessories

- EPIC® MC Module removal tool refer to page 582

EPIC® MC module: HC4+PE

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



EPIC® MC Module: 3pole

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



EPIC® MC Module: HE 4pole

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- Suitable for processing with contacts on reel
- For automated production with crimping machine



Info

- Very high current transfer in a small space



Info

- Lever for rapid removal of the module

Suitable housing

- EPIC® MCR frame583
- The suitable connector housings depend on the modular frame used

Suitable contacts:

EPIC® MC module: HC4+PE

- EPIC® MC 2.5 stamped contacts Page 592
- EPIC® MC 2.5 stamped contacts-on-reel Page 593

EPIC® MC Module: 3pole

- EPIC® MC 3.6 machined contacts Page 594

EPIC® MC Module: HE 4pole

- EPIC® H-BE 2.5 machined contacts Page 590

Benefits

- The mix of different functions in one plug guarantees high flexibility
- Assembly of individual connectors, suitable for different applications

Application range

- Plant engineering
- Printing machines
- Control engineering

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002641
ETIM 5.0/6.0 Class-Description:
Modular connector (industrial connector)



Rated voltage (V)

EPIC® MC module: HC4+PE
1000 V
EPIC® MC Module: 3pole
630 V
EPIC® MC Module: HE 4pole
630 V



Rated current (A)

EPIC® MC module: HC4+PE
16 A
EPIC® MC Module: 3pole
40 A
EPIC® MC Module: HE 4pole
25 A



Pollution degree

3

Contact resistance

< 2 mOhm



Contacts

Copper alloy, hard silver-plated



Number of contacts

EPIC® MC module: HC4+PE
4 + PE
EPIC® MC Module: 3pole
3
EPIC® MC Module: HE 4pole
4



Termination methods

EPIC® MC module: HC4+PE
Crimp termination: 0.5 - 2.5 mm²
EPIC® MC Module: 3pole
Crimp termination: 1.5 mm² - 10 mm²
EPIC® MC Module: HE 4pole
Crimp termination: 0.5 - 4.0 mm²



Cycle of mechanical operation

100



VDE-tested

EPIC® MC module: HC4+PE
UL-tested:
UL File Number: E75770
EPIC® MC Module: 3pole
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
Module: high voltage 4-pin + PE					
10383200	MCS 5 CG	male	4 + PE	1	10
10383300	MCB 5 CG	female	4 + PE	1	10
Module: 3-pin					
10382000	MCS 3 CM	male	3	1	10
10382100	MCB 3 CM	female	3	1	10
Module: 4-pin HE					
10399000	MCS 4 CM	male	4	1	10
10399100	MCB 4 CM	female	4	1	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® MC Module: Cage clamp 4pole

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- Fast connection by cage spring

EPIC® MC Module: 5pole

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



EPIC® MC Module: 10pole

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- Ideal for data transmission

Suitable housing

- EPIC® MCR frame
- The suitable connector housings depend on the modular frame used

Suitable contacts:

EPIC® MC Module: 5pole

- EPIC® MC 2.5 machined contacts
Page 591

EPIC® MC Module: 10pole

- EPIC® H-D 1.6 machined contacts
Page 587

Benefits

- The mix of different functions in one plug guarantees high flexibility
- Assembly of individual connectors, suitable for different applications

Application range

- Plant engineering
- Printing machines
- Control engineering

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002641
ETIM 5.0/6.0 Class-Description:
Modular connector (industrial connector)



Rated voltage (V)
400 V



Rated current (A)
EPIC® MC Module: Cage clamp 4pole
14 A
EPIC® MC Module: 5pole
20 A
EPIC® MC Module: 10pole
max. 10 A



Pollution degree
3

Contact resistance
EPIC® MC Module: Cage clamp 4pole
1.5 - 4 mohm
EPIC® MC Module: 5pole
EPIC® MC Module: 10pole
< 2 mOhm



Contacts
EPIC® MC Module: Cage clamp 4pole
EPIC® MC Module: 5pole
Copper alloy, hard silver-plated
EPIC® MC Module: 10pole
Copper alloy, hard silver/gold-plated



Number of contacts
EPIC® MC Module: Cage clamp 4pole
4
EPIC® MC Module: 5pole
5
EPIC® MC Module: 10pole
10



Termination methods
EPIC® MC Module: Cage clamp 4pole
Cage clamp termination: 0.5 - 2.5 mm²
EPIC® MC Module: 5pole
Crimp termination: 0.5 - 4.0 mm²
EPIC® MC Module: 10pole
Crimp termination: 0.14 - 2.5 mm²

Stripping length (mm)
EPIC® MC Module: Cage clamp 4pole
10



Cycle of mechanical operation
100



EPIC® MC Module: 5pole
EPIC® MC Module: 10pole
UL-tested:
UL File Number: E75770



Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
Module: 4-pin cage clamp					
10399600	MCS 4 F	male	4	1	10
10399700	MCB 4 F	female	4	1	10
Module: 5-pin					
10382200	MCS 5 CM	male	5	1	10
10382300	MCB 5 CM	female	5	1	10
Module: 10-pin					
10382400	MCS 10 CM	male	10	1	10
10382500	MCB 10 CM	female	10	1	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® MC Module: 10pole stamped

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.

i Info

- Suitable for processing with contacts on reel
- For automated production with crimping machine

**EPIC® MC Module: 20pole**

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.

i Info

- Suitable for processing with contacts on reel
- For automated production with crimping machine

**EPIC® MC Dummy Module**

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.

i Info

- Dummy module as a placeholder for future expansion

**Suitable housing**

- EPIC® MCR frame
- The suitable connector housings depend on the modular frame used

Suitable contacts:**EPIC® MC Module: 10pole stamped**

- EPIC® H-D 1.6 stamped contacts Page 588
- EPIC® H-D 1.6 stamped contacts-on-reel Page 589

EPIC® MC Module: 20pole

- EPIC® M-D 1.0 D-Sub stamped contacts-on-reel Page 586

Benefits

- The mix of different functions in one plug guarantees high flexibility
- Assembly of individual connectors, suitable for different applications

Application range

- Plant engineering
- Printing machines
- Control engineering

Technical data**Classification ETIM 5/6**

ETIM 5.0/6.0 Class-ID: EC002641

ETIM 5.0/6.0 Class-Description:

Modular connector (industrial connector)

**Rated voltage (V)**

EPIC® MC Module: 10pole stamped
250 V

EPIC® MC Module: 20pole
100 V

**Rated current (A)**

EPIC® MC Module: 10pole stamped
max. 10 A

EPIC® MC Module: 20pole
4 A

**Pollution degree**

EPIC® MC Module: 10pole stamped
3

EPIC® MC Module: 20pole
3

**Contacts**

EPIC® MC Module: 10pole stamped
Copper alloy, hard silver/gold-plated

EPIC® MC Module: 20pole
Copper alloy, gold-plated

**Number of contacts**

EPIC® MC Module: 10pole stamped

10

EPIC® MC Module: 20pole

20

**Termination methods**

EPIC® MC Module: 10pole stamped

Crimp termination: 0.14 - 2.5 mm²

EPIC® MC Module: 20pole

Crimp termination: 0.08 - 0.56 mm²

**Cycle of mechanical operation**

EPIC® MC Module: 10pole stamped

100

EPIC® MC Module: 20pole

50

**VDE-tested**

EPIC® MC Module: 10pole stamped

UL-tested:

UL File Number: E75770

EPIC® MC Module: 20pole

UL-tested:

UL File Number: E75770

**Temperature range**

-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
Module: 10-pin					
10383400	MCS 10 CG	male	10	1	10
10383500	MCB 10 CG	female	10	1	10
Module: 20-pin					
10383600	MCS 20 CG	male	20	1	10
10383700	MCB 20 CG	female	20	1	10
Dummy module					
10399400	MCS 0 Blind	male	0	1	10
10399500	MCB 0 Blind	female	0	1	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® MC Module: Koax 3pole

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- RGB video signal transmission in one module

EPIC® MC Module: PROFIBUS DP

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- Profibus DP module for uninterruptible fieldbus operation
- Lever for rapid removal of the module

EPIC® MC Module: Universal Bus

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- Connector for shielded data cables
- Lever for rapid removal of the module

Suitable housing

- EPIC® MCR frame
- Higher housing
- The suitable connector housings depend on the modular frame used

Suitable contacts:

EPIC® MC Module: Koax 3pole

- EPIC® MC Coax-Contacts Page 598

Benefits

EPIC® MC Module: Koax 3pole

- The mix of different functions in one plug guarantees high flexibility
- Assembly of individual connectors, suitable for different applications

EPIC® MC Module: PROFIBUS DP

- Uninterruptible fieldbus operation when pulling the connector
- Transmission rate up to 12 MBit/s
- Easy assembly by screw connection
- Shielding connection by strain relief

EPIC® MC Module: Universal Bus

- The mix of different functions in one plug guarantees high flexibility
- Assembly of individual connectors, suitable for different applications

Application range

- Plant engineering
- Light & sound technology
- Control engineering

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002641
ETIM 5.0/6.0 Class-Description:
Modular connector (industrial connector)



Rated voltage (V)

EPIC® MC Module: Koax 3pole

250 V

EPIC® MC Module: PROFIBUS DP

30 V

EPIC® MC Module: Universal Bus

30 V



EPIC® MC Module: PROFIBUS DP

1 A

EPIC® MC Module: Universal Bus

1 A



Pollution degree

3

Contact resistance

EPIC® MC Module: Koax 3pole

< 2,7 mOhm



Contacts

Copper alloy, gold-plated



Number of contacts

EPIC® MC Module: Koax 3pole

3

EPIC® MC Module: PROFIBUS DP

2 / 4 + shield

EPIC® MC Module: Universal Bus

4 + shield



Termination methods

EPIC® MC Module: Koax 3pole

Solder termination: var. coax cables

EPIC® MC Module: PROFIBUS DP

Screw termination: for Profibus cable

EPIC® MC Module: Universal Bus

Screw termination: 0.08 - 1.5 mm²



Cycle of mechanical operation

100



Temperature range

EPIC® MC Module: Koax 3pole

-40 °C to +100 °C, short-term up to +125 °C

EPIC® MC Module: PROFIBUS DP

-20 °C ... +85 °C

EPIC® MC Module: Universal Bus

-20 °C ... +85 °C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
Module: 3-pin coax					
10399200	MCS 3 coax	male	3	1	10
10399300	MCB 3 coax	female	3	1	10
Module: Profibus DP					
10390400	MCS 2 SS	male	2 + shield	1	5
10390500	MCS 2 BS	female	2 + shield	1	5
Module: Universal Bus					
10390600	MCS 4 SS	male	4 + shield	1	5
10390700	MCS 4 BS	female	4 + shield	1	5

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Accessories

- EPIC® MC Module removal tool refer to page 582



EPIC® MC Module: RJ45

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- CAT.5-Performance



Suitable housing

- EPIC® MCR frame583
- Higher housing
- The suitable connector housings depend on the modular frame used

Suitable contacts:

- EPIC® H-D 1.6 machined contacts
Page 587
- RJ45 connector for this module: CE6326 with 8 IDC contacts, AWG24-26 (Matching assembly tool for mounting crimp tong RJ45 Stewart CE5092)

Benefits

- The mix of different functions in one plug guarantees high flexibility
- Assembly of individual connectors, suitable for different applications

Application range

- Plant engineering
- Control engineering

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002641 ETIM 5.0/6.0 Class-Description: Modular connector (industrial connector)
	Rated voltage (V) max. 600 V/max. 125 V
	Rated current (A) max. 10 A/max. 1.5 A
	Pollution degree 3
	Contacts Copper alloy, gold-plated

	Number of contacts 4 Power + 8 Data
	Termination methods Power: crimp termination: 0.14 - 2.5 mm², Data: IDC/piercing termination: Cat5, AWG 24-26
	Cycle of mechanical operation 100
	Temperature range -20 °C ... +85 °C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
Module: RJ 45 (occupies 2 slots in the frame)					
10344300	MCS 8 RJ45	male	4 + 8	2	5
10345300	MCB 8 RJ45	female	4 + 8	2	5

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Accessories

- EPIC® MC Module removal tool refer to page 582
- RJ45 connector for MCS 8 RJ45: CE6326 (ArtNo.); connect with CE5092 (ArtNo.)



EPIC® MC BUS

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



i Info

- Shielded modul for data and signal transmission.
Usable for Ethernet CAT.5e

Suitable housing

- EPIC® MCR frame

583Suitable contacts:

- EPIC® H-D 1.6 machined contacts
Page 587

Benefits

- Shielded modul for data and signal transmission.
Usable for Ethernet CAT.5e
- Crimp connection for permanent vibration proof contact
- CAT5e up to 1 Gigabit/s
- Cable clamp 3 - 9mm
- The mix of different functions in one plug guarantees high flexibility

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002641 ETIM 5.0/6.0 Class-Description: Modular connector (industrial connector)		Number of contacts 8
	Rated voltage (V) 50		Termination methods Crimp termination: 0.14 - 2.5 mm²
	Rated impulse voltage 0,8 kV		Material PA
	Rated current (A) 10		Cycle of mechanical operation 500
	Pollution degree 3		Temperature range -40°C +125°C

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
EPIC® MC BUS					
10390410	EPIC® MCS BUS 2x(4) CM	male	2x (4 + shield)	2	10
10390411	EPIC® MCB BUS 2x(4) CM	female	2x (4 + shield)	2	10
EPIC® MC BUS PIN					
10390412	EPIC® MCS BUS PIN 1x(4) CM	male	4 + shield		10
10390413	EPIC® MCB BUS PIN 1x(4) CM	female	4 + shield		10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® MC Module Pneumatic 1pole

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- Pneumatic modules with valve for 2.5 and 4mm tubings



EPIC® MC Module Pneumatic 2pole

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- Pneumatic modules with valve for 2.5 and 4mm tubings



Suitable housing

- EPIC® MCR frame
- Higher housing
- The suitable connector housings depend on the modular frame used

Benefits

- The mix of different functions in one plug guarantees high flexibility
- Assembly of individual connectors, suitable for different applications

Application range

- Plant engineering
- Printing machines
- Control engineering

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002641
ETIM 5.0/6.0 Class-Description:
Modular connector (industrial connector)



Contacts

Brass



Number of contacts

EPIC® MC Module Pneumatic 1pole

1

EPIC® MC Module Pneumatic 2pole

2



Termination methods

Plug-in connection: for hose with inner diameter 2.5 mm/4.0 mm



Cycle of mechanical operation

100

Operating pressure

8 bar

Testing pressure

10 bar



Temperature range

-20°C to +100°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
Module: pneumatic 1-pin					
44424004	MCS 1x2,5 PNEU (10)	male	1	1	10
44424005	MCB 1x2,5 PNEU (10)	female with valve	1	1	10
44424006	MCS 1x4,0 PNEU (10)	male	1	1	10
44424007	MCB 1x4,0 PNEU (10)	female with valve	1	1	10
Module: pneumatic 2-pin					
44424008	MCS 2x2,5 PNEU (10)	male	2	1	10
44424009	MCB 2x2,5 PNEU (10)	female with valve	2	1	10
44424010	MCS 2x4,0 PNEU (10)	male	2	1	10
44424011	MCB 2x4,0 PNEU (10)	female with valve	2	1	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Accessories

- EPIC® MC Module removal tool refer to page 582



EPIC® MC Module removal tool

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Suitable housing

- EPIC® MCR Frames

Benefits

- This tool is used to lift built-in modules out of the module frames

Technical data

 **Classification ETIM 5/6**

ETIM 5.0/6.0 Class-ID: EC000168
ETIM 5.0/6.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection

Article number	Article description	Pieces / PU
MC module removal tool		
11171200	MC module removal tool	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® MCR 6

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



EPIC® MCR 10

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



EPIC® MCR 16

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



EPIC® MCR 24

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- Frame system for modules
- Various functions can be used together in one connector



Info

- Frame system for modules
- Various functions can be used together in one connector



Info

- Frame system for modules
- Various functions can be used together in one connector



Info

- Frame system for modules
- Various functions can be used together in one connector

Suitable housing

- EPIC® QUICK & EASY Mounting system

EPIC® MCR 6

- EPIC® ULTRA H-B 6
- EPIC® H-B 6 Housings

EPIC® MCR 10

- EPIC® ULTRA H-B 10
- EPIC® H-B 10 Housings

EPIC® MCR 16

- EPIC® ULTRA H-B 16616
- EPIC® H-B 16 Housings

EPIC® MCR 24

- EPIC® ULTRA H-B 24
- EPIC® H-B 24 Housings

Benefits

- The mix of different functions in one plug guarantees high flexibility
- Assembly of individual connectors, suitable for different applications

Product features

- The MCR “male” frame version is designed for use with modules with male contacts; the “female” version is designed for use with modules with female contacts

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002310
ETIM 5.0/6.0 Class-Description: Fixing frame industrial connectors



VDE-tested

Certified production control:
VDE-REG. no. A870
UL-tested:
UL File Number: E75770

Article number	Article	Slots	Version	Pieces / PU
MCR 6 frame				
10381000	MCR 6 S	2	male	5
10381100	MCR 6 B	2	female	5
MCR 10 frame				
10381200	MCR 10 S	3	male	5
10381300	MCR 10 B	3	female	5
MCR 16 frame				
10381400	MCR 16 S	5	male	5
10381500	MCR 16 B	5	female	5
MCR 24 frame				
10381600	MCR 24 S	7	male	5
10381700	MCR 24 B	7	female	5

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For current information see: www.lappgroup.com



EPIC® MH 0.8mm contacts stamped

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- Modular connector system, plugable with the market standard
- Gold-plated contacts for low transfer resistance
- Stamped gold plated contacts with 0.8 mm diameter for D-Sub inserts

Benefits

- Modular connector system, plugable with the market standard
- Gold-plated contacts for low transfer resistance

Application range

- Mechanical and plant engineering
- Robotics industry
- Renewable energy
- Railway applications / vehicle construction

Article number	Article description	Contact type	Conductor cross-section AWG	Pieces / PU
EPIC® MH 0.8mm contacts stamped				
44423324	EPIC® MH SCEG AU 0.09 - 0.25sqmm D=0.8	male	28 - 24	100
44423325	EPIC® MH BCEG AU 0.09 - 0.25sqmm D=1.0	female	28 - 24	100

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

**EPIC® MH 1.0mm contacts stamped**

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.

**Info**

- Stamped gold plated contacts with 1.0mm diameter for D-Sub inserts

Benefits

- Stamped gold plated contacts with 1.0mm diameter for D-Sub inserts
- Gold-plated contacts for low transfer resistance

Application range

- Mechanical and plant engineering
- Robotics industry
- Renewable energy
- Railway applications / vehicle construction

Technical data**Termination methods**

Crimp termination

Stripping length (mm)

3 ± 0.5

**Material**

brass gold plated CuZn / Au

**Cycle of mechanical operation**

500

Article number	Article description	Contact type	Conductor cross-section AWG	Pieces / PU
EPIC® MH 1.0mm contacts stamped				
44423320	EPIC® MH SCEG AU 0.09 - 0.25sqmm D=1.0	male	28 - 24	100
44423322	EPIC® MH BCEG AU 0.09 - 0.25sqmm D=1.0	female	28 - 24	100
44423321	EPIC® MH SCEG AU 0.25 - 0.52 sqmm D=1.0	male	24 - 20	100
44423323	EPIC® MH SCEG AU 0.25 - 0.52 sqmm D=1.0	female	24 - 20	100

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

**EPIC® MH 1.0mm contacts machined**

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.

**Info**

- Machined gold plated contacts with 1mm diameter for EPIC® MH Gigabit module
- Gold-plated contacts for low transfer resistance

Benefits

- Machined gold plated contacts with 1mm diameter for EPIC® MH Gigabit module
- Gold-plated contacts for low transfer resistance

Application range

- Mechanical and plant engineering
- Robotics industry
- Renewable energy
- Railway applications / vehicle construction

Technical data**Stripping length (mm)**

4.2 ± 0.5mm

**Material**

brass gold plated CuZn / Au

**Cycle of mechanical operation**

500

Article number	Article description	Contact type	Conductor cross-section AWG	Pieces / PU
EPIC® MH 1.0mm contacts machined				
44423285	EPIC® MH SCEM AU 0.09 - 0.25sqmm D=1.0	male	28 - 24	100
44423286	EPIC® MH BCEM AU 0.09 - 0.25sqmm D=1.0	female	28 - 24	100
44423287	EPIC® MH SCEM AU 0.13 - 0.33sqmm D=1.0	male	26 - 22	100
44423288	EPIC® MH BCEM AU 0.13 - 0.33sqmm D=1.0	female	26 - 22	100
44423289	EPIC® MH SCEM AU 0.25 - 0.52sqmm D=1.0	male	24 - 20	100
44423290	EPIC® MH BCEM AU 0.25 - 0.52sqmm D=1.0	female	24 - 20	100

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® M-D 1.0 D-Sub stamped contacts-on-reel

For inserts and modules of the EPIC® rectangular connectors

**Info**

- Gold plated contacts in 2 quality levels
- For automated production with crimping machine
- 2 crimp areas for wire and insulation crimp

Suitable tools

- Crimping tool for contacts-on-reel D-Sub
- Removal tool

Technical data**Classification ETIM 5/6**

ETIM 5.0/6.0 Class-ID: EC000796

ETIM 5.0/6.0 Class-Description:

Contact for industrial connectors

Article number	Article description	Contact type	Conductor cross-section (mm²)	Surface	Stripping length (mm)	Note	Pieces / PU
Contacts							
44429011	EPIC® D-SUB SCBG AU G2 0,08-0,22 (500)	male	0.08 - 0.22	Au (0.8 µm)	2.5 + 0.5	1 reel (PU) = 500 contacts	1
44429007	EPIC® D-SUB BCBG AU G2 0,08-0,22 (500)	female	0.08 - 0.22	Au (0.8 µm)	2.5 + 0.5	1 reel (PU) = 500 contacts	1
44429013	EPIC® D-SUB SCBG AU G3 0,08-0,22 (500)	male	0.08 - 0.22	Au (0.1 µm)	2.5 + 0.5	1 reel (PU) = 500 contacts	1
44429009	EPIC® D-SUB BCBG AU G3 0,08-0,22 (500)	female	0.08 - 0.22	Au (0.1 µm)	2.5 + 0.5	1 reel (PU) = 500 contacts	1
44429012	EPIC® D-SUB SCBG AU G2 0,22-0,56 (500)	male	0.22 - 0.56	Au (0.8 µm)	2.5 + 0.5	1 reel (PU) = 500 contacts	1
44429008	EPIC® D-SUB BCBG AU G2 0,22-0,56 (500)	female	0.22 - 0.56	Au (0.8 µm)	2.5 + 0.5	1 reel (PU) = 500 contacts	1
44429014	EPIC® D-SUB SCBG AU G3 0,22-0,56 (500)	male	0.22 - 0.56	Au (0.1 µm)	2.5 + 0.5	1 reel (PU) = 500 contacts	1
44429010	EPIC® D-SUB BCBG AU G3 0,22-0,56 (500)	female	0.22 - 0.56	Au (0.1 µm)	2.5 + 0.5	1 reel (PU) = 500 contacts	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® Tools for M-D 1,0 D-Sub contacts-on-reel stamped

For inserts and modules of the EPIC® rectangular connectors

**Suitable contacts:**

- EPIC® M-D 1.0 D-Sub stamped contacts-on-reel Page 586

Article number	Article description	Version	Note	Pieces / PU
Tools				
11158400	Crimping tool	In tool case	Crimping dies included, for contacts H-D 1.0 D-Sub (0.08 - 0.56 mm²)	1
11132500	Removal tool		For ribbon contacts: D-Sub 1.0 stamped	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® H-D 1.6 machined contacts

For inserts and modules of the EPIC® rectangular connectors



Info

- Choice of high quality gold or silver plated contacts

Suitable tools

- EPIC® Tools for contacts H-D 1.6 machined refer to page 587
- Pneumatic crimping machine for single contacts
- Crimping tool for single contacts

- Crimping dies for single contacts
- Locator
- Removal tool

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000796
ETIM 5.0/6.0 Class-Description:
Contact for industrial connectors

Article number	Article description	Contact type	Conductor cross-section (mm ²)	Cross-section identification	Surface	Stripping length (mm)	Pieces / PU
Contacts							
13162000	H-D 1.6 machined	male	0.14 - 0.37	1	Ag	8.0	100
13163000	H-D 1.6 machined	female	0.14 - 0.37	1	Ag	8.0	100
13162100	H-D 1.6 machined	male	0.50	2	Ag	8.0	100
13163100	H-D 1.6 machined	female	0.50	2	Ag	8.0	100
13162200	H-D 1.6 machined	male	0.75 - 1.00	3	Ag	8.0	100
13163200	H-D 1.6 machined	female	0.75 - 1.00	3	Ag	8.0	100
13162300	H-D 1.6 machined	male	1.50	4	Ag	8.0	100
13163300	H-D 1.6 machined	female	1.50	4	Ag	8.0	100
13162400	H-D 1.6 machined	male	2.50	5	Ag	5.8	100
13163400	H-D 1.6 machined	female	2.50	5	Ag	5.8	100
13162500	H-D 1.6 machined	male	0.14 - 0.37	1	Au	8.0	100
13163500	H-D 1.6 machined	female	0.14 - 0.37	1	Au	8.0	100
13162600	H-D 1.6 machined	male	0.50	2	Au	8.0	100
13163600	H-D 1.6 machined	female	0.50	2	Au	8.0	100
13162700	H-D 1.6 machined	male	0.75 - 1.00	3	Au	8.0	100
13163700	H-D 1.6 machined	female	0.75 - 1.00	3	Au	8.0	100
13162800	H-D 1.6 machined	male	1.50	4	Au	8.0	100
13163800	H-D 1.6 machined	female	1.50	4	Au	8.0	100
13162900	H-D 1.6 machined	male	2.50	5	Au	5.8	100
13163900	H-D 1.6 machined	female	2.50	5	Au	5.8	100

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® Tools for contacts H-D 1.6 machined

For inserts and modules of the EPIC® rectangular connectors



Product features

- Locator and crimping dies fit together with the crimping tool 11147000 and the crimping machine 11147001

Article number	Article description	Inserts	Conductor cross-section (mm ²)	Version	Note	Pieces / PU
Tools						
11147000	Crimping tool	without crimping dies, without locator		In tool case		1
11147001	Crimping machine	without crimping dies, without locator		Pneumatic, 5 - 10 bar		1
11147100	Crimping dies	For crimping tools 11147000, 11147001	0.14 - 4.00		For contacts: H-D 1.6 machined, H-BE 2.5 machined, MC 2.5 machined, MH 4.0	1
11147200	Locator			For crimping tools 11147000, 11147001	For contacts: H-D 1.6 machined, H-BE machined, MC 2.5 machined, MC 2.5 stamped	1
11161000	Removal tool	LS1 removal tool for 1 mm contacts			For contacts: H-D 1.6 machined, H-D 1.6 stamped	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-D 1.6 stamped contacts

For inserts and modules of the EPIC® rectangular connectors



Info

- Choice of high quality gold or silver plated contacts
- 2 crimp areas for wire and insulation crimp

Suitable tools

- Pneumatic crimping machine for single contacts
- Crimping tool for single contacts
- Crimping dies for single contacts
- Locator
- Removal tool

Technical data



Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC000796
ETIM 5.0/6.0 Class-Description:
Contact for industrial connectors

Article number	Article description	Contact type	Conductor cross-section (mm ²)	Surface	Stripping length (mm)	Pieces / PU
Contacts						
11241100	H-D 1.6 stamped	male	0.14 - 0.50	Ag	2.5 + 0.5	100
11231100	H-D 1.6 stamped	female	0.14 - 0.50	Ag	2.5 + 0.5	100
11221000	H-D 1.6 stamped	male	0.50 - 1.50	Ag	3.5 + 0.5	100
11236100	H-D 1.6 stamped	female	0.50 - 1.50	Ag	3.5 + 0.5	100
11223500	H-D 1.6 stamped	male	1.50 - 2.50	Ag	3.5 + 0.5	100
11228500	H-D 1.6 stamped	female	1.50 - 2.50	Ag	3.5 + 0.5	100
11243100	H-D 1.6 stamped	male	0.14 - 0.50	Au	2.5 + 0.5	100
11233100	H-D 1.6 stamped	female	0.14 - 0.50	Au	2.5 + 0.5	100
11221300	H-D 1.6 stamped	male	0.50 - 1.50	Au	3.5 + 0.5	100
11238100	H-D 1.6 stamped	female	0.50 - 1.50	Au	3.5 + 0.5	100

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® Tools for contacts H-D 1.6 stamped

For inserts and modules of the EPIC® rectangular connectors



Product features

- Locator and crimping dies fit together with the crimping tool 11147000 and the crimping machine 11147001

Article number	Article description	Inserts	Version	Note	Pieces / PU
Tools					
11147000	Crimping tool	without crimping dies, without locator	In tool case		1
11147001	Crimping machine	without crimping dies, without locator	Pneumatic, 5 - 10 bar		1
11147170	Crimping dies		For crimping tools	For contacts: H-D 1.6 stamped (0.14 - 0.5 mm ²)	1
			11147000, 11147001		
11147180	Crimping dies		For crimping tools	For contacts: H-D 1.6 stamped (0.5 - 1.5 mm ²), MC 2.5 stamped (0.5 - 1.5 mm ²)	1
			11147000, 11147001		
11147190	Crimping dies		For crimping tools	For contacts: H-D 1.6 stamped (1.5 - 2.5 mm ²), MC 2.5 stamped (1.5 - 2.5 mm ²)	1
			11147000, 11147001		
11147300	Locator			For contacts: H-D 1.6 machined, H-D 1.6 stamped	1
11161000	Removal tool	LS1 removal tool for 1 mm contacts		For contacts: H-D 1.6 machined, H-D 1.6 stamped	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® H-D 1.6 stamped contacts-on-reel

For inserts and modules of the EPIC® rectangular connectors

Info

- Choice of high quality gold or silver plated contacts
- For automated production with crimping machine
- 2 crimp areas for wire and insulation crimp

Suitable tools

- Crimping tool for contacts-on-reel
- Crimping dies for contacts-on-reel
- Locator
- Removal tool



Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000796

ETIM 5.0/6.0 Class-Description:

Contact for industrial connectors

Article number	Article description	Contact type	Conductor cross-section (mm²)	Surface	Stripping length (mm)	Note	Pieces / PU
Contacts							
11240700	H-D SCBG AG 0.14-0.5 200 LI	male	0.14 - 0.50	Ag	2.5 + 0.5	1 reel (PU) = 200 contacts	1
11230700	H-D BCBG AG 0.14-0.5 200 LI	female	0.14 - 0.50	Ag	2.5 + 0.5	1 reel (PU) = 200 contacts	1
11240400	H-D SCBG AG 0.14-0.5 2000 LI	male	0.14 - 0.50	Ag	2.5 + 0.5	1 reel (PU) = 2000 contacts	1
11230400	H-D BCBG AG 0.14-0.5 2000 LI	female	0.14 - 0.50	Ag	2.5 + 0.5	1 reel (PU) = 2000 contacts	1
11240000	H-D SCBG AG 0.14-0.5 2000 RE	male	0.14 - 0.50	Ag	2.5 + 0.5	1 reel (PU) = 2000 contacts	1
11230000	H-D BCBG AG 0.14-0.5 2000 RE	female	0.14 - 0.50	Ag	2.5 + 0.5	1 reel (PU) = 2000 contacts	1
11240500	H-D SCBG AU 0.14-0.5 2000 LI	male	0.14 - 0.50	Au	2.5 + 0.5	1 reel (PU) = 2000 contacts	1
11230500	H-D BCBG AU 0.14-0.5 2000 LI	female	0.14 - 0.50	Au	2.5 + 0.5	1 reel (PU) = 2000 contacts	1
11220700	H-D SCBG AG 0.5-1.5 200 LI	male	0.50 - 1.50	Ag	3.5 + 0.5	1 reel (PU) = 200 contacts	1
11235700	H-D BCBG AG 0.14-0.5 200 LI	female	0.50 - 1.50	Ag	3.5 + 0.5	1 reel (PU) = 200 contacts	1
11226000	H-D SCBG AG 0.5-1.5 2000 LI	male	0.50 - 1.50	Ag	3.5 + 0.5	1 reel (PU) = 2000 contacts	1
11226500	H-D BCBG AG 0.5-1.5 2000 LI	female	0.50 - 1.50	Ag	3.5 + 0.5	1 reel (PU) = 2000 contacts	1
11220000	H-D SCBG AG 0.5-1.5 2000 RE	male	0.50 - 1.50	Ag	2.5 + 0.5	1 reel (PU) = 2000 contacts	1
11235000	H-D BCBG AG 0.5-1.5 2000 RE	female	0.50 - 1.50	Ag	2.5 + 0.5	1 reel (PU) = 2000 contacts	1
11220100	H-D SCBG AU 0.5-1.5 2000 RE	male	0.50 - 1.50	Au	2.5 + 0.5	1 reel (PU) = 2000 contacts	1
11235200	H-D BCBG AG 0.5-1.5 200 LI	female	0.50 - 1.50	Au	2.5 + 0.5	1 reel (PU) = 2000 contacts	1
11223000	H-D SCBG AG 1.5-2.5 100 LI	male	1.50 - 2.50	Ag	3.5 + 0.5	1 reel (PU) = 100 contacts	1
11228000	H-D BCBG AG 1.5-2.5 100 LI	female	1.50 - 2.50	Ag	3.5 + 0.5	1 reel (PU) = 100 contacts	1
11222700	H-D SCBG AG 1.5-2.5 2000 LI	male	1.50 - 2.50	Ag	3.5 + 0.5	1 reel (PU) = 2000 contacts	1
11227700	H-D BCBG AG 1.5-2.5 2000 LI	female	1.50 - 2.50	Ag	3.5 + 0.5	1 reel (PU) = 2000 contacts	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-BE 2.5 machined contacts

For inserts and modules of the EPIC® rectangular connectors



Info

- Choice of high quality gold or silver plated contacts

Suitable tools

- Pneumatic crimping machine for single contacts
- Crimping tool for single contacts
- Crimping dies for single contacts
- Locator
- Removal tool

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000796

ETIM 5.0/6.0 Class-Description:

Contact for industrial connectors

Article number	Article description	Contact type	Conductor cross-section (mm²)	Cross-section identification	Surface	Stripping length (mm)	Pieces / PU
Contacts							
11190000	H-BE 2.5 machined	male	0.50	0	Ag	7.4	100
11195000	H-BE 2.5 machined	female	0.50	0	Ag	7.4	100
11190100	H-BE 2.5 machined	male	0.75 - 1.00	1	Ag	7.4	100
11195100	H-BE 2.5 machined	female	0.75 - 1.00	1	Ag	7.4	100
11190200	H-BE 2.5 machined	male	1.50	2	Ag	7.4	100
11195200	H-BE 2.5 machined	female	1.50	2	Ag	7.4	100
11190300	H-BE 2.5 machined	male	2.50	3	Ag	7.4	100
11195300	H-BE 2.5 machined	female	2.50	3	Ag	7.4	100
11190400	H-BE 2.5 machined	male	4.00	0	Ag	7.4	100
11195400	H-BE 2.5 machined	female	4.00	0	Ag	7.4	100
Contacts							
11190301	H-BE 2.5 machined	male	0.14 - 0.37	2	Au	7.4	100
11190302	H-BE 2.5 machined	female	0.14 - 0.37	2	Au	7.4	100
11192000	H-BE 2.5 machined	male	0.50	0	Au	7.4	100
11197000	H-BE 2.5 machined	female	0.50	0	Au	7.4	100
11192100	H-BE 2.5 machined	male	0.75 - 1.00	1	Au	7.4	100
11197100	H-BE 2.5 machined	female	0.75 - 1.00	1	Au	7.4	100
11192200	H-BE 2.5 machined	male	1.50	2	Au	7.4	100
11197200	H-BE 2.5 machined	female	1.50	2	Au	7.4	100
11192300	H-BE 2.5 machined	Pin	2.50	3	Au	7.4	100
11197300	H-BE 2.5 machined	female	2.50	3	Au	7.4	100

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® Tools for contacts H-BE 2.5 machined

For inserts and modules of the EPIC® rectangular connectors



Product features

- Locator and crimping dies fit together with the crimping tool 11147000 and the crimping machine 11147001

Article number	Article description	Inserts	Conductor cross-section (mm²)	Version	Note	Pieces / PU
Tools						
11147000	Crimping tool	without crimping dies, without locator		In tool case		1
11147001	Crimping machine	without crimping dies, without locator		Pneumatic, 5 - 10 bar		1
11147100	Crimping dies	For crimping tools 11147000, 11147001	0.14 - 4.00		For contacts: H-D 1.6 machined, H-BE 2.5 machined, MC 2.5 machined, MH 4.0	1
11147200	Locator			For crimping tools 11147000, 11147001	For contacts: H-D 1.6 machined, H-BE machined, MC 2.5 machined, MC 2.5 stamped	1
11182500	Removal tool	LS1 removal tool for 2 mm contacts			For contacts: H-BE 2.5 machined	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



Info

- Silver plated and passivated contacts

Suitable tools

- Pneumatic crimping machine for single contacts
- Crimping tool for single contacts
- Crimping dies for single contacts
- Locator
- Removal tool

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000796

ETIM 5.0/6.0 Class-Description:
Contact for industrial connectors

Article number	Article description	Version	Conductor cross-section (mm²)	Cross-section identification	Surface	Stripping length (mm)	Pieces / PU
Contacts							
1121300C	MC 2.5 machined	male	0.50		Ag	7.8	100
1121800C	MC 2.5 machined	female	0.50		Ag	7.8	100
1121310C	MC 2.5 machined	male	1.00	1	Ag	7.8	100
1121810C	MC 2.5 machined	female	1.00	1	Ag	7.8	100
1121320C	MC 2.5 machined	male	1.50	2	Ag	7.8	100
1121820C	MC 2.5 machined	female	1.50	2	Ag	7.8	100
1121330C	MC 2.5 machined	male	2.50	3	Ag	7.8	100
1121830C	MC 2.5 machined	female	2.50	3	Ag	7.8	100
1121340C	MC 2.5 machined	male	4.00		Ag	7.8	100
1121840C	MC 2.5 machined	female	4.00		Ag	7.8	100

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EPIC® Tools for contacts MC 2.5 machined

For inserts and modules of the EPIC® rectangular connectors



Product features

- Locator and crimping dies fit together with the crimping tool 11147000 and the crimping machine 11147001

Article number	Article description	Inserts	Conductor cross-section (mm²)	Version	Note	Pieces / PU
Tools						
11147000	Crimping tool	without crimping dies, without locator		In tool case		1
11147001	Crimping machine	without crimping dies, without locator		Pneumatic, 5 - 10 bar		1
11147100	Crimping dies	For crimping tools 11147000, 11147001	0.14 - 4.00		For contacts: H-D 1.6 machined, H-BE 2.5 machined, MC 2.5 machined, MH 4.0	1
11147200	Locator			For crimping tools 11147000, 11147001	For contacts: H-D 1.6 machined, H-BE machined, MC 2.5 machined, MC 2.5 stamped	1
11171000	Removal tool				For contacts: MC 2.5 machined	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® MC 2.5 stamped contacts

For inserts and modules of the EPIC® rectangular connectors

**Info**

- Silver plated and passivated contacts
- 2 crimp areas for wire and insulation crimp

Suitable tools

- Pneumatic crimping machine for single contacts
- Crimping tool for single contacts
- Crimping dies for single contacts
- Locator
- Removal tool

Technical data**Classification ETIM 5/6**

ETIM 5.0/6.0 Class-ID: EC000796

ETIM 5.0/6.0 Class-Description:

Contact for industrial connectors

Article number	Article description	Contact type	Conductor cross-section (mm ²)	Surface	Stripping length (mm)	Pieces / PU
Contacts						
11201000	MC 2.5 stamped	male	0.50 - 1.50	Ag	3.5 + 0.5	100
11205000	MC 2.5 stamped	female	0.50 - 1.50	Ag	3.5 + 0.5	100
11202000	MC 2.5 stamped	male	1.50 - 2.50	Ag	3.5 + 0.5	100
11206000	MC 2.5 stamped	female	1.50 - 2.50	Ag	3.5 + 0.5	100

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® Tools for contacts MC 2.5 stamped

For inserts and modules of the EPIC® rectangular connectors

**Product features**

- Locator and crimping dies fit together with the crimping tool 11147000 and the crimping machine 11147001

Article number	Article description	Inserts	Version	Note	Pieces / PU
Tools					
11147000	Crimping tool	without crimping dies, without locator	In tool case		1
11147001	Crimping machine	without crimping dies, without locator	Pneumatic, 5 - 10 bar		1
11147180	Crimping dies		For crimping tools 11147000, 11147001	For contacts: H-D 1.6 stamped (0.5 - 1.5 mm ²), MC 2.5 stamped (0.5 - 1.5 mm ²)	1
11147190	Crimping dies		For crimping tools 11147000, 11147001	For contacts: H-D 1.6 stamped (1.5 - 2.5 mm ²), MC 2.5 stamped (1.5 - 2.5 mm ²)	1
11147300	Locator			For contacts: H-D 1.6 machined, H-D 1.6 stamped	1
11160000	Removal tool			For contacts: MC 2.5 stamped	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® MC 2.5 stamped contacts-on-reel

For inserts and modules of the EPIC® rectangular connectors



Info

- Silver plated and passivated contacts
- For automated production with crimping machine
- 2 crimp areas for wire and insulation crimp

Suitable tools

- Crimping tool for contacts-on-reel
- Crimping dies for contacts-on-reel
- Locator
- Removal tool

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000796

ETIM 5.0/6.0 Class-Description:
Contact for industrial connectors



Article number	Article description	Contact type	Conductor cross-section (mm²)	Surface	Stripping length (mm)	Note	Pieces / PU
Contacts							
11208000	MC SCBG AG 0.5-1.5 200 LI	male	0.50 - 1.50	Ag	3.5 + 0.5	1 reel (PU) = 200 contacts	1
11209000	MC BCBG AG 0.5-1.5 200 LI	female	0.50 - 1.50	Ag	3.5 + 0.5	1 reel (PU) = 200 contacts	1
11208500	H-D SCBG AG 1.5-2.5 100 LI	male	1.50 - 2.50	Ag	3.5 + 0.5	1 reel (PU) = 100 contacts	1
11209500	MC BCBG AG 1.5-2.5 100 LI	female	1.50 - 2.50	Ag	3.5 + 0.5	1 reel (PU) = 100 contacts	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® MC 3.6 machined contacts

For inserts and modules of the EPIC® rectangular connectors

**Info**

- Silver plated and passivated contacts

**Suitable tools**

- Pneumatic crimping machine for single contacts
- Crimping tool for single contacts
- Crimping dies for single contacts
- Locator
- Removal tool

Technical data**Classification ETIM 5/6**

ETIM 5.0/6.0 Class-ID: EC000796

ETIM 5.0/6.0 Class-Description:

Contact for industrial connectors

Article number	Article description	Contact type	Conductor cross-section (mm ²)	Surface	Stripping length (mm)	Pieces / PU
Contacts						
1121070C	MC 3.6 machined	male	1.50	Ag	10.0	100
1121570C	MC 3.6 machined	female	1.50	Ag	10.0	100
1121060C	MC 3.6 machined	male	2.50	Ag	10.0	100
1121560C	MC 3.6 machined	female	2.50	Ag	10.0	100
1121000C	MC 3.6 machined	male	4.00	Ag	10.0	100
1121500C	MC 3.6 machined	female	4.00	Ag	10.0	100
1121010C	MC 3.6 machined	male	6.00	Ag	10.0	100
1121510C	MC 3.6 machined	female	6.00	Ag	10.0	100
1121020C	MC 3.6 machined	male	10.00	Ag	10.0	100
1121520C	MC 3.6 machined	female	10.00	Ag	10.0	100

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® Tools for contacts MC 3.6 machined

For inserts and modules of the EPIC® rectangular connectors

**Product features**

- Locator and crimping dies fit together with the crimping tool 11147000 and the crimping machine 11147001

Article number	Article description	Inserts	Version	Note	Pieces / PU
Tools					
11147000	Crimping tool	without crimping dies, without locator	In tool case		1
11147001	Crimping machine	without crimping dies, without locator	Pneumatic, 5 - 10 bar		1
11147110	Crimping dies		For crimping tools 11147000, 11147001	For contacts: MC 3.6 machined (1.5 - 2.5 mm ²)	1
11147120	Crimping dies		For crimping tools 11147000, 11147001	For contacts: MC 3.6 machined (4.0 - 10 mm ²)	1
11147210	Locator		For crimping tools 11147000, 11147001	For contacts: MC 3.6 machined	1
11171100	Removal tool			For contacts: MC 3.6 machined	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® MC 3.6 machined contacts 16 mm²

For inserts and modules of the EPIC® rectangular connectors



Info

- Crimping contact for power modules
- Silver plated and passivated contacts



Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000168
ETIM 5.0/6.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection

Contact resistance
< 1 mOhm



Contacts

Copper alloy, hard silver-plated



Cycle of mechanical operation
500

Article number	Article description	Inserts	Version	Cross-section (mm²)	Surface	Pieces / PU
Contacts						
44424014	EPIC® Modular SCEM AG 16 D=3.6	Crimping contacts for HC2 modules	male	16	Ag	20
44424015	EPIC® Modular BCEM AG 16 D=3.6	Crimping contacts for HC2 modules	female	16	Ag	20
Ring lug for Protection earth						
44424029	EPIC® KB 16-4R	Ring cable lug to connect a 16mm² protective wire to the module frame	Ringlug	16		10
Crimping die for contacts of HC2 modules						
11147111	EPIC® TOOL DIE D=3.6/16 mm²	Crimping dies		16		1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® MH 4.0mm Contacts

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector system, plugable with the market standard



Benefits

- Crimp connection for permanent vibration proof contact
- EPIC® MH system is mateable with the market standard

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Suitable tools

- EPIC MH Tools 4.0mm

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000796
ETIM 5.0/6.0 Class-Description: Contact for industrial connectors



Termination methods

Crimp termination: 1.5 mm² - 10 mm²

Stripping length (mm)

10



Cycle of mechanical operation
500

Contact resistance

< 5 mOhm

Article number	Article description	Contact type	Connection cross section (mm²)	Pieces / PU
EPIC® MH 4.0mm Contacts				
44423250	EPIC® MH SCEM AG 1.5sqmm D=4.0	male	1.5	100
44423255	EPIC® MH BCEM AG 1.5sqmm D=4.0	female	1.5	100
44423251	EPIC® MH SCEM AG 2.5sqmm D=4.0	male	2.5	100
44423256	EPIC® MH BCEM AG 2.5sqmm D=4.0	female	2.5	100
44423252	EPIC® MH SCEM AG 4sqmm D=4.0	male	4	100
44423257	EPIC® MH BCEM AG 4sqmm D=4.0	female	4	100
44423253	EPIC® MH SCEM AG 6sqmm D=4.0	male	6	100
44423258	EPIC® MH BCEM AG 6sqmm D=4.0	female	6	100
44423254	EPIC® MH SCEM AG 10sqmm D=4.0	male	10	100
44423259	EPIC® MH BCEM AG 10sqmm D=4.0	female	10	100

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

MC 6.0 machined contacts

For inserts and modules of the EPIC® rectangular connectors



Suitable tools

- For use in battery hydraulic crimping tool Klauke type EK 60/22-L

Technical data

Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC000796
ETIM 5.0/6.0 Class-Description:
Contact for industrial connectors

Contact resistance
< 1 mOhm

Info

- Silver plated and passivated contacts

Material
Copper alloy, hard silver-plated

Cycle of mechanical operation
500

Article number	Article description	Inserts	Version	Cross-section (mm²)	Cross-section identification	Surface	Pieces / PU
Contacts							
44424019	MC SCEM AG 16 D=6.0	Crimping contacts for HHC2 modules	male	16	1	Ag	20
44424022	MC BCEM AG 16 D=6.0	Crimping contacts for HHC2 modules	female	16	1	Ag	20
44424020	MC SCEM AG 25 D=6.0	Crimping contacts for HHC2 modules	male	25	2	Ag	20
44424023	MC BCEM AG 25 D=6.0	Crimping contacts for HHC2 modules	female	25	2	Ag	20
44424021	MC SCEM AG 35 D=6.0	Crimping contacts for HHC2 modules	male	35	3	Ag	20
44424024	MC BCEM AG 35 D=6.0	Crimping contacts for HHC2 modules	female	35	3	Ag	20
Crimping die for contacts of HHC2 modules							
44424025	TOOL DIE D=6.0/16 mm²	Crimping dies		16			1
44424026	TOOL DIE D=6.0/25 mm²	Crimping dies		25			1
44424027	TOOL DIE D=6.0/35 mm²	Crimping dies		35			1

* Trade product, no Lapp product
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EPIC® MH 8.0mm Contacts

High flexibility by the use of any combination of inserts in one connector



Benefits

- Crimp connection for permanent vibration proof contact
- EPIC® MH system is mateable with the market standard

Application range

- Mechanical engineering
- Robot-building
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Suitable tools

- For use in battery hydraulic crimping tool Klauke type EK 120/42-L

Info

- Modular connector system, plugable with the market standard

Technical data

Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC000796
ETIM 5.0/6.0 Class-Description:
Contact for industrial connectors

Contact resistance
< 5 mOhm

Termination methods
Crimp termination: 10 mm² ... 35 mm²

Stripping length (mm)
18

Cycle of mechanical operation
500

Article number	Article description	Contact type	Connection cross section (mm²)	Pieces / PU
EPIC® MH D=8.0 contacts				
44423242	EPIC® MH SCEM AG 10sqmm D=8.0	male	10	10
44423246	EPIC® MH BCEG AU 0.09 - 0.25sqmm D=1.0	female	10	10
44423243	EPIC® MH SCEM AG 16sqmm D=8.0	male	16	10
44423247	EPIC® MH BCEM AG 16sqmm D=8.0	female	16	10
44423244	EPIC® MH SCEM AG 25sqmm D=8.0	male	25	10
44423248	EPIC® MH BCEM AG 25sqmm D=8.0	female	25	10
44423245	EPIC® MH SCEM AG 35sqmm D=8.0	male	35	10
44423249	EPIC® MH BCEM AG 35sqmm D=8.0	female	35	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® TOOL DIE 8.0mm

High flexibility by the use of any combination of inserts in one connector

Info

- Crimp dies for electro hydraulic crimp tool

Info

- Tool for removing the 8.0mm contacts from the EPIC® MH modules

EPIC® MH contact removal tool 8.0mm

High flexibility by the use of any combination of inserts in one connector



Suitable contacts:

EPIC® TOOL DIE 8.0mm

- EPIC MH 8.0mm Contacts Page 596

Benefits

EPIC® MH contact removal tool 8.0mm

- Tool for removing the 8.0mm contacts from the EPIC® MH modules

Suitable tools

EPIC® TOOL DIE 8.0mm

- For use in battery hydraulic crimping tool Klauke type EK 120/42-L

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000168

ETIM 5.0/6.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection

Article number	Article description	Connection cross section (mm ²)	Pieces / PU
Crimping dies			
44423270	EPIC® TOOL DIE D=8.0 10sqmm	10	1
44423271	EPIC® TOOL DIE D=8.0 16sqmm	16	1
44423272	EPIC® TOOL DIE D=8.0 25sqmm	25	1
44423273	EPIC® TOOL DIE D=8.0 35sqmm	35	1
EPIC® MH contact removal tool 8.0mm			
44423269	EPIC® MH Contact Removal Tool D=8.0		1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

MC 10.0 machined contacts

For inserts and modules of the EPIC® rectangular connectors

Info

- Crimping contacts for maximum cross sections and currents
- Silver plated and passivated contacts

Suitable tools

- For use in battery hydraulic crimping tool Klauke type EK 120/42-L

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000796

ETIM 5.0/6.0 Class-Description: Contact for industrial connectors

Contact resistance
< 1 mOhm



Material

Copper alloy, hard silver-plated



Cycle of mechanical operation
500

Article number	Article description	Inserts	Version	Cross-section (mm ²)	Surface	Pieces / PU
Contacts						
44424032	Modular SCEM AG 50 D=10.0	Crimping contacts for HHC1 modules	male	50	Ag	10
44424035	Modular BCEM AG 50 D=10.0	Crimping contacts for HHC1 modules	female	50	Ag	10
44424033	Modular SCEM AG 70 D=10.0	Crimping contacts for HHC1 modules	male	70	Ag	10
44424036	Modular BCEM AG 70 D=10.0	Crimping contacts for HHC1 modules	female	70	Ag	10
44424034	Modular SCEM AG 95 D=10.0	Crimping contacts for HHC1 modules	male	95	Ag	10
44424037	Modular BCEM AG 95 D=10.0	Crimping contacts for HHC1 modules	female	95	Ag	10
Crimping die for contacts of HHC1 modules						
44424038	TOOL DIE D=10.0/50 mm ²	Crimping dies		50		1
44424039	TOOL DIE D=10.0/70 mm ²	Crimping dies		70		1
44424040	TOOL DIE D=10.0/95 mm ²	Crimping dies		95		1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® MC Coax-Contacts

For inserts and modules of the EPIC® rectangular connectors



Info

- Selection between 50 and 75 ohms contacts
- All contacts are high quality gold plated

Product features

- Solder termination: the inner conductor and the outer sleeve of the COAX cable are terminated by soldering

Suitable tools

- Pneumatic crimping machine for single contacts
- Crimping tool for single contacts
- Crimping dies for single contacts
- Locator
- Removal tool

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000796
ETIM 5.0/6.0 Class-Description:
Contact for industrial connectors

Article number	Article description	Contact type	Surface	For cable type	Pieces / PU
Solder termination					
44429018	EPIC® MC SLEM 50Ohm RG58CU	male	Au	RG 58 CU	10
44429017	EPIC® MC BLEM 50Ohm RG58CU	female	Au	RG 58 CU	10
44429020	EPIC® MC SLEM 75Ohm RG180BU	male	Au	RG 180 BU	10
44429019	EPIC® MC BLEM 75Ohm RG180BU	female	Au	RG 180 BU	10
44429022	EPIC® MC SLEM 75Ohm RG187AU	male	Au	RG 187 AU	10
44429021	EPIC® MC BLEM 75Ohm RG187AU	female	Au	RG 187 AU	10
Solder/crimp termination					
11214200	MC SLEM COAX MALE	male	Au	RG 58	1
11219200	MC BLEM COAX FEMALE	female	Au	RG 58	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® Tools for contacts MC Coax

For inserts and modules of the EPIC® rectangular connectors



Product features

- Locator and crimping dies fit together with the crimping tool 11147000 and the crimping machine 11147001

Article number	Article description	Inserts	Version	Note	Pieces / PU
Tools					
11147000	Crimping tool	without crimping dies, without locator	In tool case		1
11147001	Crimping machine	without crimping dies, without locator	Pneumatic, 5 - 10 bar		1
11147130	Crimping dies		For crimping tools 11147000, 11147001	For coax-contacts 11214200, 11219200	1
11171100	Removal tool			For contacts: MC 3.6 machined	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® ULTRA H-A 3 Housing

The robust and reliable industry connector housing as EMC version



Info

- EMC protection
- Corrosion-resistant
- Protection rating UL50E tested

Technical data



Material

Housing: nickel-plated zinc diecasting
Lever: stainless steel
Sealing: NBR



Protection rating

IP 65
NEMA 250, UL50E: 12, 4, 4X (latched)



Temperature range

-40°C to +100°C,
short-term up to +125°C

Benefits

- All-purpose due to high corrosion resistance and high environmental protection.
- Space-saving due to compact dimensions
- High mechanical and chemical resistance
- Plugable with standard housings
- Optimum, low-resistance 360° screening

Application range

- Electric motor manufacturing
- In EMC-sensitive environments
- For fixed and flexible applications (e.g. machinery building, wind turbines)
- Construction machinery

Product features

- Resistance to cyclic salt spray is tested according to IEC 68-2-52, severity level 2
- Salt spray testing according to DIN EN ISO 9227, method NSS, period of test 480 hours
- Corrosion-resistant according to DIN EN 6988
- Matching EMC cable gland separately: 53112630
- Delivery including stainless steel screw for the inserts

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Illustration	PU	Dimensions	
		AG	M 20
Hood			
	10		10423300
	10		10423201
Cable coupler hood			
	10		10423204
Panel-mount base			
	10	10423200	
	10	10423202	
	10		10423203

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-A 3 Hood and cable coupler hood

The robust and reliable industry connector housing



Info

- Lightweight, chemically resistant plastic housing or robust zinc-die casting housing
- Protection rating UL50E tested

Benefits

- Housing in plastic or metal version. For power supply in the smallest possible space

Application range

- Machine and equipment manufacturing
- Control engineering
- Electronic laboratory

Product features

- Hood and cable coupler hood
- Versions with / without cable gland
- Single lever or bolts for single lever

Suitable inserts

- Refer to Selection Table A 10 to select the required inserts and housings

Technical data



Material

Housing: powder-coated zinc die-casting, grey
thermoplastic, grey, black
Lever: zinc-plated steel



Protection rating

IP 65 (latched)
NEMA 250, UL50E: 12, 4, 4X (latched)



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Illustration	Material	Cable gland	PU	Dimensions	
				M 20	PG 11
Hood					
	Zinc die-casting		10	19512100	10512100
	Zinc die-casting	yes	10	19426500	10426500
	Thermoplastic		10	19425500	10425500
	Thermoplastic	yes	10		10426700
	Thermoplastic		10	19426000	10426000
	Thermoplastic	yes	10		10426400
	Zinc die-casting		10	19512300	10512300
	Zinc die-casting	yes	10	19427500	10427500
	Thermoplastic		10	19427300	10427300
	Thermoplastic	yes	10		10620600
	Thermoplastic		10	19427000	10427000
	Thermoplastic	yes	10		10427100
Cable coupler hood					
	Zinc die-casting		10	19512900	10512900
	Zinc die-casting	yes	10		10429500
	Thermoplastic		10	19429200	10429200
	Thermoplastic	yes	10		10620300
	Thermoplastic		10	19429000	10429000
	Thermoplastic	yes	10		10429100

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-A 3 Panel-mount- and surface-mount base

The robust and reliable industry connector housing

Technical data



Material

Housing: powder-coated zinc die-casting, grey thermoplastic, grey, black
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65 (latched)
IP 44 (cover closed)
NEMA 250, UL50E: 12, 4, 4X (latched)



VDE-tested

Certified production control:
VDE-REG. no.: B437 (except MAGD)
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Benefits

- Housing in plastic or metal version. For power supply in the smallest possible space

Application range

- Mechanical and plant engineering
- Control engineering
- Electronic laboratory



Info

- Lightweight, chemically resistant plastic housing or robust zinc-die casting housing
- Protection rating UL50E tested

Product features

- Panel-mount base and surface-mount base
- Versions with / without cable gland
- Panel-mount base with cover (with sealing, for female inserts)
- Panel-mount base, flat gasket included (version with open base)

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Illustration	Material	Cable gland	PU	Dimensions		
				AG	M 20	PG 11
Panel-mount base						
	Zinc die-casting		10	10422500		
	Thermoplastic		10	10422200		
	Thermoplastic		10	10422000		
	Zinc die-casting		10	10423500		
	Thermoplastic		10	10423100		
	Thermoplastic		10	10423000		
	Aluminium die-casting		10	44429015		
Surface-mount base						
	Zinc die-casting		10		19512700	10512700
	Zinc die-casting	yes	10		19424500	10424500
	Thermoplastic		10			10424000
	Thermoplastic	yes	10		19421900	10424200
	Zinc die-casting		10		19517200	
	Thermoplastic		10		19515200	

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-A 10 Hood and cable coupler hood

The robust and reliable industry connector housing



Info

- Non-slip ridges for comfortable disconnecting
- High version: More interior space for wiring
- Protection rating UL50E tested

Benefits

- Small and space-saving for narrow available space

Application range

- Mechanical and plant engineering
- Control engineering
- Electronic laboratory

Product features

- Hood with bolts for single lever
- Cable coupler hood with single lever
- Standard and high version
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A 10 to select the required inserts and housings

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65 (latched)
NEMA 250, UL50E: 12, 4, 4X (latched)



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Illustration	High design	Neck	PU	Dimensions				
				M 20	M 25	PG 13.5	PG 16	PG 21
Hood								
		yes	5			10446000	10446100	
	yes	yes	5				70460200	70460400
		yes	5	19445000	19445500		10445000	10445500
	yes	yes	5				70462200	70462400
			5	19446000	19446100			
	yes		5	79460200	79460400			
	yes		5	79462200	79462400			
Cable coupler hood								
		yes	5			10439000	70450000	
	yes	yes	5					70450400
			5	19439000	79450000			
	yes		5		79450400			

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-A 10 Panel-mount- and surface-mount base

The robust and reliable industry connector housing

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65 (latched)
NEMA 250, UL50E: 12, 4, 4X (latched)



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Benefits

- Small and space-saving for narrow available space

Application range

- Mechanical and plant engineering
- Control engineering
- Electronic laboratory



Info

- Non-slip ridges for comfortable disconnecting
- Protection rating UL50E tested

Product features

- Panel-mount base, with flat gasket included and single lever
- Version with metal cover
- Surface-mount base with 1 or 2 cable outlets

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Illustration	Cable entry	PU	Dimensions				
			AG	M 20	M 25	PG 16	PG 21
Panel-mount base							
		5	70444000				
		5	10442000				
Surface-mount base							
		5		79455200	79455400	70455200	70455400
	1	5		79456200	79456400	70456200	70456400
		5		19448100	19448000	10448100	10448000
	1	5		19450100		10450100	

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-A 16 Hood and cable coupler hood

The robust and reliable industry connector housing



Info

- Non-slip ridges for comfortable disconnecting
- High version: More interior space for wiring
- Protection rating UL50E tested

Benefits

- Small and space-saving for narrow available space

Application range

- Mechanical and plant engineering
- Control engineering
- Electronic laboratory

Product features

- Hood with bolts for single lever
- Cable coupler hood with single lever
- Standard and high version
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A 10 to select the required inserts and housings

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65 (latched)
NEMA 250, UL50E: 12, 4, 4X (latched)



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Illustration	High design	Neck	PU	Dimensions			
				M 20	M 25	PG 16	PG 21
Hood							
		yes	5			10565000	10565300
	yes	yes	5			70490200	70490400
		yes	5	19564000	19564500	10564000	10564500
	yes	yes	5			70492200	70492400
			5	19565000	19565300		
	yes		5	79490200	79490400		
	yes		5	79492200	79492400		
Cable coupler hood							
			5	19563000	19563200		
	yes		5	79480200	79480400		
		yes	5			10563000	
	yes	yes	5			70480200	70480400

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-A 16 Panel-mount- and surface-mount base

The robust and reliable industry connector housing

Technical data



Material

Housing: aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65 (latched)
NEMA 250, UL50E: 12, 4, 4X (latched)



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Benefits

- Small and compact, for applications with high number of contacts

Application range

- Mechanical and plant engineering
- Control engineering
- Electronic laboratory



Info

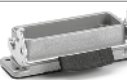
- Protection rating UL50E tested

Product features

- Panel-mount base incl. flat gasket included
- Variants with or without hinged cover
- Surface-mount base with 1 or 2 cable outlets
- With single lever

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Illustration	Cable entry	PU	Dimensions				
			AG	M 20	M 25	PG 16	PG 21
Panel-mount base							
		5	70474000				
		5	10462000				
Surface-mount base							
	1	5		79485200	79485400	70485200	70485400
	2	5		79485400	79486400	70486200	70486400
	1	5		19567100	19567000	10567100	10567000
	2	5		19568100	19568000	10568100	10568000

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® ULTRA H-B 6 TG LB

The robust and reliable industry connector housing as EMC version



Info

- EMC protection
- Corrosion-resistant
- SKINTOP® integrated cable gland



Info

- EMC protection
- Corrosion-resistant
- SKINTOP® integrated cable gland

Benefits

- Optimum, low-resistance 360° screening
- All-purpose due to high corrosion resistance and high environmental protection.
- Space-saving due to compact dimensions
- Faster than any other comparable system
- High mechanical resistance

Application range

- In EMC-sensitive environments
- For fixed and flexible applications (e.g. machinery building, wind turbines)
- Construction machinery
- Electric motor manufacturing

Product features

- Housings with the BRUSH addition come with BRUSH cable screen contacting
- Pluggable with standard housings
- Corrosion-resistant according to DIN EN 6988
- Resistance to cyclic salt spray is tested according to IEC 68-2-52, severity level 2
- Salt spray testing according to DIN EN ISO 9227, method NSS, period of test 480 hours

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000437

ETIM 5.0/6.0 Class-Description:

Housing for industrial connectors



Material

Housing: nickel-plated zinc die-casting

Lever and bolts: stainless steel

Sealing: NBR

Cable gland

Body: nickel-plated brass

Insert: PA

Seal: special elastomer



Protection rating

IP 65

NEMA 250, UL50E: 12, 4, 4X (latched)



Temperature range

-40°C to +100°C

Article number	Article description	Clamping range in mm	Minimum Ø above braiding (mm)	Pieces / PU
H-B housing: hood (straight cable entry, bolts for single lever)				
70250200	ULTRA H-B 6 TG-LB 6-13	6 - 13		1
70250266	ULTRA H-B 6 TG-LB 6-13 BRUSH	6 - 13	6	1
70250201	ULTRA H-B 6 TG-LB 9-17	9 - 17		1
70250202	ULTRA H-B 6 TG-LB 9-17 BRUSH	9 - 17	6	1
H-B housing: hood (side cable entry, bolts for single lever)				
70250203	ULTRA H-B 6 TS-LB 6-13	6 - 13		1
70250267	ULTRA H-B 6 TS-LB 6-13 BRUSH	6 - 13	6	1
70250204	ULTRA H-B 6 TS-LB 9-17	9 - 17		1
70250205	ULTRA H-B 6 TS-LB 9-17 BRUSH	9 - 17	6	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® ULTRA H-B 6 AG LB

The robust and reliable industry connector housing as EMC version



Info

- EMC protection
- Corrosion-resistant

EPIC® ULTRA H-B 6 SGR LB

The robust and reliable industry connector housing as EMC version



Info

- EMC protection
- Corrosion-resistant
- SKINTOP® integrated cable gland

Benefits

- Optimum, low-resistance 360° screening
- All-purpose due to high corrosion resistance and high environmental protection.
- Space-saving due to compact dimensions
- Faster than any other comparable system
- High mechanical resistance

Application range

- In EMC-sensitive environments
- For fixed and flexible applications (e.g. machinery building, wind turbines)
- Construction machinery
- Electric motor manufacturing

Product features

- Housings with the BRUSH addition come with BRUSH cable screen contacting
- Pluggable with standard housings
- Corrosion-resistant according to DIN EN 6988
- Resistance to cyclic salt spray is tested according to IEC 68-2-52, severity level 2
- Salt spray testing according to DIN EN ISO 9227, method NSS, period of test 480 hours

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000437
ETIM 5.0/6.0 Class-Description:
Housing for industrial connectors



Material

Housing: nickel-plated zinc die-casting
Lever and bolts: stainless steel
Sealing: NBR
Cable gland
Body: nickel-plated brass
Insert: PA
Seal: special elastomer



Protection rating

IP 65
NEMA 250, UL50E: 12, 4, 4X (latched)



Temperature range

-40°C to +100°C

Article number	Article description	Clamping range in mm	Minimum Ø above braiding (mm)	Pieces / PU
H-B housing: panel-mount base (single lever)				
70250206	ULTRA H-B 6 AG LB			1
H-B housing: surface-mount base (1 cable entry, single lever)				
70250207	ULTRA H-B 6 SGR LB 6-13	6 - 13		1
70250268	ULTRA H-B 6 SGR LB 6-13 BRUSH	6 - 13	6	1
70250208	ULTRA H-B 6 SGR LB 9-17	9 - 17		1
70250209	ULTRA H-B 6 SGR LB 9-17 BRUSH	9 - 17	6	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-B 6 Hood and cable coupler hood

The robust and reliable industry connector housing



Info

- Non-slip ridges for comfortable disconnecting
- High version: More interior space for wiring

Benefits

- The smallest housing out of the H-B series. For inserts with high electrical properties

Application range

- Plant engineering
- Control engineering
- Plastics industry

Product features

- Hood with bolts for single lever
- Cable coupler hood with single lever
- Standard and high version
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A 10 to select the required inserts and housings

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)



Temperature range

-40°C to +100°C,
short-term up to +125°C

Illustration	High design	Neck	PU	Dimensions							
				M 20	M 16	M 25	M 32	PG 13.5	PG 16	PG 21	PG 29
Hood											
		yes	10					10011000	10021000		
			10	19011000		19021000					
		yes	10	19012000		19022000		10012000	10022000		
	yes	yes	10							70020200	70020400
	yes		10	79020100	79020000	79020200	79020400				
	yes	yes	10							70022200	70022400
	yes		10			79022200	79022400				
Cable coupler hood											
		yes	10					10014000	10024000		
			10	19014000		19024000					
	yes	yes	10							70010200	70010400
	yes		10			79010200					

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-B 6 Panel-mount- and surface-mount base

The robust and reliable industry connector housing



Info

- Non-slip ridges for comfortable disconnecting
- High version: More interior space for wiring

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Benefits

- The smallest housing out of the H-B series.
For inserts with high electrical properties

Application range

- Plant engineering
- Control engineering
- Plastics industry

Product features

- Panel-mount base incl. flat gasket included
- Version with metal cover
- Surface-mount base with 1 or 2 cable outlets
- Standard and high version
- With single lever

Suitable inserts

- Refer to Selection Table A 10 to select the required inserts and housings

Illustration	High design	Cable entry	PU	Dimensions						
				AG	M 20	M 25	M 32	PG 16	PG 21	PG 29
Panel-mount base										
			10	10004000						
			10	10003000						
Surface-mount base										
		1	10		19007000	79015600		10007000		
		2	10		19009000	79016600		10009000		
	yes	1	10			79015200	79015400		70015200	
	yes	2	10			79016200	79016400		70016200	
		1	10		19005000	79005600		10005000		
		2	10		19006000	79006600		10006000		
	yes	1	10			79005200	79005400		70005200	70005400
	yes	2	10			79006200	79006400		70006200	

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® ULTRA H-B 10 TS QB

The robust and reliable industry connector housing as EMC version



Info

- EMC protection
- Corrosion-resistant
- SKINTOP® integrated cable gland



Info

- EMC protection
- Corrosion-resistant

EPIC® ULTRA H-B 10 AG QB

The robust and reliable industry connector housing as EMC version



Benefits

- Optimum, low-resistance 360° screening
- All-purpose due to high corrosion resistance and high environmental protection.
- Space-saving due to compact dimensions
- Faster than any other comparable system
- High mechanical resistance

Application range

- In EMC-sensitive environments
- For fixed and flexible applications (e.g. machinery building, wind turbines)
- Construction machinery
- Electric motor manufacturing

Product features

- Housings with the BRUSH addition come with BRUSH cable screen contacting
- Pluggable with standard housings
- Corrosion-resistant according to DIN EN 6988
- Resistance to cyclic salt spray is tested according to IEC 68-2-52, severity level 2
- Salt spray testing according to DIN EN ISO 9227, method NSS, period of test 480 hours

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000437
ETIM 5.0/6.0 Class-Description:
Housing for industrial connectors



Material

Housing: nickel-plated zinc die-casting
Lever and bolts: stainless steel
Sealing: NBR
Cable gland
Body: nickel-plated brass
Insert: PA
Seal: special elastomer



Protection rating

IP 68
NEMA 250, UL50E: 12, 4, 4X (latched)



Temperature range

-40°C to +100°C

Article number	Article description	Clamping range in mm	Minimum Ø above braiding (mm)	Pieces / PU
H-B housing: hood (side cable entry, bolts for double lever)				
70250210	ULTRA H-B 10 TS QB 7-15	7 - 15		1
70250265	ULTRA H-B 10 TS QB 7-15 BRUSH	7 - 15	8	1
70250211	ULTRA H-B 10 TS QB 11-21	11 - 21		1
70250212	ULTRA H-B 10 TS QB 11-21 BRUSH	11 - 21	8	1
H-B housing: panel-mount base (double lever)				
70250213	ULTRA H-B 10 AG QB			1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-B 10 Hood and cable coupler hood

The robust and reliable industry connector housing

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65
NEMA 250, UL50E: 12, 4 (latched)



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Benefits

- The smallest housing with single and double lever. The right housing is available for every application

Application range

- Plant engineering
- Light & sound technology
- Plastics industry



Info

- Protection rating UL50E tested
- Non-slip ridges for comfortable disconnecting
- High version: More interior space for wiring

Product features

- Hood and cable coupler hood
- Standard and high version
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A 10 to select the required inserts and housings

Illustration	High design	Neck	PU	Dimensions					
				M 20	M 25	M 32	PG 16	PG 21	PG 29
Hood									
		yes	10				10040000	10040100	
		yes	10				10041000		
		yes	10	19042000	19042100		10042000	10042100	
		yes	10	19045000	79057700		10045000		
	yes	yes	10					70050400	70050600
	yes		10		79050400	79050600			
	yes	yes	10					70057200	70057400
	yes		10		79057200				
	yes	yes	10					70052400	70052600
	yes		10		79052400	79052600			
			10	19041000	79055700				
	yes	yes	10					70055200	70055400
	yes		10		79055200	79055400			
			10	19040000	19040100				
Cable coupler hood									
		yes	10				10046000	70040200	
			10	19046000	79040200				
	yes	yes	10					70040400	70040600
	yes		10		79040400	79040600			

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-B 10 Hood and cable coupler hood

The robust and reliable industry connector housing



Info

- Single Lever version for quick locking and simple unlocking with lifting aid
- Non-slip ridges for comfortable disconnecting
- High version: More interior space for wiring

Benefits

- The smallest housing with single and double lever. The right housing is available for every application

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

- Hood with reels for single lever
- Cable coupler hood with single lever
- Standard and high version
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65
NEMA 250, UL50E: 12, 4 (latched)



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Illustration	High design	Neck	PU	Dimensions					
				M 20	M 25	M 32	PG 16	PG 21	PG 29
Hood									
		yes	10				10040900	10040900	
		yes	10	19042900	19042800		10042900	10042800	
	yes	yes	10					70044200	70044400
	yes		10		79044200	79044400			
	yes	yes	10					70054200	70054400
	yes		10		79054200	79054400			
Cable coupler hood									
		yes	10				10046900	70042200	
			10	19046900	79042200				
	yes	yes	10					70042400	70042600
	yes		10		79042400	79042600			

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-B 10 Panel-mount- and surface-mount base

The robust and reliable industry connector housing

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65
NEMA 250, UL50E: 12, 4 (latched)



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Benefits

- The smallest housing with single and double lever. The right housing is available for every application

Application range

- Plant engineering
- Light & sound technology
- Plastics industry



Info

- Protection rating UL50E tested

Product features

- Panel-mount base, flat gasket included
- Surface-mount base with 1 or 2 cable outlets
- Standard and high version
- Double lever or bolts for double lever
- Version with metal cover

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Illustration	High design	Cable entry	PU	Dimensions						
				AG	M 20	M 25	M 32	PG 16	PG 21	PG 29
Panel-mount base										
			10	10033000						
			10	10032000						
Surface-mount base										
		1	10		19036000	19036100		10036000		
		2	10		19038000	79046600		10038000		
	yes	1	5			79045200			70045200	70045400
	yes	2	5			79046200	79046400		70046200	

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-B 10 Panel-mount- and surface-mount base

The robust and reliable industry connector housing

Benefits

- The smallest housing with single and double lever. The right housing is available for every application

Application range

- Plant engineering
- Drive systems
- Light & sound technology
- Plastics industry

Product features

- Panel-mount base incl. flat gasket included
- Surface-mount base with 1 or 2 cable outlets
- Standard and high version
- Version with metal cover
- With single lever

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65
NEMA 250, UL50E: 12 (latched)



Temperature range

-40°C to +100°C,
short-term up to +125°C

Illustration	High design	Cable entry	PU	Dimensions						
				AG	M 20	M 25	M 32	PG 16	PG 21	PG 29
Panel-mount base										
			10	10033900						
			10	10032900						
Surface-mount base										
	yes	1	5			79064200	79064400		70064200	70064400
	yes	2	5			79065200	79065400		70065200	70065400
		2	10		19038900	79065600		10038900		
		1	10		19036900	79064600		10036900		
	yes	1	10			79060200	79060400		70060200	70060400
	yes	2	10			79061200	79061400		70061200	70061400
		1	10		19034900	19034700		10034900	10034700	
		2	10		19035900	79061600		10035900		

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® ULTRA H-B 16 TS QB

The robust and reliable industry connector housing as EMC version



Info

- EMC protection
- Corrosion-resistant
- SKINTOP® integrated cable gland

EPIC® ULTRA H-B 16 AG QB

The robust and reliable industry connector housing as EMC version



Info

- EMC protection
- Corrosion-resistant

Benefits

- Optimum, low-resistance 360° screening
- All-purpose due to high corrosion resistance and high environmental protection.
- Space-saving due to compact dimensions
- Faster than any other comparable system
- High mechanical resistance

Application range

- Construction machinery
- In EMC-sensitive environments
- For fixed and flexible applications (e.g. machinery building, wind turbines)
- Electric motor manufacturing

Product features

- Housings with the BRUSH addition come with BRUSH cable screen contacting
- Pluggable with standard housings
- Corrosion-resistant according to DIN EN 6988
- Resistance to cyclic salt spray is tested according to IEC 68-2-52, severity level 2
- Salt spray testing according to DIN EN ISO 9227, method NSS, period of test 480 hours

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000437
ETIM 5.0/6.0 Class-Description:
Housing for industrial connectors



Material

Housing: nickel-plated zinc die-casting
Lever and bolts: stainless steel
Sealing: NBR
Cable gland
Body: nickel-plated brass
Insert: PA
Seal: special elastomer



Protection rating

IP 68
NEMA 250, UL50E: 12, 4, 4X (latched)



Temperature range

-40°C to +100°C

Article number	Article description	Clamping range in mm	Minimum Ø above braiding (mm)	Pieces / PU
H-B housing: hood (side cable entry, bolts for double lever)				
70250214	ULTRA H-B 16 TS QB 7-15	7 - 15		1
70250264	ULTRA H-B 16 TS QB 7-15 BRUSH	7 - 15	8	1
70250215	ULTRA H-B 16 TS QB 11-21	11 - 21		1
70250216	ULTRA H-B 16 TS QB 11-21 BRUSH	11 - 21	8	1
H-B housing: panel-mount base (double lever)				
70250217	ULTRA H-B 16 AG QB			1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-B 16 Hood and cable coupler hood

The robust and reliable industry connector housing



Info

- Protection rating UL50E tested
- Non-slip ridges for comfortable disconnecting
- High version: More interior space for wiring

Benefits

- The smallest housing with single and double lever. The right housing is available for every application

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

- Hood and cable coupler hood
- Standard and high design
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65
NEMA 250, UL50E: 12, 4 (latched)



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Illustration	High design	Neck	PU	Dimensions						
				M 25	M 32	M 40	M 2 x 25	M 2 x 32	PG 21	PG 29
Hood										
		yes	5						10080000	10090000
			5	19080000	19090000					
		yes	5						10081000	
			5	19081000						
	yes	yes	5						70105200	70105400
	yes		5	79105200	79105400					
	yes	yes	5						70100200	70100400
	yes		5	79100200	79100400	79100800				
		yes	5	19082000	19092000				10082000	10092000
		yes	5	19083000					10083000	
	yes	yes	5						70107200	70107400
	yes		5	79107200	79107400					
	yes	yes	5						70102200	70102400
	yes		5	79102200	79102400	79102800				
		yes	5				19080500			
	yes		5				44422018	79128600		
Cable coupler hood										
		yes	5						10086000	
			5	19086000						
	yes	yes	5						70090200	70090400
	yes		5					79090401		
	yes		5	79090200	79090400					

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-B 16 Hood and cable coupler hood

The robust and reliable industry connector housing



Info

- Non-slip ridges for comfortable disconnecting
- Single Lever version for quick locking and simple unlocking with lifting aid
- High version: More interior space for wiring

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65 (latched)
UL50 Type 12 (latched) or higher



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Benefits

- The housing standard. Wide choice for all applications

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

- Hood with reels for single lever
- Cable coupler hood with single lever
- Standard and high version
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Illustration	High design	Neck	PU	Dimensions				
				M 25	M 32	M 40	PG 21	PG 29
Hood								
	yes	yes	5				70094200	70094400
	yes		5	79094200	79094400	79094600		
		yes	5				10080900	
			5	19080900				
	yes	yes	5				70104200	70104400
		yes	5	19082900	19092900		10082900	10092900
	yes		5	79104200	79104400	79104800		
Cable coupler hood								
	yes	yes	5				70092200	70092400
	yes		5	79092200	79092400			
		yes	5				10086900	
			5	19086900				

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-B 16 Panel-mount- and surface-mount base

The robust and reliable industry connector housing



Info

- Protection rating UL50E tested
- Non-slip ridges for comfortable disconnecting
- High version: More interior space for wiring

Benefits

- The smallest housing with single and double lever. The right housing is available for every application

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

- Panel-mount base, flat gasket included
- Surface-mount base with 1 or 2 cable outlets
- Standard and high version
- Double lever or bolts for double lever
- Version with metal cover

Suitable inserts

- Refer to Selection Table A 10 to select the required inserts and housings

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65
NEMA 250, UL50E: 12, 4 (latched)



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Illustration	High design	Cable entry	PU	Dimensions				
				AG	M 25	M 32	PG 21	PG 29
Panel-mount base								
			5	10073000				
			5	10072000				
Surface-mount base								
		1	5		19076000		10076000	
		2	5		79096000		70096000	
	yes	1	5		79095200	79095400	70095200	70095400
	yes	2	5		79096200	79096400	70096200	
		1	5		19074000		10074000	
		2	5		19075000		10075000	
	yes	1	5		79085200	79085400	70085200	70085400
	yes	2	5		79086200	79086400	70086200	70086400

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-B 16 Panel-mount- and surface-mount base

The robust and reliable industry connector housing



Info

- Metal lid with sturdy hinge
- Single Lever version for quick locking and simple unlocking with lifting aid
- High version: More interior space for wiring

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65
NEMA 250, UL50E: 12 (latched)



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Benefits

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

- Panel-mount base, straight entry, flat gasket included
- Surface-mount base with 1 or 2 cable outlets
- Standard and high version
- Version with metal cover
- With single lever

Suitable inserts

- Refer to Selection Table A 10 to select the required inserts and housings

Illustration	High design	Cable entry	PU	Dimensions				
				AG	M 25	M 32	PG 21	PG 29
Panel-mount base								
			5	10073900				
			5	10072900				
Surface-mount base								
	yes	1	5		79114200	79114400	70114200	70114400
	yes	2	5		79115200	79115400	70115200	70115400
		1	5		19076900		10076900	
		2	5		19078900		10078900	
	yes	1	5		79110200	79110400	70110200	70110400
	yes	2	5		79111200	79111400	70111200	70111400
		1	5		19074900		10074900	
		2	5		19075900		10075900	

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® ULTRA H-B 24 TS QB

The robust and reliable industry connector housing as EMC version



EPIC® ULTRA H-B 24 AG QB

The robust and reliable industry connector housing as EMC version



Info

- EMC protection
- Corrosion-resistant
- SKINTOP® integrated cable gland



Info

- EMC protection
- Corrosion-resistant

Benefits

- Optimum, low-resistance 360° screening
- All-purpose due to high corrosion resistance and high environmental protection.
- Space-saving due to compact dimensions
- Faster than any other comparable system
- High mechanical resistance

Application range

- In EMC-sensitive environments
- For fixed and flexible applications (e.g. machinery building, wind turbines)
- Construction machinery
- Electric motor manufacturing

Product features

- Housings with the BRUSH addition come with BRUSH cable screen contacting
- Pluggable with standard housings
- Corrosion-resistant according to DIN EN 6988
- Resistance to cyclic salt spray is tested according to IEC 68-2-52, severity level 2
- Salt spray testing according to DIN EN ISO 9227, method NSS, period of test 480 hours

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000437
ETIM 5.0/6.0 Class-Description:
Housing for industrial connectors



Material

Housing: nickel-plated zinc die-casting
Lever and bolts: stainless steel
Sealing: NBR
Cable gland
Body: nickel-plated brass
Insert: PA
Seal: special elastomer



Protection rating

IP 65
NEMA 250, UL50E: 12 (latched)



Temperature range

-40°C to +100°C

Article number	Article description	Clamping range in mm	Minimum Ø above braiding (mm)	Pieces / PU
H-B housing: hood (side cable entry, bolts for double lever)				
70250219	ULTRA H-B 24 TS QB 7-15	7 - 15		1
70250263	ULTRA H-B 24 TS QB 7-15 BRUSH	7 - 15	8	1
70250220	ULTRA H-B 24 TS QB 11-21	11 - 21		1
70250221	ULTRA H-B 24 TS QB 11-21 BRUSH	11 - 21	8	1
H-B housing: panel-mount base (double lever)				
70250222	ULTRA H-B 24 AG QB			1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-B 24 Hood and cable coupler hood

The robust and reliable industry connector housing

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65 (latched)



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Benefits

- Ideal for many applications due to a wide range of housings and inserts

Application range

- Plant engineering
- Light & sound technology
- Plastics industry



Info

- Protection rating UL50E tested
- Non-slip ridges for comfortable disconnecting
- High version: More interior space for wiring

Product features

- Standard and high version
- Versions with / without neck
- Hood and cable coupler hood

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Illustration	High design	Neck	PU	Dimensions						
				M 25	M 32	M 40	M 2 x 25	M 2 x 32	PG 21	PG 29
Hood										
		yes	5						10121000	10111000
			5	19121000	19111000	19111500				
		yes	5						10122000	10112000
			5	19122000	19112000					
	yes	yes	5						70155400	70155600
	yes		5	79155400	79155600					
	yes	yes	5						70150400	70150600
	yes		5	79150400	79150600	79150800				
	yes		5	79157400	79157600					
	yes	yes	5						70152400	70152600
	yes		5	79152400	79152600	79152800				
	yes	yes	5						70157400	70157600
		yes	5	19113000	19123000				10113000	10123000
		yes	5	19114000	19124000				10114000	10124000
		yes	5				44422019	44422020		
	yes		5				44422021	79178500		
Cable coupler hood										
		yes	5						10127000	10117000
			5	19127000	19117000					
	yes	yes	5						70140400	70140600
	yes		5	79140400	79140600					

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-B 24 Hood and cable coupler hood

The robust and reliable industry connector housing



Info

- Single Lever version for quick locking and simple unlocking with lifting aid
- High version: More interior space for wiring

Benefits

- Ideal for many applications due to a wide range of housings and inserts

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

- Hood with reels for single lever
- Cable coupler hood with single lever
- Standard and high version
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65 (latched)



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Illustration	High design	Neck	PU	Dimensions				
				M 25	M 32	M 40	PG 21	PG 29
Hood								
		yes	5				10121900	10111900
			5	19121900	19111900			
		yes	5	19113900	19123900		10113900	10123900
	yes	yes	5				70144400	70144600
	yes		5	79144400	79144600	79144800		
	yes	yes	5				70154400	70154600
	yes		5	79154400	79154600	79154800		
Cable coupler hood								
	yes	yes	5				70142400	
	yes		5	79142400	79142600			
			5	19127900	19117900			
		yes	5				10127900	10117900

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-B 24 Panel-mount- and surface-mount base

The robust and reliable industry connector housing



Info

- Protection rating UL50E tested
- Non-slip ridges for comfortable disconnecting
- High version: More interior space for wiring

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65 (latched)
NEMA 250, UL50E: 12 (latched) or higher



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Benefits

- Ideal for many applications due to a wide range of housings and inserts

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

- Panel-mount base, flat gasket included
- Surface-mount base with 1 or 2 cable outlets
- Standard and high version
- Double lever or bolts for double lever
- Version with metal cover

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Illustration	High design	Cable entry	PU	Dimensions				
				AG	M 25	M 32	PG 21	PG 29
Panel-mount base								
			5	10103000				
			5	10102000				
Surface-mount base								
		1	5		10107000		10107000	
		2	5		19109000		10109000	
	yes	1	5			79145400	70145200	70145400
	yes	2	5			79146400	70146200	70146400
		1	5		19104000		10104000	
		2	5		19105000		10105000	
	yes	1	5		79135200	79135400	70135200	70135400
	yes	2	5		79136200	79136400	70136200	70136400

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-B 24 Panel-mount- and surface-mount base

The robust and reliable industry connector housing



Info

- Single Lever version for quick locking and simple unlocking with lifting aid
- Metal lid with sturdy hinge
- High version: More interior space for wiring

Benefits

- Ideal for many applications due to a wide range of housings and inserts

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

- Panel-mount base, straight entry, flat gasket included
- Surface-mount base with 1 or 2 cable outlets
- Standard and high version
- Version with metal cover
- With single lever

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65
NEMA 250, UL50E: 12 (latched)



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Illustration	High design	Cable entry	PU	Dimensions				
				AG	M 25	M 32	PG 21	PG 29
Panel-mount base								
			5	10103900				
			5	10102900				
Surface-mount base								
	yes	1	5		79164200	79164400	70164200	70164400
	yes	2	5		79165200	79165400	70165200	70165400
		1	5		19107900		10107900	
		2	5		19109900		10109900	
	yes	1	5		79160200	79160400	70160200	70160400
	yes	2	5		79161200	79161400	70161200	70161400
		1	5		19104900		10104900	
		2	5		19105900		10105900	

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-B 32 Housings

The robust and reliable industry connector housing



Info

- Double lever version with 2 levers for increased safety
- Non-slip ridges for comfortable disconnecting

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65 (latched)



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40 °C to +100 °C,
short-term up to +125 °C

Benefits

- Two inserts in one housing. With two levers for high safety

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

- Hood
- Gerade Panel-mount base, straight entry, flat gasket included
- Surface-mount base with 1 or 2 cable outlets

Suitable inserts

- The H-B 32 housings can also be assembled with 2 different inserts of size H-B 16
- Refer to Selection Table A10 to select the required inserts and housings

Illustration	Neck	Cable entry	PU	Dimensions							
				AG	M 2 x 25	M 2 x 32	M 25	M 32	M 40	PG 21	PG 29
Hood											
			5		44422022	44422023					
	yes		5							10133000	10134000
			5					19134000	19134400		
	yes		5							10135000	10136000
			5				19135000	19136000	19136200		10135600
Cable coupler hood											
	yes		5								10139500
			5					19139500			
Panel-mount base											
			5	10132000							
Surface-mount base											
		1	5					19137000	19146400		10137000
		2	5					19138000	19145400		10138000

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® H-B 48 Housings

The robust and reliable industry connector housing

Benefits

- The large, robust housing for two inserts in one connector. Power and data in a single connector

Application range

- Plant engineering
- Plastics industry

Product features

- Panel-mount base, straight entry, flat gasket included
- Surface-mount base with 1 or 2 cable outlets
- Versions with / without neck
- Version with plastic cover
- With single lever

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65 (latched)



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Illustration	Neck	Cable entry	PU	Dimensions						
				M 32	M 40	M 50	AG	PG 29	PG 36	PG 42
Hood										
	yes		1					10155000	10156000	10157000
			1	19155000	19156000	19157000			10156200	
	yes		1					10158000	10159000	10160000
			1	19158000	19159000	19160000			10159200	
Panel-mount base										
			1				10152000			
			1				10161000			
Surface-mount base										
		1	1	19165000	19165100			10165000	10165100	
		2	1	19166000	19166100			10166000	10166100	
		1	1	19167000	19167100			10167000	10167100	
		2	1	19168000	19168100			10168000	10168100	

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EPIC® Docking frame



Info

- Mounting system for control cabinets
- For float-mounting fixing of the inserts

Application range

- Control cabinet manufacturing
- Wind power plants

Product features

- Scope of delivery per packaging unit:
2 frames with 8 screws
- Special screws adapted to frame
- Pull-In range in x and y axis: + - 1,5mm

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002312

ETIM 5.0/6.0 Class-Description:
Contact insert holder for industrial connectors



Material

Docking frame: stainless steel
Screws: steel zinc plated



Cycle of mechanical operation
500

Article number	Article description	Version	Pieces / PU
EPIC® Docking frame			
44429440	H-B 6 DF	4 fixing screws each included	2
44429441	H-B 10 DF	4 fixing screws each included	2
44429442	H-B 16 DF	4 fixing screws each included	2
44429443	H-B 24 DF	4 fixing screws each included	2

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EPIC® QUICK & EASY Mounting system



Info

- Mounting system for control cabinets

Application range

- Control cabinet manufacturing

Product features

- For mounting inserts on top-hat rails according to DIN EN 50022
- Available as a complete set or as single parts (top part for use as a cable connector, bottom part for mounting on a top-hat rail)
- QUICK & EASY top parts are available in housing types H-B 6, H-B 10, H-B 16, H-B 24. The suitable size (number of contacts) of the different insert types are listed at the connector housings (H-B 6 ..H-B 24)

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002312

ETIM 5.0/6.0 Class-Description:
Contact insert holder for industrial connectors



Flammability

UL94 V-0



Cycle of mechanical operation
50

Article number	Article description	Material	Version	Pieces / PU
QUICK & EASY complete set				
10027000	EPIC® H-B 6 Q+E Set	Polycarbonate	Complete, for inserts size H-B 6	1
10027100	EPIC® H-B 10 Q+E Set	Polycarbonate	Complete, for inserts size H-B 10	1
10027200	EPIC® H-B 16 Q+E Set	Polycarbonate	Complete, for inserts size H-B 16	1
10027300	EPIC® H-B 24 Q+E Set	Polycarbonate	Complete, for inserts size H-B 24	1
QUICK & EASY top part				
10027410	EPIC® H-B 6 Q+E top part	Polycarbonate	For inserts size H-B 6	10
10027510	EPIC® H-B 10 Q+E top part	Polycarbonate	For inserts size H-B 10	10
10027610	EPIC® H-B 16 Q+E top part	Polycarbonate	For inserts size H-B 16	10
10027710	EPIC® H-B 24 Q+E top part	Polycarbonate	For inserts size H-B 24	10
QUICK & EASY bottom part				
10027810	EPIC® H-B 6-24 Q+E bottom part	Polycarbonate	For inserts size H-B 6 - 24	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® Flat gaskets for housings H-A and H-B



EPIC® Fixing screws



Application range

- Accessories for an effective use of EPIC® rectangular connectors

Product features

EPIC® Flat gaskets for housings H-A and H-B

- Flat gaskets as spare parts for panel-mount base

EPIC® Fixing screws

- Spare parts for fastening inserts in H-A 3 housings

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000437

ETIM 5.0/6.0 Class-Description:
Housing for industrial connectors

Article number	Article description	Pieces / PU
Flat gasket for panel-mount base H-A		
10607100	Flat gasket for panel-mount base H-A 3	10
10607200	Flat gasket for panel-mount base H-A 10	10
10607300	Flat gasket for panel-mount base H-A 16	10
10607600	Flat gasket for panel-mount base H-A 32	10
Flat gasket for panel-mount base H-B		
10051000	Flat gasket for panel-mount base H-B 6	10
10051200	Flat gasket for panel-mount base H-B 10	10
10051400	Flat gasket for panel-mount base H-B 16	10
10051600	Flat gasket for panel-mount base H-B 24	10
10052000	Flat gasket for panel-mount base H-B 32/H-A 48	10
10052200	Flat gasket for panel-mount base H-B 48	10
Fastening screws		
44423017	Screw with O-ring for EPIC H-A 3/4, H-D7/8, H-Q 5	10
44423041	Screw with O-ring for EPIC H-A 3/4, H-D7/8, H-Q 5	10
44423018	EPIC® STA Screw	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® Coding parts



Application range

- Accessories for an effective use of EPIC® rectangular connectors

Product features

- For rectangular connector inserts, the key pin replaces one or more fastening screws. This enables simple coding.
- In rectangular connector inserts, the guide pin replaces the fastening screws on one side and on the other side the guide socket

replaces the screw. This enables a lot of coding possibilities. Also the connector gets a perfect guiding and prevents a skew mating.

- With these inserts, the H-A 3/H-A 4 Codepin is pressed into a socket contact. The corresponding pin contact is removed, meaning one electrical contact will be lost.

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002311

ETIM 5.0/6.0 Class-Description:
Coding for industrial connectors

Article number	Article description	Pieces / PU
EPIC® H-A 3/4 Code pin		
10451400	EPIC® H-A 3/4 Code pin	50
Key pin		
10019000	EPIC® Key pin	50
Guide pin, guide socket		
11281000	EPIC® Guide socket	50
11280000	EPIC® Guide pin	50
EPIC® H-Q 12 Codepin		
44424052	EPIC® H-Q 12 Key Pin	20

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® Protective cover H-A 3



EPIC® Protective cover H-A



EPIC® Protective cover H-B



Technical data

Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC002314
ETIM 5.0/6.0 Class-Description: Cap
for industrial connectors

Product features

EPIC® Protective cover H-A 3

- Protective cover made of thermoplastics and metal for H-A 3 housings
- Retaining cord with cable lug for attachment with screw on mounting base or wall
- Retaining cord with variable loop for attachment to the cable

EPIC® Protective cover H-A

- Retaining cord with cable lug for attachment with screw on mounting base or wall
- Retaining cord with variable loop for attachment to the cable
- Protective cover made of thermoplastics for H-A 10, H-A 16, H-A 32, H-A 48 housings

EPIC® Protective cover H-B

- Retaining cord with cable lug for attachment with screw on mounting base or wall
- Retaining cord with variable loop for attachment to the cable
- Protective cover made of thermoplastics for H-B 6, H-B 10, H-B 16, H-B 24, H-B 32 housings

Article number	Article description	Version	Bolts	Securing cord	Clamp	Material	Pieces / PU
For H-A 3 panel-mount base, surface-mount base, cable coupler hood with male or female inserts							
10513000	H-A 3 MDBF-S	for housing H-A 3 with male inserts	2	with cable lug		Metal	10
10513100	H-A 3 MDBF-B	for housing H-A 3 with female inserts	2	with cable lug		Metal	10
For H-A 3 panel-mount base, surface-mount base, cable coupler hood with male inserts							
10430000	H-A 3 KDB-S	for housing H-A 3 with male inserts	2			Plastic	10
10430400	H-A 3 KDBF-S	for housing H-A 3 with male inserts	2	with cable lug		Plastic	10
For H-A 3 panel-mount base, surface-mount base, cable coupler hood with female inserts							
10430300	H-A 3 KDB-B	for housing H-A 3 with female inserts	2			Plastic	10
10430100	H-A 3 KDBF-B	for housing H-A 3 with female inserts	2	with cable lug		Plastic	10
with bolts for H-A 10-32 panel-mount base, surface-mount base, cable coupler hood							
10457700	H-A 10 KDB	for housing H-A 10	2	-		Plastic	5
10469700	H-A 16 KDB	for housing H-A 16	2			Plastic	5
10481700	H-A 32 KDB	for housing H-A 32	4			Plastic	5
10457500	H-A 10 KDBF	for housing H-A 10	2	with cable lug		Plastic	5
10469500	H-A 16 KDBF	for housing H-A 16	2	with cable lug		Plastic	5
10481500	H-A 32 KDBF	for housing H-A 32	4	with cable lug		Plastic	10
with lever for H-A 10-32 hoods							
10457800	H-A 10 KDT	for H-A 10 hood			2 snap-in hooks	Plastic	5
10469800	H-A 16 KDT	for H-A 16 hood			2 snap-in hooks	Plastic	5
10481800	H-A 32 KDT	for H-A 32 hood			4 snap-in hooks	Plastic	5
10457600	H-A 10 KDTF	for H-A 10 hood		with loop	2 snap-in hooks	Plastic	5
10469600	H-A 16 KDTF	for H-A 16 hood		with loop	2 snap-in hooks	Plastic	5
10481600	H-A 32 KDT	for H-A 32 hood		with loop	4 snap-in hooks	Plastic	10
with bolts for H-B 6-24 panel-mount base, surface-mount base, cable coupler hood							
10015000	H-B 6 KDB	for housing H-B 6	2	with loop		Plastic	10
10047000	H-B 10 KDB	for housing H-B 10	4	with loop		Plastic	10
10087000	H-B 16 KDB	for housing H-B 16	4	with loop		Plastic	5
10118000	H-B 24 KDB	for housing H-B 24	4	with loop		Plastic	5
with lever for H-B 6-24 hood with bolts							
10016500	H-B 6 KDT	for H-B 6 hood		with loop	Single lever	Plastic	10
10048500	H-B 10 KDT	for H-B 10 hood		with loop	Double Lever	Plastic	10
10088500	H-B 16 KDT	for H-B 16 hood		with loop	Double Lever	Plastic	5
10119500	H-B 24 KDT	for H-B 24 hood		with loop	Double Lever	Plastic	5
with bolts for H-B 6-24 hoods with levers							
10015100	H-B 6 KDBP	for H-B 6 hood	2	with loop		Plastic	10
10047100	H-B 10 KDBP	for H-B 10 hood	4	with loop		Plastic	10
10087100	H-B 16 KDBP	for H-B 16 hood	4	with loop		Plastic	10
10118100	H-B 24 KDBP	for H-B 24 hood	4	with loop		Plastic	5
with bolts for H-B 10-32 panel-mount base, surface-mount base, cable coupler hood							
10048700	H-B 10 KDBF	for housing H-B 10	2	with loop		Plastic	10
10088700	H-B 16 KDBF	for housing H-B 16	2	with loop		Plastic	10
10118700	H-B 24 KDBF	for housing H-B 24	2	with loop		Plastic	10
10118020	H-B 32 / H-A 48 KDBF	for housing H-B 32 / H-A 48	4	with loop		Plastic	10
with lever for H-B 10-24 hood with bolts							
10048600	H-B 10 KDTF	for H-B 10 hood		with loop	Single lever	Plastic	10
10088600	H-B 16 KDTF	for H-B 16 hood		with loop	Single lever	Plastic	10
10118600	H-B 24 KDTF	for H-B 24 hood		with loop	Single lever	Plastic	10

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EPIC® Cover plates



EPIC® Adapter plates for 1 D-Sub insert



EPIC® Adapter plates for 2 D-Sub inserts



EPIC® Locking levers for H-A, H-B



Technical data



Classification ETIM 5/6

EPIC® Cover plates

ETIM 5.0/6.0 Class-ID: EC002309

ETIM 5.0/6.0 Class-Description:

Adapter plate industrial connectors

EPIC® Adapter plates for 1 D-Sub insert

ETIM 5.0/6.0 Class-ID: EC002309

ETIM 5.0/6.0 Class-Description:

Adapter plate industrial connectors

EPIC® Adapter plates for 2 D-Sub inserts

ETIM 5.0/6.0 Class-ID: EC002309

ETIM 5.0/6.0 Class-Description:

Adapter plate industrial connectors

EPIC® Locking levers for H-A, H-B

ETIM 5.0/6.0 Class-ID: EC000437

ETIM 5.0/6.0 Class-Description:

Housing for industrial connectors

Similar products

EPIC® Cover plates

- SKINTOP® CUBE refer to page 722
- SKINTOP® CUBE MULTI refer to page 724
- SKINTOP® MULTI refer to page 721

Product features

EPIC® Cover plates

- For coverage of panel cut-outs for panel-mount base housings type H-A and H-B

EPIC® Adapter plates for 1 D-Sub insert

- For use of D-Sub inserts in H-B housings

EPIC® Adapter plates for 2 D-Sub inserts

- For use of D-Sub inserts in H-B housings

EPIC® Locking levers for H-A, H-B

- Locking levers as spare parts for H-A and H-B housings

Article number	Article description	Version	Material	Pieces / PU
Cover plates for mounting cut-out H-A and H-B				
71180200	H-A 3	for H-A 3 panel-mount base housing		10
10018920	H-B 6	for H-B 6 panel-mount base housing		10
10018921	H-B 10	for H-B 10 panel-mount base housing		10
10018922	H-B 16	for H-B 16 panel-mount base housing		10
10018923	H-B 24	for H-B 24 panel-mount base housing		10
Adapter plates for 1 D-Sub insert				
11764200	H-B 6 / M-D 9	for 1 x D-Sub 9-pin		10
11764202	H-B 6 / M-D 15	for 1 x D-Sub 15-pin		10
11764300	H-B 10 / M-D 25	for 1 x D-Sub 25-pin		10
11764400	H-B 16 / M-D 25	for 1 x D-Sub 25-pin		10
Adapter plates for 2 D-Sub inserts				
11764201	H-B 6 / 2xM-D 9	for 2 x D-Sub 9-pin		10
11764203	H-B 6 / 2xM-D 15	for 2 x D-Sub 15-pin		10
11764301	H-B 10 / 2xM-D 25	for 2 x D-Sub 25-pin		10
Single and double levers for H-A and H-B housings				
10458000	H-A 10 LB	single lever for H-A 10 housing	Steel	10
10468000	EPIC H-A 16 LB/H-B 32 QB	single lever for H-A 16 housing	Steel	10
10480100	H-A 32 QB	double lever for H-A 32 housing	Steel	10
10049000	H-B 10-24 QB	double lever for H-B 10 - 24 housing	Steel	10
10017000	H-B 6 LB	single lever for H-B 6 housing	Steel	10
10017100	H-B 6 LB-K	single lever for H-B 6 housing	Stainless steel	10
10049100	H-B 10-24 QB-K	double lever for H-A 32 housing	Stainless steel	10

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Similar products

EPIC® Cover plates

- SKINTOP® CUBE refer to page 722

- SKINTOP® CUBE MULTI refer to page 724

- SKINTOP® MULTI refer to page 721



EPIC® POWER M12 630V panel base

Circular connectors for servomotors and power supply



Benefits

- Standard M20 Version with screw contacts
- Small M16 Version with preharnessed wires
- High performance gold plated contacts

Application range

- Power Supply for small devices
- For 1-phase cables or 3-phase without N

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002635 ETIM 5.0/6.0 Class-Description: Circular connector (industrial connector)
	Rated voltage (V) 630 V
	Rated impulse voltage 6 kV
	Rated current (A) 12 A
	Pollution degree 3
	Contact resistance < 3 mOhm



Info

- Simply screw in given metric thread

Article number	Article description	Fastening type	Pieces / PU
EPIC® POWER M12 630V panel base			
44423144	Panel base with pin contacts	M20	1
44423145	Panel base with socket contacts	M20	1
44423146	Panel base with pin contacts	M16 (with wires 4xAWG16/0.2m)	1
44423147	Panel base with socket contacts	M16 (with wires 4xAWG16/0.2m)	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® POWER M12 630V cable connector

Circular connectors for servomotors and power supply



Benefits

- To terminate only screw driver is necessary
- Small and space-saving for narrow available space
- High performance gold plated contacts

Application range

- Power Supply for small devices
- For 1-phase cables or 3-phase without N

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002635 ETIM 5.0/6.0 Class-Description: Circular connector (industrial connector)
	Rated voltage (V) 630 V
	Rated impulse voltage 6 kV
	Rated current (A) 12 A
	Pollution degree 3



Info

- Smallest Power connector

Article number	Article description	Clamping range in mm	Pieces / PU
EPIC® POWER M12 630V cable connector			
44423140	Cable coupler with pin contacts	8 - 10	1
44423141	Cable connector with socket contacts	8 - 10	1
44423142	Cable coupler with pin contacts, angled	8 - 10	1
44423143	Cable connector with socket contacts, angled	8 - 10	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® POWER M17 A1

Circular connectors for servomotors and power supply



EPIC® POWER M17 A3

Circular connectors for servomotors and power supply



EPIC® POWER M17 G4

Circular connectors for servomotors and power supply



Info

- High Power with smallest space requirements



Info

- Rotateable with 310° cable outlet



Info

- For installation in existing hole

Suitable contacts:

- EPIC® M17 Contacts Page 638
- The contacts have to be ordered separately

Benefits

- Version with less contacts for higher current
- Sensor/ ac
- EMC protection

Application range

- Servo drives and servo assemblies
- Plant engineering, machinery manufacturing

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002635 ETIM 5.0/6.0 Class-Description: Circular connector (industrial connector)		Number of contacts 3+PE, 5+PE, 6+PE, 7+PE, 3+PE+5 Contacts: 3+PE(2mm), 5+PE(1mm), 6+PE(1mm), 7+PE(1mm), 3+PE+5(1mm/0.6mm)
	Rated voltage (V) 630V: 2mm and 1mm contacts 60V: 0.6mm contacts		Termination methods Crimp: 3+PE: 0.5-2.5mm², 5+PE/6+PE/7+PE: 0.06-1mm², 3+P+5: 0.06-1/0.06-0.5mm²
	Rated impulse voltage 6KV: 2mm and 1mm contacts 1.5KV: 0.6mm contacts		Material Housing: nickel-plated zinc die-casting, nickel-plated brass Insert: PA, Seal: FPM
	Rated current (A) 3+PE: 20A, 5+PE/6+PE/7+PE: 14A, 3+PE+5: 14A/3,6A		Protection rating IP 67
	Pollution degree 3		Cycle of mechanical operation 100
	Contacts Gold-plated brass		Temperature range -40°C to +125°C

Article number	Article description	Fastening type	Pin configuration	Pieces / PU
Type M17 A1, front wall mounting				
44423075	EPIC® M17 female	Ø 2.7 mm (4x)	3+PE (2mm contacts)	5
44423070	EPIC® M17 male	Ø 2.7 mm (4x)	3+PE (2mm contacts)	5
44423076	EPIC® M17 female	Ø 2.7 mm (4x)	5+PE (1mm contacts)	5
44423071	EPIC® M17 male	Ø 2.7 mm (4x)	5+PE (1mm contacts)	5
44423077	EPIC® M17 female	Ø 2.7 mm (4x)	6+PE (1mm contacts)	5
44423072	EPIC® M17 male	Ø 2.7 mm (4x)	6+PE (1mm contacts)	5
44423078	EPIC® M17 female	Ø 2.7 mm (4x)	7+PE (1mm contacts)	5
44423073	EPIC® M17 male	Ø 2.7 mm (4x)	7+PE (1mm contacts)	5
44423079	EPIC® M17 female	Ø 2.7 mm (4x)	3+PE+5 (1mm/0.6mm contacts)	5
44423074	EPIC® M17 male	Ø 2.7 mm (4x)	3+PE+5 (1mm/0.6mm contacts)	5
Type M17 A3, angled and rotateable				
44423085	EPIC® M17 female	Ø 2.7 mm (4x)	3+PE (2mm contacts)	5
44423080	EPIC® M17 male	Ø 2.7 mm (4x)	3+PE (2mm contacts)	5
44423086	EPIC® M17 female	Ø 2.7 mm (4x)	5+PE	5
44423081	EPIC® M17 male	Ø 2.7 mm (4x)	5+PE	5
44423087	EPIC® M17 female	Ø 2.7 mm (4x)	6+PE (1mm contacts)	5
44423082	EPIC® M17 male	Ø 2.7 mm (4x)	6+PE (1mm contacts)	5
44423088	EPIC® M17 female	Ø 2.7 mm (4x)	7+PE (1mm contacts)	5
44423083	EPIC® M17 male	Ø 2.7 mm (4x)	7+PE (1mm contacts)	5
44423089	EPIC® M17 female	Ø 2.7 mm (4x)	3+PE+5 (1mm/0.6mm contacts)	5
44423084	EPIC® M17 male	Ø 2.7 mm (4x)	3+PE+5 (1mm/0.6mm contacts)	5
Type M17 G4, front wall mounting				
44423095	EPIC® M17 female	M18x0,75 (order counternut separately)	3+PE (2mm contacts)	5
44423090	EPIC® M17 male	M18x0,75 (order counternut separately)	3+PE (2mm contacts)	5
44423099	EPIC® M17 female	M18x0,75 (order counternut separately)	5+PE (1mm contacts)	5
44423094	EPIC® M17 male	M18x0,75 (order counternut separately)	5+PE (1mm contacts)	5
44423096	EPIC® M17 female	M18x0,75 (order counternut separately)	6+PE (1mm contacts)	5
44423091	EPIC® M17 male	M18x0,75 (order counternut separately)	6+PE (1mm contacts)	5
44423097	EPIC® M17 female	M18x0,75 (order counternut separately)	7+PE (1mm contacts)	5
44423092	EPIC® M17 male	M18x0,75 (order counternut separately)	7+PE (1mm contacts)	5
44423098	EPIC® M17 female	M18x0,75 (order counternut separately)	3+PE+5 (1mm/0.6mm contacts)	5
44423093	EPIC® M17 male	M18x0,75 (order counternut separately)	3+PE+5 (1mm/0.6mm contacts)	5

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Accessories

EPIC® POWER M17 G4

- EPIC® M17 Accessories



EPIC® POWER M17 D6

Circular connectors for servomotors and power supply



EPIC® POWER M17 F6

Circular connectors for servomotors and power supply



Info

- High Power with smallest space requirements

Suitable contacts:

- EPIC® M17 Contacts Page 638
- The contacts have to be ordered separately

Benefits

- Sensor/ ac
- Version with less contacts for higher current
- EMC protection

Application range

- Servo drives and servo assemblies
- Plant engineering, machinery manufacturing

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002635
ETIM 5.0/6.0 Class-Description:
Circular connector (industrial connector)



Rated voltage (V)

630V: 2mm and 1mm contacts
60V: 0,6mm contacts

Rated impulse voltage

6KV: 2mm and 1mm contacts
1.5KV: 0.6mm contacts



Rated current (A)

3+PE: 20A, 5+PE/6+PE/7+PE: 14A,
3+PE+5: 14A/3,6A



Pollution degree

3



Contacts

Gold-plated brass



Number of contacts

3+PE, 5+PE, 6+PE, 7+PE, 3+PE+5
Contacts: 3+PE(2mm), 5+PE(1mm),
6+PE(1mm), 7+PE(1mm),
3+PE+5(1mm/0.6mm)



Termination methods

Crimp: 3+PE: 0.5-2.5mm²,
5+PE/6+PE/7+PE: 0.06-1mm², 3+PE+5:
0.06-1/0.06-0.5mm²



Material

Housing: nickel-plated zinc die-casting,
nickel-plated brass
Insert: PA,
Seal: FPM



Protection rating

IP 67



Cycle of mechanical operation

100



Temperature range

-40°C to +125°C

Article number	Article description	Clamping range in mm	Pin configuration	Pieces / PU
Type M17 D6, cable connector				
44423050	EPIC® M17 female	3.5 - 11	3+PE (2mm contacts)	5
44423055	EPIC® M17 male	3.5 - 11	3+PE (2mm contacts)	5
44423051	EPIC® M17 female	3.5 - 11	5+PE (1mm contacts)	5
44423056	EPIC® M17 male	3.5 - 11	5+PE (1mm contacts)	5
44423052	EPIC® M17 female	3.5 - 11	6+PE (1mm contacts)	5
44423057	EPIC® M17 male	3.5 - 11	6+PE (1mm contacts)	5
44423053	EPIC® M17 female	3.5 - 11	7+PE (1mm contacts)	5
44423058	EPIC® M17 male	3.5 - 11	7+PE (1mm contacts)	5
44423054	EPIC® M17 female	3.5 - 11	3+PE+5 (1mm/0.6mm contacts)	5
44423059	EPIC® M17 male	3.5 - 11	3+PE+5 (1mm/0.6mm contacts)	5
Type M17 F6, cable coupler				
44423065	EPIC® M17 female	3.5 - 11	3+PE (2mm contacts)	5
44423060	EPIC® M17 male	3.5 - 11	3+PE (2mm contacts)	5
44423066	EPIC® M17 female	3.5 - 11	5+PE (1mm contacts)	5
44423061	EPIC® M17 male	3.5 - 11	5+PE (1mm contacts)	5
44423067	EPIC® M17 female	3.5 - 11	6+PE (1mm contacts)	5
44423062	EPIC® M17 male	3.5 - 11	6+PE (1mm contacts)	5
44423068	EPIC® M17 female	3.5 - 11	7+PE (1mm contacts)	5
44423063	EPIC® M17 male	3.5 - 11	7+PE (1mm contacts)	5
44423069	EPIC® M17 female	3.5 - 11	3+PE+5 (1mm/0.6mm contacts)	5
44423064	EPIC® M17 male	3.5 - 11	3+PE+5 (1mm/0.6mm contacts)	5

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® SIGNAL M17 A1

Circular connectors for servomotors and power supply



Info

- Connector for shielded data cables

EPIC® SIGNAL M17 A3

Circular connectors for servomotors and power supply



Info

- Rotateable with 310° cable outlet

EPIC® SIGNAL M17 G4

Circular connectors for servomotors and power supply



Info

- For installation in existing hole

Technical data

Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC002635
ETIM 5.0/6.0 Class-Description:
Circular connector (industrial connector)

Rated voltage (V)
60 V

Rated impulse voltage
1.5 kV

Rated current (A)
3.6 A

Pollution degree
3

Contacts
Gold-plated brass

Number of contacts
Contacts: 8(1mm), 17(0.6mm)



Termination methods

Crimp termination: 0.06 - 0.56 mm²
(0.6mm contacts)
Crimp termination: 0.06 - 1.0 mm²
(1mm contacts)



Material

Housing: nickel-plated zinc die-casting,
nickel-plated brass
Insert: PA,
Seal: FPM



Protection rating

IP 67



Cycle of mechanical operation

100



Temperature range

-40 °C to +125 °C

Suitable contacts:

- EPIC® M17 Contacts Page 638
- The contacts have to be ordered separately

Benefits

- Sensor/ ac
- EMC protection

Application range

- Feedback / signal cables

Article number	Article description	Fastening type	Pin configuration	Pieces / PU
Type M17 A1, front wall mounting				
44423110	EPIC® M17 female	Ø 2.7 mm (4x)	8	5
44423108	EPIC® M17 male	Ø 2.7 mm (4x)	8	5
44423111	EPIC® M17 female	Ø 2.7 mm (4x)	17	5
44423109	EPIC® M17 male	Ø 2.7 mm (4x)	17	5
Type M17 A3, angled and rotateable				
44423114	EPIC® M17 female	Ø 2.7 mm (4x)	8	5
44423112	EPIC® M17 male	Ø 2.7 mm (4x)	8	5
44423115	EPIC® M17 female	Ø 2.7 mm (4x)	17	5
44423113	EPIC® M17 male	Ø 2.7 mm (4x)	17	5
Type M17 G4, front wall mounting				
44423118	EPIC® M17 female	M18x0,75 (order counternut separately)	8	5
44423116	EPIC® M17 male	M18x0,75 (order counternut separately)	8	5
44423119	EPIC® M17 female	M18x0,75 (order counternut separately)	17	5
44423117	EPIC® M17 male	M18x0,75 (order counternut separately)	17	5

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Accessories

EPIC® SIGNAL M17 G4

- EPIC® M17 Accessories



EPIC® SIGNAL M17 D6

Circular connectors for servomotors and power supply



EPIC® SIGNAL M17 F6

Circular connectors for servomotors and power supply



Info

- Connector for shielded data cables

Suitable contacts:

- EPIC® M17 Contacts Page 638
- The contacts have to be ordered separately

Benefits

- Sensor/ ac
- EMC protection

Application range

- Feedback / signal cables

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002635 ETIM 5.0/6.0 Class-Description: Circular connector (industrial connector)		Termination methods Crimp termination: 0.06 - 0.56 mm² (0,6mm contacts) Crimp termination: 0.06 - 1.0 mm² (1mm contacts)
	Rated voltage (V) 60 V		Material Housing: nickel-plated zinc die-casting, nickel-plated brass Insert: PA, Seal: FPM
	Rated impulse voltage 1.5 kV		Protection rating IP 67
	Rated current (A) 3.6 A		Cycle of mechanical operation 100
	Pollution degree 3		Temperature range -40°C to +125°C
	Contacts Gold-plated brass		
	Number of contacts Contacts: 8(1mm), 17(0.6mm)		

Article number	Article description	Clamping range in mm	Pin configuration	Pieces / PU
Type M17 D6, cable connector				
44423100	EPIC® M17 female	3.5 - 11	8	5
44423102	EPIC® M17 male	3.5 - 11	8	5
44423101	EPIC® M17 female	3.5 - 11	17	5
44423103	EPIC® M17 male	3.5 - 11	17	5
Type M17 F6, cable coupler				
44423106	EPIC® M17 female	3.5 - 11	8	5
44423104	EPIC® M17 male	3.5 - 11	8	5
44423107	EPIC® M17 female	3.5 - 11	17	5
44423105	EPIC® M17 male	3.5 - 11	17	5

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® M17 Contacts

Contacts, tools, accessories for circular connectors



EPIC® M17 Tools

Contacts, tools, accessories for circular connectors



Technical data



Classification ETIM 5/6

EPIC® M17 Contacts

ETIM 5.0/6.0 Class-ID: EC000796

ETIM 5.0/6.0 Class-Description:

Contact for industrial connectors

EPIC® M17 Tools

ETIM 5.0/6.0 Class-ID: EC000168

ETIM 5.0/6.0 Class-Description: Crimp

tool cable lugs, cable end sleeves,

screen connection

Article number	Article description	Version	Inserts	Version	Pieces / PU
0.6mm contacts female					
44423125	M17 BCM 0,6mm 0,06-0,25			0.06-0.25mm ²	10
44423126	M17 BCM 0.6mm 0.06-0.34			0.06-0.34mm ²	10
44423127	M17 BCM 0,6mm 0,34-0,5			0.34-0.5mm ²	10
1mm contacts female					
44423122	M17 BCM 1mm 0,06-0,25			0.06-0.25mm ²	10
44423123	M17 BCM 1mm 0.34-0.5			0.34-0.5mm ²	10
44423124	M17 BCM 1mm 0,5-1,0			0.5-1.0mm ²	10
2mm contacts female					
44423120	M17 BCM 2mm 0,25-1,0			0.25-1.0mm ²	10
44423121	M17 BCM 2mm 1,0-2,5			1.0-2.5mm ²	10
0.6mm contacts male					
44423133	M17 SCM 0,6mm 0,06-0,25			0.06-0.25mm ²	10
44423134	M17 SCM 0,6mm 0,06-0,34			0.06-0.34mm ²	10
44423135	M17 SCM 0,6mm 0,34-0,5			0.34-0.5mm ²	10
1mm contacts male					
44423130	M17 SCM 1mm 0,06-0,25			0.06-0.25mm ²	10
44423131	M17 SCM 1mm 0,34-0,5			0.34-0.5mm ²	10
44423132	M17 SCM 1mm 0,5-1,0				10
2mm contacts male					
44423128	M17 SCM 2mm 0,25-1,0			0.25-1.0mm ²	10
44423129	M17 SCM 2mm 1,0-2,5			1.0-2.5mm ²	10
Crimping tool					
44423136	Crimptool M17	Crimpzange with Locator for EPIC® M17	for EPIC® M17 POWER and SIGNAL		1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



Info

- Colour coding for easy connecting

EPIC® SIGNAL M23 A1

Circular connectors for Servo Cables and encoders



EPIC® SIGNAL M23 A1 D3.2

Circular connectors for Servo Cables and encoders



EPIC® SIGNAL M23 A3

Circular connectors for Servo Cables and encoders



Info

- Rotateable with clearly defined adjustment positions

Benefits

EPIC® SIGNAL M23 A1

- Safe fixing with 4 screws
- Permanent vibration protection

EPIC® SIGNAL M23 A1 D3.2

EPIC® SIGNAL M23 A3

- Housings are very flexible - cable connectors with wide clamping range, receptacle housings for assembling the inserts from the front and rear
- Permanent vibration protection

Application range

- Plant engineering
- Servo drives and servo assemblies
- Measurement and control technology

Product features

- Mounting: Ø2.7mm for screws M2.5.
Ø3.2mm for screws M3

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000437
ETIM 5.0/6.0 Class-Description:
Housing for industrial connectors



Material

Housing: nickel-plated zinc die-casting
Sealing: FPM



Protection rating

EPIC® SIGNAL M23 A1
IP68 (10h/ 1m)
EPIC® SIGNAL M23 A1 D3.2
IP68 (10h/ 1m)
EPIC® SIGNAL M23 A3
IP 65



VDE-tested

Certified production control:
VDE-REG. no. C24 (according to
EN 61984, SELV according to
DIN VDE 0100-410 has to be guaranteed)
UL File Number: E249137



Temperature range

-25°C up to +125°C

Article number	Article	Coding	Fastening type	Pieces / PU
Type M23 A1 panel-mount box, front wall mounting				
72004000	M23 A1	black (N)	Ø 2.7 mm (4x)	5
72004010	M23 A1	black (N)	Ø 2.7 mm (4x)	20
72004200	M23 A1	red (+20°)	Ø 2.7 mm (4x)	5
72004210	M23 A1	red (+20°)	Ø 2.7 mm (4x)	20
72004100	M23 A1	blue (-20°)	Ø 2.7 mm (4x)	5
72004110	M23 A1	blue (-20°)	Ø 2.7 mm (4x)	20
Type M23 A1 D3.2 panel-mount box, front wall mounting				
44420018	M23 A1 D3,2	black (N)	Ø 3.2 mm (4x)	5
44420017	M23 A1 D3,2	black (N)	Ø 3.2 mm (4x)	20
44420020	M23 A1 D3,2	red (+20°)	Ø 3.2 mm (4x)	5
44420019	M23 A1 D3,2	red (+20°)	Ø 3.2 mm (4x)	20
44420016	M23 A1 D3,2	blue (-20°)	Ø 3.2 mm (4x)	5
44420015	M23 A1 D3,2	blue (-20°)	Ø 3.2 mm (4x)	20
Type M23 A3 panel-mount connector, angled, rotatable, front wall mounting				
24420055	M23 A3	black (N)	Ø 2.7 mm (4x)	5
24420054	M23 A3	black (N)	Ø 2.7 mm (4x)	20

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® SIGNAL M23 G4

Circular connectors for Servo Cables and encoders



Info

- For mounting in existing M25 threads or boreholes

EPIC® SIGNAL M23 G5

Circular connectors for Servo Cables and encoders



EPIC® SIGNAL M23 G6

Circular connectors for Servo Cables and encoders



Benefits

- Fast and easy assembly
- Only one M25 bore hole necessary

Application range

- Plant engineering
- Servo drives and servo assemblies
- Measurement and control technology

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000437
ETIM 5.0/6.0 Class-Description:
Housing for industrial connectors



Material

Housing: nickel-plated zinc die-casting
Sealing: FPM



Protection rating

IP68 (10h/1m)



VDE-tested

Certified production control:
VDE-REG. no. C24 (according to
EN 61984, SELV according to
DIN VDE 0100-410 has to be guaranteed)
UL File Number: E249137



Temperature range

-25 °C up to +125 °C

Article number	Article	Coding	Fastening type	Pieces / PU
Type M23 G4 panel-mount box, front wall mounting				
44420032	M23 G4	black (N)	M25 x 1.5	5
44420031	M23 G4	black (N)	M25 x 1.5	20
44420034	M23 G4	red (+20°)	M25 x 1.5	5
44420033	M23 G4	red (+20°)	M25 x 1.5	20
44420030	M23 G4	blue (-20°)	M25 x 1.5	5
44420029	M23 G4	blue (-20°)	M25 x 1.5	20
Type M23 G5 panel-mount box, front wall mounting				
44420046	M23 G5	black (N)	M25 x 1.5 (with nut)	5
44420045	M23 G5	black (N)	M25 x 1.5 (with nut)	20
44420048	M23 G5	red (+20°)	M25 x 1.5 (with nut)	5
44420047	M23 G5	red (+20°)	M25 x 1.5 (with nut)	20
44420044	M23 G5	blue (-20°)	M25 x 1.5 (with nut)	5
44420043	M23 G5	blue (-20°)	M25 x 1.5 (with nut)	20
Type M23 G6 panel-mount box, rear wall mounting				
44420071	M23 G6	black (N)	M25 x 1.5 (with nut)	5
44420073	M23 G6	black (N)	M25 x 1.5 (with nut)	20

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



Info

- Housing for mounting at inner side to save space outside of device



EPIC® SIGNAL M23 B1

Circular connectors for Servo Cables and encoders

EPIC® SIGNAL M23 B2

Circular connectors for Servo Cables and encoders



Benefits

EPIC® SIGNAL M23 B1

- Defined stop position when mounting at device prevents uncontrolled pressing of sealing
- Harnessed insulation body can easily inserted from back side in already mounted housing

EPIC® SIGNAL M23 B2

- Housings are very flexible - cable connectors with wide clamping range, receptacle housings for assembling the inserts from the front and rear
- Harnessed insulation body can easily inserted from back side in already mounted housing

Application range

- Plant engineering
- Servo drives and servo assemblies
- Measurement and control technology

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000437
ETIM 5.0/6.0 Class-Description:
Housing for industrial connectors



Material

Housing: nickel-plated zinc die-casting
Sealing: FPM



Protection rating

IP68 (10h/ 1m)



VDE-tested

Certified production control:
VDE-REG. no. C24 (according to
EN 61984, SELV according to
DIN VDE 0100-410 has to be guaranteed)
UL File Number: E249137



Temperature range

-25°C up to +125°C

Article number	Article	Coding	Fastening type	Pieces / PU
Type M23 B1 panel-mount box, rear wall mounting				
44420024	M23 B1	black (N)	M2.5 (4x)	5
44420023	M23 B1	black (N)	M2.5 (4x)	20
44420026	M23 B1	red (+20°)	M2.5 (4x)	5
44420025	M23 B1	red (+20°)	M2.5 (4x)	20
44420022	M23 B1	blue (-20°)	M2.5 (4x)	5
44420021	M23 B1	blue (-20°)	M2.5 (4x)	20
Type M23 B2 panel-mount box, rear wall mounting				
44420050	M23 B2	black (N)	Ø 2.7 mm (4x)	5
44420051	M23 B2	black (N)	Ø 2.7 mm (4x)	20
44420035	M23 B2	red (+20°)	Ø 2.7 mm (4x)	5
44420049	M23 B2	red (+20°)	Ø 2.7 mm (4x)	20
44420052	M23 B2	blue (-20°)	Ø 2.7 mm (4x)	5
44420053	M23 B2	blue (-20°)	Ø 2.7 mm (4x)	20

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EPIC® Industrial connectors



Circular connectors • EPIC® SIGNAL M23 Housings



EPIC® SIGNAL M23 C2

Circular connectors for Servo Cables and encoders



Benefits

- Quick and easy separation of connection from both sides of a wall
- For connecting two pre-assembled M23 D6 cable connectors

Application range

- Plant engineering
- Measurement and control technology

Technical data

 **Classification ETIM 5/6**
ETIM 5.0/6.0 Class-ID: EC002635
ETIM 5.0/6.0 Class-Description:
Circular connector (industrial connector)

 **Material**
Housing: nickel-plated copper alloy
Insert: thermoplastic
Sealing: neoprene

 **Protection rating**
IP 67

 **Temperature range**
-25 °C up to +125 °C

Article number	Article description	Version	Contacts included	Fastening type	Pin configuration	Pieces / PU
Type M23 C2 feed-through connector						
00010108	EPIC® M23 C2 12	black (N)	12	Ø 2.7 mm (4x)	12E male - 12P female	5
00010521	EPIC® M23 C2 17	black (N)	17	Ø 2.7 mm (4x)	17E male - 17P female	5

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



Info

- Robust metal connector with integrated EMC cable gland

Technical data

- Classification ETIM 5/6**
ETIM 5.0/6.0 Class-ID: EC000437
ETIM 5.0/6.0 Class-Description:
Housing for industrial connectors
- Material**
Housing: nickel-plated zinc die-casting
Sealing: FPM
- Protection rating**
IP68 (10h/1m)
- VDE-tested**
Certified production control:
VDE-REG. no. C24 (according to
EN 61984, SELV according to DIN
VDE 0100-410 has to be guaranteed)
UL File Number: E249137
- Temperature range**
-25°C up to +125°C

Benefits

- Low-resistance screen contact, optimum EMC protection
- Use of high quality materials for increased reliability

Application range

- Plant engineering
- Servo drives and servo assemblies
- Measurement and control technology

EPIC® SIGNAL M23 D6

Circular connectors for Servo Cables and encoders



EPIC® SIGNAL M23 F6

Circular connectors for Servo Cables and encoders



EPIC® SIGNAL M23 F7

Circular connectors for Servo Cables and encoders



Article number	Article	Coding	Cable clamping range	Fastening type	Pieces / PU
Type M23 D6 cable connector					
44420037	M23 D6	black (N)	7.0 - 13.5		5
72044030	M23 D6	black (N)	7.0 - 10.0		5
72044020	M23 D6	black (N)	7.0 - 10.0		20
72044000	M23 D6	black (N)	9.5 - 13.5		5
72044010	M23 D6	black (N)	9.5 - 13.5		20
44420038	M23 D6	red (+20°)	7.0 - 13.5		5
72044230	M23 D6	red (+20°)	7.0 - 10.0		5
72044220	M23 D6	red (+20°)	7.0 - 10.0		20
72044200	M23 D6	red (+20°)	9.5 - 13.5		5
72044210	M23 D6	red (+20°)	9.5 - 13.5		20
44420036	M23 D6	blue (-20°)	7.0 - 13.5		5
72044130	M23 D6	blue (-20°)	7.0 - 10.0		5
72044120	M23 D6	blue (-20°)	7.0 - 10.0		20
72044100	M23 D6	blue (-20°)	9.5 - 13.5		5
72044110	M23 D6	blue (-20°)	9.5 - 13.5		20
Type M23 F6 coupling connector					
44420040	M23 F6	black (N)	7.0 - 13.5		5
72064030	M23 F6	black (N)	7.0 - 10.0		5
72064020	M23 F6	black (N)	7.0 - 10.0		20
72064000	M23 F6	black (N)	9.5 - 13.5		5
72064010	M23 F6	black (N)	9.5 - 13.5		20
44420041	M23 F6	red (+20°)	7.0 - 13.5		5
72064230	M23 F6	red (+20°)	7.0 - 10.0		5
72064220	M23 F6	red (+20°)	7.0 - 10.0		20
72064200	M23 F6	red (+20°)	9.5 - 13.5		5
72064210	M23 F6	red (+20°)	9.5 - 13.5		20
44420039	M23 F6	blue (-20°)	7.0 - 13.5		5
72064130	M23 F6	blue (-20°)	7.0 - 10.0		5
72064120	M23 F6	blue (-20°)	7.0 - 10.0		20
72064100	M23 F6	blue (-20°)	9.5 - 13.5		5
Type M23 F7 panel-mount connector, front/rear wall mounting					
44420009	M23 F7	black (N)	7.0 - 10.0	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	5
44420010	M23 F7	black (N)	7.0 - 10.0	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	20
44420011	M23 F7	black (N)	9.5 - 13.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	5
44420012	M23 F7	black (N)	9.5 - 13.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	20
44420001	M23 F7	red (+20°)	7.0 - 10.0	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	5
44420002	M23 F7	red (+20°)	7.0 - 10.0	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	20
44420003	M23 F7	red (+20°)	9.5 - 13.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	5
44420004	M23 F7	red (+20°)	9.5 - 13.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	20
44420005	M23 F7	blue (-20°)	7.0 - 10.0	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	5
44420006	M23 F7	blue (-20°)	7.0 - 10.0	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	20
44420007	M23 F7	blue (-20°)	9.5 - 13.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	5
44420008	M23 F7	blue (-20°)	9.5 - 13.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	20

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

For current information see: www.lappgroup.com



EPIC® SIGNAL M23 Inserts 6 pole

Inserts for M23 circular connectors



EPIC® SIGNAL M23 Inserts 7 pole

Inserts for M23 circular connectors



Suitable housing

- EPIC® SIGNAL M23 A1 Page 639
- EPIC® SIGNAL M23 A1 D3.2 Page 639
- EPIC® SIGNAL M23 A3 Page 639
- EPIC® SIGNAL M23 G4 Page 640
- EPIC® SIGNAL M23 G5 Page 640
- EPIC® SIGNAL M23 G6 Page 640
- EPIC® SIGNAL M23 B1 Page 641
- EPIC® SIGNAL M23 B2 Page 641
- EPIC® SIGNAL M23 D6 Page 643
- EPIC® SIGNAL M23 F6 Page 643
- EPIC® SIGNAL M23 F7 Page 643
- All inserts fit into all housings

- EPIC® SIGNAL M23 Contacts female Page 649
- Use 2 mm contacts

Benefits

- Universal further processing of the M23 inserts through different packaging units. Fully assembled with suitable solder contacts or unpopulated for individual assembly with crimp or solder contacts

Application range

- Plant engineering
- Measurement and control technology
- Apparatus construction

Suitable contacts:

- EPIC® SIGNAL M23 Contacts male Page 649

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors
	Rated voltage (V) according to IEC 61984: 150 V
	Rated impulse voltage 4 kV
	Rated current (A) 18 A
	Pollution degree 3
	Contact resistance < 4 mOhm
	Contacts Gold-plated brass
	Number of contacts EPIC® SIGNAL M23 Inserts 6 pole 6 EPIC® SIGNAL M23 Inserts 7 pole 7
	Termination methods Crimp termination: 1.0 - 2.5 mm ² Solder termination: up to 2.5 mm ²
	Cycle of mechanical operation 100
	VDE-tested Certified production control: VDE-REG. no. C24 (according to EN 61984, SELV according to DIN VDE 0100-410 has to be guaranteed) UL File Number: E249137
	Temperature range -25°C up to +125°C

Article number	Article description	Inserts	Contacts included	Pin configuration	Pieces / PU
6-pin inserts, P-part = rotation to the left (plug side anticlockwise)					
73002760	P-part	without contacts		6	5
73002761	P-part	without contacts		6	20
73002762	P-part	+ male contacts, solder	6	6	5
73002763	P-part	+ male contacts, solder	6	6	20
73002764	P-part	+ female contacts, solder	6	6	5
73002765	P-part	+ female contacts, solder	6	6	20
6-pin inserts, E-part = rotation to the right (plug side clockwise)					
73002766	E-Part	without contacts		6	5
73002767	E-Part	without contacts		6	20
73002768	E-Part	+ male contacts, solder	6	6	5
73002769	E-Part	+ male contacts, solder	6	6	20
73002770	E-Part	+ female contacts, solder	6	6	5
73002771	E-Part	+ female contacts, solder	6	6	20
7-pin inserts, P-part = rotation to the left (plug side anticlockwise)					
44420148	P-part	without contacts		7	5
44420149	P-part	without contacts		7	20
44420150	P-part	+ male contacts, solder	7	7	5
44420151	P-part	+ male contacts, solder	7	7	20
44420152	P-part	+ female contacts, solder	7	7	5
44420153	P-part	+ female contacts, solder	7	7	20
7-pin inserts, E-part = rotation to the right (plug side clockwise)					
44420154	E-Part	without contacts		7	5
44420155	E-Part	without contacts		7	20
44420156	E-Part	+ male contacts, solder	7	7	5
44420157	E-Part	+ male contacts, solder	7	7	20
44420158	E-Part	+ female contacts, solder	7	7	5
44420159	E-Part	+ female contacts, solder	7	7	20

The inserts are suitable for both male and female contacts. For a complete connection, you will need one P-component and one E-component. P-component = left turning (anticlockwise), E-component = right turning (clockwise) / Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® SIGNAL M23 Inserts 8+1 pole

Inserts for M23 circular connectors



EPIC® SIGNAL M23 Inserts 9 pole

Inserts for M23 circular connectors



Suitable housing

- EPIC® SIGNAL M23 A1 Page 639
- EPIC® SIGNAL M23 A1 D3.2 Page 639
- EPIC® SIGNAL M23 A3 Page 639
- EPIC® SIGNAL M23 G4 Page 640
- EPIC® SIGNAL M23 G5 Page 640
- EPIC® SIGNAL M23 G6 Page 640
- EPIC® SIGNAL M23 B1 Page 641
- EPIC® SIGNAL M23 B2 Page 641
- EPIC® SIGNAL M23 D6 Page 643
- EPIC® SIGNAL M23 F6 Page 643
- EPIC® SIGNAL M23 F7 Page 643
- All inserts fit into all housings

Suitable contacts:

- EPIC® SIGNAL M23 Contacts male Page 649
- EPIC® SIGNAL M23 Contacts female Page 649

EPIC® SIGNAL M23 Inserts 8+1 pole

- 8+1: 8*1 mm contact, 1*2 mm contact

EPIC® SIGNAL M23 Inserts 9 pole

- 9: 9*1 mm contact

Benefits

- Universal further processing of the M23 inserts through different packaging units. Fully assembled with suitable solder contacts or unpopulated for individual assembly with crimp or solder contacts

Application range

- Plant engineering
- Measurement and control technology
- Apparatus construction

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors		Number of contacts EPIC® SIGNAL M23 Inserts 8+1 pole 8 + 1 EPIC® SIGNAL M23 Inserts 9 pole 9
	Rated voltage (V) according to IEC 61984: 150 V Rated impulse voltage EPIC® SIGNAL M23 Inserts 8+1 pole 2.5 kV EPIC® SIGNAL M23 Inserts 9 pole 1.5 kV		Termination methods EPIC® SIGNAL M23 Inserts 8+1 pole Crimp termination: 0.14 - 1.0 mm ² (1.0 - 2.5 mm ² for 2-mm contact) Solder termination: up to 1.0 mm ² (up to 2.5 mm ² for 2-mm contact) EPIC® SIGNAL M23 Inserts 9 pole Crimp termination: 0.14 - 1.0 mm ² Solder termination: up to 1.0 mm ²
	Rated current (A) EPIC® SIGNAL M23 Inserts 8+1 pole 20 A (2 mm contact) 7 A (1 mm contacts) EPIC® SIGNAL M23 Inserts 9 pole 7 A		Cycle of mechanical operation 100
	Pollution degree 3		VDE-tested Certified production control: VDE-REG. no. C24 (according to EN 61984, SELV according to DIN VDE 0100-410 has to be guaranteed) UL File Number: E249137
	Contact resistance < 4 mOhm		Temperature range -25°C up to +125°C
	Contacts Gold-plated brass		

Article number	Article description	Inserts	Contacts included	Pin configuration	Pieces / PU
8+1-pin inserts, P-part = rotation to the left (plug side anticlockwise)					
73002736	P-part	without contacts		8+1	5
73002737	P-part	without contacts		8+1	20
73002738	P-part	+ male contacts, solder	9	8+1	5
73002739	P-part	+ male contacts, solder	9	8+1	20
73002740	P-part	+ female contacts, solder	9	8+1	5
73002741	P-part	+ female contacts, solder	9	8+1	20
8+1-pin inserts, E-part = rotation to the right (plug side clockwise)					
73002742	E-Part	without contacts		8+1	5
73002743	E-Part	without contacts		8+1	20
73002744	E-Part	+ male contacts, solder	9	8+1	5
73002745	E-Part	+ male contacts, solder	9	8+1	20
73002746	E-Part	+ female contacts, solder	9	8+1	5
73002747	E-Part	+ female contacts, solder	9	8+1	20
9-pin inserts, P-part = rotation to the left (plug side anticlockwise)					
73002724	P-part	Unpopulated		9	5
73002725	P-part	Unpopulated		9	20
73002726	P-part	+ male contacts, solder	9	9	5
73002727	P-part	+ male contacts, solder	9	9	20
73002728	P-part	+ female contacts, solder	9	9	5
73002729	P-part	+ female contacts, solder	9	9	20
9-pin inserts, E-part = rotation to the right (plug side clockwise)					
73002730	E-Part	Unpopulated		9	5
73002731	E-Part	Unpopulated		9	20
73002732	E-Part	+ male contacts, solder	9	9	5
73002733	E-Part	+ male contacts, solder	9	9	20
73002734	E-Part	+ female contacts, solder	9	9	5
73002735	E-Part	+ female contacts, solder	9	9	20

The inserts are suitable for both male and female contacts. For a complete connection, you will need one P-component and one E-component. P-component = left turning (anticlockwise), E-component = right turning (clockwise) / Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® SIGNAL M23 Inserts 12 pole

Inserts for M23 circular connectors



EPIC® SIGNAL M23 Inserts 16 pole

Inserts for M23 circular connectors



Technical data

Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC000438
ETIM 5.0/6.0 Class-Description:
Contact insert for industrial connectors

Rated voltage (V)
according to IEC 61984: 100 V

Rated impulse voltage
1.5 kV

Rated current (A)
7 A

Pollution degree
3

Contact resistance
< 4 mOhm

Contacts
Gold-plated brass

Number of contacts
EPIC® SIGNAL M23 Inserts 12 pole
13
EPIC® SIGNAL M23 Inserts 16 pole
16

Termination methods
Crimp termination: 0.14 - 1.0 mm²
Solder termination: up to 1.0 mm²

Cycle of mechanical operation
100

VDE-tested
Certified production control:
VDE-REG. no. C24 (according to
EN 61984, SELV according to
DIN VDE 0100-410 has to be guaranteed)
UL File Number: E249137

Temperature range
-25°C up to +125°C

Suitable housing

- EPIC® SIGNAL M23 A1 Page 639
- EPIC® SIGNAL M23 A1 D3.2 Page 639
- EPIC® SIGNAL M23 A3 Page 639
- EPIC® SIGNAL M23 G4 Page 640
- EPIC® SIGNAL M23 G5 Page 640
- EPIC® SIGNAL M23 G6 Page 640
- EPIC® SIGNAL M23 B1 Page 641
- EPIC® SIGNAL M23 B2 Page 641
- EPIC® SIGNAL M23 D6 Page 643
- EPIC® SIGNAL M23 F6 Page 643
- EPIC® SIGNAL M23 F7 Page 643
- All inserts fit into all housings

Suitable contacts:

- EPIC® SIGNAL M23 Contacts male
Page 649
- EPIC® SIGNAL M23 Contacts female
Page 649

Benefits

- Universal further processing of the M23 inserts through different packaging units. Fully assembled with suitable solder contacts or unpopulated for individual assembly with crimp or solder contacts

Application range

- Plant engineering
- Measurement and control technology
- Apparatus construction

Article number	Article description	Inserts	Contacts included	Pin configuration	Pieces / PU
12-pin inserts, P-part = rotation to the left (plug side anticlockwise)					
73002712	P-part	Unpopulated		12	5
73002713	P-part	Unpopulated		12	20
73002714	P-part	+ male contacts, solder	12	12	5
73002715	P-part	+ male contacts, solder	12	12	20
73002716	P-part	+ female contacts, solder	12	12	5
73002717	P-part	+ female contacts, solder	12	12	20
12-pin inserts, E-part = rotation to the right (plug side clockwise)					
73002718	E-Part	Unpopulated		12	5
73002719	E-Part	Unpopulated		12	20
73002720	E-Part	+ male contacts, solder	12	12	5
73002721	E-Part	+ male contacts, solder	12	12	20
73002722	E-Part	+ female contacts, solder	12	12	5
73002723	E-Part	+ female contacts, solder	12	12	20
16-pin inserts, P-part = rotation to the left (plug side anticlockwise)					
73002700	P-part	Unpopulated		16	5
73002701	P-part	Unpopulated		16	20
73002702	P-part	+ male contacts, solder	16	16	5
73002703	P-part	+ male contacts, solder	16	16	20
73002704	P-part	+ female contacts, solder	16	16	5
73002705	P-part	+ female contacts, solder	16	16	20
16-pin inserts, E-part = rotation to the right (plug side clockwise)					
73002706	E-Part	Unpopulated		16	5
73002707	E-Part	Unpopulated		16	20
73002708	E-Part	+ male contacts, solder	16	16	5
73002709	E-Part	+ male contacts, solder	16	16	20
73002710	E-Part	+ female contacts, solder	16	16	5
73002711	E-Part	+ female contacts, solder	16	16	20

The inserts are suitable for both male and female contacts. For a complete connection, you will need one P-component and one E-component. P-component = left turning (anticlockwise), E-component = right turning (clockwise)

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® SIGNAL M23 Inserts 17 pole

Inserts for M23 circular connectors



Suitable housing

- EPIC® SIGNAL M23 A1 Page 639
- EPIC® SIGNAL M23 A1 D3.2 Page 639
- EPIC® SIGNAL M23 A3 Page 639
- EPIC® SIGNAL M23 G4 Page 640
- EPIC® SIGNAL M23 G5 Page 640
- EPIC® SIGNAL M23 G6 Page 640
- EPIC® SIGNAL M23 B1 Page 641
- EPIC® SIGNAL M23 B2 Page 641
- EPIC® SIGNAL M23 D6 Page 643
- EPIC® SIGNAL M23 F6 Page 643
- EPIC® SIGNAL M23 F7 Page 643
- All inserts fit into all housings

Suitable contacts:

- EPIC® SIGNAL M23 Contacts male Page 649
- EPIC® SIGNAL M23 Contacts female Page 649

Benefits

- Universal further processing of the M23 inserts through different packaging units. Fully assembled with suitable solder contacts or unpopulated for individual assembly with crimp or solder contacts

Application range

- Plant engineering
- Measurement and control technology
- Apparatus construction

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors		Number of contacts 17
	Rated voltage (V) according to IEC 61984: 50 V		Termination methods Crimp termination: 0.14 - 1.0 mm ² Solder termination: up to 1.0 mm ²
	Rated impulse voltage 0,8 kV		Cycle of mechanical operation 100
	Rated current (A) 7 A		VDE-tested Certified production control: VDE-REG. no. C24 (according to EN 61984, SELV according to DIN VDE 0100-410 has to be guaranteed) UL File Number: E249137
	Pollution degree 3		Temperature range -25°C up to +125°C
	Contact resistance < 4 mOhm		
	Contacts Gold-plated brass		

Article number	Article description	Inserts	Contacts included	Pin configuration	Pieces / PU
17-pin inserts, P-part = rotation to the left (plug side anticlockwise)					
73008000	P-part	Unpopulated		17	5
73008010	P-part	Unpopulated		17	20
73028000	P-part	+ male contacts, solder	17	17	5
73028010	P-part	+ male contacts, solder	17	17	20
73018000	P-part	+ female contacts, solder	17	17	5
73018010	P-part	+ female contacts, solder	17	17	20
17-pin inserts, E-part = rotation to the right (plug side clockwise)					
73008500	E-Part	Unpopulated		17	5
73008510	E-Part	Unpopulated		17	20
73028500	E-Part	+ male contacts, solder	17	17	5
73028510	E-Part	+ male contacts, solder	17	17	20
73018500	E-Part	+ female contacts, solder	17	17	5
73018510	E-Part	+ female contacts, solder	17	17	20

The inserts are suitable for both male and female contacts. For a complete connection, you will need one P-component and one E-component. P-component = left turning (anticlockwise), E-component = right turning (clockwise)
Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® SIGNAL M23 Inserts 12 pole D-Sub

Inserts for M23 circular connectors



Info

- For D-Sub ribbon contacts
- For automated production with crimping machine

EPIC® SIGNAL M23 Inserts 17 pole D-Sub

Inserts for M23 circular connectors



Info

- For D-Sub ribbon contacts
- For automated production with crimping machine

Suitable housing

- EPIC® SIGNAL M23 A1 Page 639
- EPIC® SIGNAL M23 A1 D3.2 Page 639
- EPIC® SIGNAL M23 A3 Page 639
- EPIC® SIGNAL M23 G4 Page 640
- EPIC® SIGNAL M23 G5 Page 640
- EPIC® SIGNAL M23 G6 Page 640
- EPIC® SIGNAL M23 B1 Page 641
- EPIC® SIGNAL M23 B2 Page 641
- EPIC® SIGNAL M23 D6 Page 643
- EPIC® SIGNAL M23 F6 Page 643
- EPIC® SIGNAL M23 F7 Page 643

Suitable contacts:

- EPIC® M-D 1.0 D-Sub stamped contacts-on-reel Page 586

Benefits

- Efficient assembling due to the use of D-Sub contacts-on-reel

Application range

- Plant engineering
- Measurement and control technology
- Apparatus construction

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors		Pollution degree 3
	Rated voltage (V) EPIC® SIGNAL M23 Inserts 12 pole D-Sub according to IEC 61984: 100 V EPIC® SIGNAL M23 Inserts 17 pole D-Sub according to IEC 61984: 50 V		Contact resistance < 4 mOhm
	Rated impulse voltage EPIC® SIGNAL M23 Inserts 12 pole D-Sub 1.5 kV EPIC® SIGNAL M23 Inserts 17 pole D-Sub 0,8 kV		Contacts Partly gold-plated brass
			Number of contacts EPIC® SIGNAL M23 Inserts 12 pole D-Sub 13 EPIC® SIGNAL M23 Inserts 17 pole D-Sub 17
			Termination methods Crimp termination: 0.08 - 0.56 mm²
			Cycle of mechanical operation 50
			Temperature range -25 °C up to +125 °C

Article number	Article description	Inserts	Pin configuration	Pieces / PU
12-pin inserts, E-part = rotation to the right (plug side clockwise)				
44420120	E-Part	Unpopulated, for male D-Sub crimp-contacts on reel	12	5
44420121	E-Part	Unpopulated, for male D-Sub crimp-contacts on reel	12	20
44420122	E-Part	Unpopulated, for female D-Sub crimp-contacts on reel	12	5
44420123	E-Part	Unpopulated, for female D-Sub crimp-contacts on reel	12	20
12-pin inserts, P-part = rotation to the left (plug side anticlockwise)				
44420124	P-part	Unpopulated, for male D-Sub crimp-contacts on reel	12	5
44420125	P-part	Unpopulated, for male D-Sub crimp-contacts on reel	12	20
44420126	P-part	Unpopulated, for female D-Sub crimp-contacts on reel	12	5
44420127	P-part	Unpopulated, for female D-Sub crimp-contacts on reel	12	20
17-pin inserts, E-part = rotation to the right (plug side clockwise)				
44420128	E-Part	Unpopulated, for male D-Sub crimp-contacts on reel	17	5
44420129	E-Part	Unpopulated, for male D-Sub crimp-contacts on reel	17	20
44420130	E-Part	Unpopulated, for female D-Sub crimp-contacts on reel	17	5
44420131	E-Part	Unpopulated, for female D-Sub crimp-contacts on reel	17	20
17-pin inserts, P-part = rotation to the left (plug side anticlockwise)				
44420132	P-part	Unpopulated, for male D-Sub crimp-contacts on reel	17	5
44420133	P-part	Unpopulated, for male D-Sub crimp-contacts on reel	17	20
44420134	P-part	Unpopulated, for female D-Sub crimp-contacts on reel	17	5
44420135	P-part	Unpopulated, for female D-Sub crimp-contacts on reel	17	20

The inserts are suitable for both male and female contacts. For a complete connection, you will need one P-component and one E-component. P-component = left turning (anticlockwise), E-component = right turning (clockwise) / Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® SIGNAL M23 Contacts male

Contacts, tools, accessories for circular connectors M23



Info

- All contacts are high quality gold plated
- Contacts are designed for wide crimping range, therefore low number of variants
- Contacts in solder or crimp version available



EPIC® SIGNAL M23 Contacts female

Contacts, tools, accessories for circular connectors M23



Info

- All contacts are high quality gold plated
- Contacts are designed for wide crimping range, therefore low number of variants
- Contacts in solder or crimp version available



Article number	Article designation	Version	For design	Pieces / PU
1mm contacts male				
72400001	SIGNAL M23 SCM 1mm AU 0.14-1.0	1 mm male 0.14 - 1.0 mm ²	M23 inserts (not D-Sub)	10
72400000		1 mm male 0.14 - 1.0 mm ²	M23 inserts (not D-Sub)	100
72402001	SIGNAL M23 SLM 1mm AU 1.0	1 mm male solder	M23 inserts (not D-Sub)	10
72402000	SIGNAL M23 SLM 1mm AU 1.0	1 mm male solder	M23 inserts (not D-Sub)	100
2mm contacts male				
72401000	M23 SCM 2mm AU 1.0-2.5	2 mm male crimp	M23 inserts (not D-Sub)	100
72403100	SIGNAL M23 SLM 2mm AU 1.0-2.5	2 mm male solder	M23 inserts (not D-Sub)	10
72403000	SIGNAL M23 SLM 2mm AU 1.0-2.5	2 mm male solder	M23 inserts (not D-Sub)	100
1mm contacts female				
74020601	M23/LS1 BCMS 1mm AU 0.14-1.0	1 mm female slot 0.14 - 1.0 mm ²	per inserts M23 (not D-Sub), LS1 D6, LS1 A6	10
74200600	M23/LS1 BCMS 1mm AU 0.14-1.0	1 mm female slot 0.14 - 1.0 mm ²	per inserts M23 (not D-Sub), LS1 D6, LS1 A6	100
72402601	SIGNAL M23 BLMS 1mm AU 1.0	1 mm female slot solder	M23 inserts (not D-Sub)	10
72402600	SIGNAL M23 BLMS 1mm AU 1.0	1 mm female slot solder	M23 inserts (not D-Sub)	100
74034500	M23/LS1 BCMD 1mm AU 0.14-1.0	1 mm female hyperboloid 0.14 - 1.0 mm ²	per inserts M23 (not D-Sub), LS1 D6, LS1 A6	100
74034501	M23/LS1 BCMD 1mm AU 0.14-1.0	1 mm female hyperboloid 0.14 - 1.0 mm ²	per inserts M23 (not D-Sub), LS1 D6, LS1 A6	10
2mm contacts female				
72401601	SIGNAL M23 BCMS 2mm AU 1,0-2,5	2 mm female 1.0 - 2.5 mm ²	M23 inserts (not D-Sub)	10
72401600		2 mm female 1.0 - 2.5 mm ²	M23 inserts (not D-Sub)	100
72404100	SIGNAL M23 BLMS 2mm AU 2.5	2 mm female solder	M23 inserts (not D-Sub)	10
72404000	SIGNAL M23 BLMS 2mm AU 2.5	2 mm female solder	M23 inserts (not D-Sub)	100

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® SIGNAL M23 Tools

Contacts, tools, accessories for circular connectors M23



Info

- Universal 4-indent crimping tool
- Resolver Locator for quick changes in processing other contacts

Article number	Article description	Inserts	Pieces / PU
Tools			
11148000	Crimping tool	In tool case, without locator	1
11148001	4-mandrel digital crimping tool	In tool case, without locator	1
11148002	Crimping machine	Pneumatic for 5 - 10 bar, locator not included	1
11148300	Locator for crimping tool LS1, M23		1
44420078	M23 removal tool for inserts	For housing type A, B, G, O	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® SIGNAL M23 Accessories

Contacts, tools, accessories for circular connectors M23



Info

- Simple protective cover as transport protection
- Metall screw cap for safe covering
- SYLVIN® adapter for mounting a cable conduit or an additional cable gland

Article number	Article description	Inserts	Pieces / PU
EPIC® SIGNAL M23 Accessories			
75007810	M23-LS1 A, B, F, G protective cap	Plastic cap for A1, B1, B2, F6, F7, G4, G5, G6	20
75007710	M23 / LS1 D protective cap	Plastic cap for D6, A6	20
75018010	M23 A, B protective cap, plastic cord with cable lug	Metal cap for A1, A3, B1, B2	20
75018110	M23 A, B, G, F protective cap, plastic cord with variable loop	Metal cap for A1, A3, F6, F7, G4, G5	20
75018410	M23 D screw cap, plastic cord with loop	Metal screw cap for D	20
55001312	SILVYN ADAPTER M23/M20x1,5	For all integrated M23 cable glands	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® SIGNAL R 3.0 D PG16

Circular connectors with solder termination, 21-pin and 26-pin



EPIC® SIGNAL R 3.0 F PG16

Circular connectors with solder termination, 21-pin and 26-pin



EPIC® SIGNAL R 3.0 A

Circular connectors with solder termination, 21-pin and 26-pin



Info

- Compact and reliable connector for multicore signal cables

Benefits

- Highest contact density at small space requirements
- Connector in solder version for easy maintenance

Application range

- Machine and equipment manufacturing
- Measurement and control technology

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002635 ETIM 5.0/6.0 Class-Description: Circular connector (industrial connector)		Number of contacts 21-pin / 26-pin
	Rated voltage (V) 24V AC / 60VDC		Termination methods Solder termination: up to 1.0 mm ²
	Rated current (A) 7.5 A		Material Housing: nickel-plated copper alloy Insert: thermoplastic Sealing: neoprene
	Rated impulse voltage 1.5 kV		Protection rating IP 67 (maximum, dependant on cable gland used)
	Contact resistance < 3 mOhm		Cycle of mechanical operation 500
	Contacts Copper alloy, gold-plated		Temperature range -40°C to +100°C, short-term up to +125°C

Article number	Article	Version	Contacts	Pin configuration	Coding	Cable clamping range	Fastening type	Pieces / PU
R 3.0 D PG16								
00009045	SIGNAL R 3.0 D	male	1 - 21	E-Part	N	6.5 - 16.0		5
00008899	SIGNAL R 3.0 D	male	1 - 26	E-Part	N	6.5 - 16.0		5
00008749	SIGNAL R 3.0 D	female	1 - 21	P-Part	N	6.5 - 16.0		5
00008829	SIGNAL R 3.0 D	female	1 - 26	P-Part	N	6.5 - 16.0		5
R 3.0 F PG16								
00008854	SIGNAL R 3.0 F	male	1 - 21	E-Part	N	6.5 - 16.0		5
00008822	SIGNAL R 3.0 F	male	1 - 26	E-Part	N	6.5 - 16.0		5
00008779	SIGNAL R 3.0 F	female	1 - 21	P-Part	N	6.5 - 16.0		5
00008979	SIGNAL R 3.0 F	female	1 - 26	P-Part	N	6.5 - 16.0		5
R 3.0 A								
00008747	SIGNAL R 3.0 A	male	1 - 21	E-Part	N		Ø 3.2 mm (4x)	5
00008825	SIGNAL R 3.0 A	male	1 - 26	E-Part	N		Ø 3.2 mm (4x)	5
00008867	SIGNAL R 3.0 A	female	1 - 21	P-Part	N		Ø 3.2 mm (4x)	5
00008746	SIGNAL R 3.0 A	female	1 - 26	P-Part	N		Ø 3.2 mm (4x)	5

The housing is available with male or female inserts. The pin configuration corresponds to the versions shown. Inserts with male contacts (E-component) are right turning (plug side clockwise). The female inserts have the opposite pin configuration (P-component = left turning, plug side anticlockwise). Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® SIGNAL R 3.0 B1

Circular connectors with solder termination, 21-pin and 26-pin



Info

- Compact and reliable connector for multicore signal cables

EPIC® SIGNAL R 3.0 B2

Circular connectors with solder termination, 21-pin and 26-pin



EPIC® SIGNAL R 3.0 G1

Circular connectors with solder termination, 21-pin and 26-pin



Benefits

- Highest contact density at small space requirements
- Connector in solder version for easy maintenance

Application range

- Machine and equipment manufacturing
- Measurement and control technology

Technical data

Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC002635
ETIM 5.0/6.0 Class-Description:
Circular connector (industrial connector)

Rated voltage (V)
24V AC / 60VDC

Rated impulse voltage
1.5 kV

Rated current (A)
7.5 A

Contact resistance
< 3 mOhm

Contacts
Copper alloy, gold-plated

Number of contacts
21-pin / 26-pin

Termination methods
Solder termination: up to 1.0 mm²

Material
Housing: nickel-plated copper alloy
Insert: thermoplastic
Sealing: neoprene

Protection rating
IP 67 (maximum, dependant on cable gland used)

Cycle of mechanical operation
500

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article	Version	Contacts	Pin configuration	Coding	Fastening type	Pieces / PU
R 3.0 B1							
00009082	SIGNAL R 3.0 B1	male	1 - 21	E-Part	N	M3 (4x)	5
00009135	SIGNAL R 3.0 B1	female	1 - 21	P-Part	N	M3 (4x)	5
00008978	SIGNAL R 3.0 B1	female	1 - 26	P-Part	N	M3 (4x)	5
R 3.0 B2							
00008939	SIGNAL R 3.0 B2	male	1 - 26	E-Part	N	Ø 3.2 mm (4x)	5
00009470	SIGNAL R 3.0 B2	female	1 - 26	P-Part	N	Ø 3.2 mm (4x)	5
R 3.0 G1							
00009371	ZYLIN R 3.0 G1	male	1 - 21	E-Part	N	Ø 25 mm (1x)	5
00009894	ZYLIN R 3.0 G1	male	1 - 26	E-Part	N	Ø 25 mm (1x)	5
00009057	ZYLIN R 3.0 G1	female	1 - 21	P-Part	N	Ø 25 mm (1x)	5
00009005	ZYLIN R 3.0 G1	female	1 - 26	P-Part	N	Ø 25 mm (1x)	5

The housing is available with male or female inserts. The pin configuration corresponds to the versions shown. Inserts with male contacts (E-component) are right turning (plug side clockwise). The female inserts have the opposite pin configuration (P-component = left turning, plug side anticlockwise)
Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® SIGNAL R 3.0 Tools

Contacts, tools, accessories for circular connectors



EPIC® SIGNAL R 3.0 Accessories

Contacts, tools, accessories for circular connectors



Technical data



Classification ETIM 5/6 EPIC® SIGNAL R 3.0 Tools

ETIM 5.0/6.0 Class-ID: EC000168
ETIM 5.0/6.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection

EPIC® SIGNAL R 3.0 Accessories

ETIM 5.0/6.0 Class-ID: EC002314
ETIM 5.0/6.0 Class-Description: Cap for industrial connectors

Article number	Article designation	For design	Pieces / PU
EPIC® SIGNAL R 3.0 Tools			
50200800	R3.0 assembly/disassembly tool	for type D, F	1
Flat gasket			
50201203	R3.0 A flat gasket	for type A1	5
50202203	R3.0 B flat gasket	for type B	5
Metal cap			
50201120	R3.0 A metal screw-cap	for type A1	5

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EPIC® POWER LS1 A1

Circular connectors for servomotors and power supply



EPIC® POWER LS1 A3

Circular connectors for servomotors and power supply



Info

- Rotatable with clearly defined adjustment positions

Suitable contacts:

- EPIC® POWER LS1 Contacts male Page 658
- PU = 5 pieces: the contacts are included. 2 mm contact crimp range is 0.5 - 2.5 mm².
- PU = 20 pieces: the contacts must be ordered separately

Benefits

- High power at smallest installation space, Optimal solution for electric motors
- EMC-optimised design
- Safety use in field environment by high protection class

Application range

- Plant engineering
- Servo drives and servo assemblies

Technical data

Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC002635
ETIM 5.0/6.0 Class-Description:
Circular connector (industrial connector)

Rated voltage (V)
630 V (2 mm contacts)
250 V (1 mm contacts)

Rated impulse voltage
6 kV (2 mm contacts)
4 kV (1 mm contacts)

Rated current (A)
26A/3+PE+4, 25A/5+PE (2mm contacts)
7 A (1 mm contacts)

Pollution degree
3

Contact resistance
< 4 mΩhm

Contacts
Gold-plated brass

Number of contacts
3+PE+4(2mm/1mm)
5+PE(2mm)



Termination methods

Crimp termination: 0.5 - 2.5 mm² (2 mm contacts)
Crimp termination: 0.14 - 1.0 mm² (1 mm contacts)



Material

Housing: nickel-plated zinc die-casting, nickel-plated brass
Insert: PA,
Seal: FPM



Protection rating

EPIC® POWER LS1 A1
IP68 (10h/1m)
EPIC® POWER LS1 A3
IP 65



Cycle of mechanical operation
500



VDE-tested

EPIC® POWER LS1 A1
Certified production control:
VDE-REG. no. B25



Temperature range

-25°C up to +125°C

Article number	Article description	Contacts included	Fastening type	Pin configuration	Pieces / PU
Type LS1 A1, front wall mounting, 6-pin, for male contacts					
76003000	LS1 A1	6	Ø 2.7 mm (4x)	5+PE	5
76003510	LS1 A1		Ø 2.7 mm (4x)	5+PE	20
Type LS1 A1, front wall mounting, 8-pin, for male contacts					
76004000	LS1 A1	8	Ø 2.7 mm (4x)	3+PE+4	5
76004510	LS1 A1		Ø 2.7 mm (4x)	3+PE+4	20
Type LS1 A3, angled, rotatable, 6-pin, for male contacts					
24420058	LS1 A3	6	Ø 2.7 mm (4x)	5+PE	5
24420059	LS1 A3		Ø 2.7 mm (4x)	5+PE	20
Type LS1 A3, angled, rotatable, 8-pin, for male contacts					
24420056	LS1 A3	8	Ø 2.7 mm (4x)	3+PE+4	5
24420057	LS1 A3		Ø 2.7 mm (4x)	3+PE+4	20

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EPIC® POWER LS1 G5

Circular connectors for servomotors and power supply



EPIC® POWER LS1 A6

Circular connectors for servomotors and power supply



Info

- Allows a electrical disconnecting point directly at power source

Suitable contacts:

EPIC® POWER LS1 G5

- EPIC® POWER LS1 Contacts male
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EPIC® POWER LS1 A6

- EPIC® POWER LS1 Contacts female
Page 658
- PU = 5 pieces: the contacts are included.
2 mm contact crimp range is 0.5 - 2.5 mm².
- PU = 20 pieces: the contacts must be ordered separately

Benefits

- High power at smallest installation space,
Optimal solution for electric motors
- EMC-optimised design
- Safety use in field environment by high protection class

Application range

- Plant engineering
- Servo drives and servo assemblies

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002635 ETIM 5.0/6.0 Class-Description: Circular connector (industrial connector)		Number of contacts 3+PE+4(2mm/1mm) 5+PE(2mm)
	Rated voltage (V) 630 V (2 mm contacts) 250 V (1 mm contacts)		Termination methods Crimp termination: 0.5 - 2.5 mm² (2 mm contacts) Crimp termination: 0.14 - 1.0 mm² (1 mm contacts)
	Rated impulse voltage 6 kV (2 mm contacts) 4 kV (1 mm contacts)		Material Housing: nickel-plated zinc die-casting, nickel-plated brass Insert: PA, Seal: FPM
	Rated current (A) 26A/3+PE+4, 25A/5+PE (2mm contacts) 7 A (1 mm contacts)		Protection rating IP68 (10h/1m)
	Pollution degree 3		Cycle of mechanical operation 500
	Contact resistance < 4 mOhm		VDE-tested Certified production control: VDE-REG. no. B25
	Contacts Gold-plated brass		Temperature range -25°C up to +125°C

Article number	Article description	Contacts included	Fastening type	Pin configuration	Pieces / PU
Type LS1 G5, front wall mounting, 6-pin, for male contacts					
76153000	LS1 G5	6	M25 x 1.5 (with nut)	5+PE	5
76153510	LS1 G5		M25 x 1.5 (with nut)	5+PE	20
Type LS1 G5, front wall mouning, 8-pin, for male contacts					
76154000	LS1 G5	8	M25 x 1.5 (with nut)	3+PE+4	5
76154510	LS1 G5		M25 x 1.5 (with nut)	3+PE+4	20
Type LS1 A6, front wall mounting, 6-pin, for female contacts					
76083000	LS1 A6	6	Ø 2.7 mm (4x)	5+PE	5
76083510	LS1 A6		Ø 2.7 mm (4x)	5+PE	20
Type LS1 A6, front wall mounting, 8-pin, for female contacts					
76084000	LS1 A6	8	Ø 2.7 mm (4x)	3+PE+4	5

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EPIC® POWER LS1 D6

Circular connectors for servomotors and power supply



EPIC® POWER LS1 D6 (short)

Circular connectors for servomotors and power supply



Suitable contacts:

- EPIC® POWER LS1 Contacts female
Page 658
- PU = 5 pieces: the contacts are included.
2 mm contact crimp range is 0.5 - 2.5 mm².
- PU = 20 pieces: the contacts must be
ordered separately

Benefits

- High power at smallest installation space,
Optimal solution for electric motors
- EMC-optimised design
- Safety use in field environment by high
protection class

Application range

- Plant engineering
- Servo drives and servo assemblies

Technical data

Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC002635
ETIM 5.0/6.0 Class-Description:
Circular connector (industrial
connector)

Rated voltage (V)
630 V (2 mm contacts)
250 V (1 mm contacts)

Rated impulse voltage
6 kV (2 mm contacts)
4 kV (1 mm contacts)

Rated current (A)
26 A/3+PE+4, 25 A/5+PE (2mm
contacts)
7 A (1 mm contacts)

Pollution degree
3

Contact resistance
< 4 mOhm

Contacts
Gold-plated brass

Number of contacts
3+PE+4(2mm/1mm)
5+PE(2mm)

Termination methods
Crimp termination: 0.5 - 4.0 mm²
(2 mm contacts)
Crimp termination: 0.14 - 1.0 mm²
(1 mm contacts)

Material
Housing: nickel-plated zinc die-casting,
nickel-plated brass
Insert: PA,
Seal: FPM

Protection rating
IP68 (10h/1m)

Cycle of mechanical operation
500

VDE-tested
Certified production control:
VDE-REG. no. B25

Temperature range
-25°C up to +125°C

Article number	Article description	Contacts included	Clamping range in mm	Pin configuration	Pieces / PU
Type LS1 D6, cable connector, 6-pin, for female contacts					
73000004	LS1 D6	6	8.5 - 11	5+PE	5
73000006	LS1 D6		8.5 - 11	5+PE	20
73000005	LS1 D6	6	10.5 - 15.5	5+PE	5
73000007	LS1 D6		10.5 - 15.5	5+PE	20
76123000	LS1 D6	6	7.5 - 15.5	5+PE	5
76123510	LS1 D6		7.5 - 15.5	5+PE	20
44420091	LS1 D6 with 2mm contact for 4mm² termination	6	14 - 17	5+PE	5
44420090	LS1 D6		14 - 17	5+PE	20
Type LS1 D6, cable connector, 8-pin, for female contacts					
73000000	LS1 D6	8	8.5 - 11	3+PE+4	5
73000002	LS1 D6		8.5 - 11	3+PE+4	20
73000001	LS1 D6	8	10.5 - 15.5	3+PE+4	5
73000003	LS1 D6		10.5 - 15.5	3+PE+4	20
76124000	LS1 D6	8	7.5 - 15.5	3+PE+4	5
76124510	LS1 D6		7.5 - 15.5	3+PE+4	20
44420089	LS1 D6 with 2mm contact for 4mm² termination	8	14 - 17	3+PE+4	5
44420088	LS1 D6		14 - 17	3+PE+4	20
Type LS1 D6 short, cable connector, 6-pin, for female contacts					
73000028	LS1 D6	6	8.5 - 11	5+PE	5
73000030	LS1 D6		8.5 - 11	5+PE	20
73000029	LS1 D6	6	10.5 - 15.5	5+PE	5
73000031	LS1 D6		10.5 - 15.5	5+PE	20
76123100	LS1 D6	6	7.5 - 15.5	5+PE	5
76123610	LS1 D6		7.5 - 15.5	5+PE	20
Type LS1 D6 short, cable connector, 8-pin, for female contacts					
73000024	LS1 D6	8	8.5 - 11	3+PE+4	5
73000026	LS1 D6		8.5 - 11	3+PE+4	20
73000025	LS1 D6	8	10.5 - 15.5	3+PE+4	5
73000027	LS1 D6		10.5 - 15.5	3+PE+4	20
76124100	LS1 D6	8	7.5 - 15.5	3+PE+4	5
76124610	LS1 D6		7.5 - 15.5	3+PE+4	20

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EPIC® POWER LS1 F6

Circular connectors for servomotors and power supply



EPIC® POWER LS1 F7

Circular connectors for servomotors and power supply



Info

- For fast and safe wall mounting of a cable extension

Suitable contacts:

- EPIC® POWER LS1 Contacts male
Page 658
- PU = 5 pieces: the contacts are included.
2 mm contact crimp range is 0.5 - 2.5 mm².
- PU = 20 pieces: the contacts must be ordered separately

Benefits

- High power at smallest installation space,
Optimal solution for electric motors
- EMC-optimised design
- Safety use in field environment by high protection class

Application range

- Plant engineering
- Servo drives and servo assemblies

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002635 ETIM 5.0/6.0 Class-Description: Circular connector (industrial connector)		Number of contacts 3+PE+4(2mm/1mm) 5+PE(2mm)
	Rated voltage (V) 630 V (2 mm contacts) 250 V (1 mm contacts)		Termination methods Crimp termination: 0.5 - 4.0 mm² (2 mm contacts) Crimp termination: 0.14 - 1.0 mm² (1 mm contacts)
	Rated impulse voltage 6 kV (2 mm contacts) 4 kV (1 mm contacts)		Material Housing: nickel-plated zinc die-casting, nickel-plated brass Insert: PA, Seal: FPM
	Rated current (A) 26A/3+PE+4, 25A/5+PE (2mm contacts) 7 A (1 mm contacts)		Protection rating IP68 (10h/1m)
	Pollution degree 3		Cycle of mechanical operation 500
	Contact resistance < 4 mOhm		VDE-tested EPIC® POWER LS1 F6 Certified production control: VDE-REG. no. B25
	Contacts Gold-plated brass		Temperature range -25°C up to +125°C

Article number	Article description	Contacts included	Clamping range in mm	Fastening type	Pin configuration	Pieces / PU
Type LS1 F6, cable coupler, 6-pin, for male contacts						
73000012	LS1 F6	6	8.5 - 11		5+PE	5
73000014	LS1 F6		8.5 - 11		5+PE	20
73000013	LS1 F6	6	10.5 - 15.5		5+PE	5
73000015	LS1 F6		10.5 - 15.5		5+PE	20
76133000	LS1 F6	6	7.5 - 15.5		5+PE	5
76133510	LS1 F6		7.5 - 15.5		5+PE	20
44420095	LS1 F6 with 2mm contact for 4mm² termination	6	14 - 17		5+PE	5
44420094	LS1 F6		14 - 17		5+PE	20
Type LS1 F6, cable coupler, 8-pin, for male contacts						
73000008	LS1 F6	8	8.5 - 11		3+PE+4	5
73000010	LS1 F6		8.5 - 11		3+PE+4	20
73000009	LS1 F6	8	10.5 - 15.5		3+PE+4	5
73000011	LS1 F6		10.5 - 15.5		3+PE+4	20
76134000	LS1 F6	8	7.5 - 15.5		3+PE+4	5
76134510	LS1 F6		7.5 - 15.5		3+PE+4	20
44420093	LS1 F6 with 2mm contact for 4mm² termination	8	14 - 17		3+PE+4	5
44420092	LS1 F6		14 - 17		3+PE+4	20
Type LS1 F7, cable coupler with mounting flange, 6-pin, for male contacts						
73000020	LS1 F7	6	8.5 - 11	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	5+PE	5
73000021	LS1 F7	6	10.5 - 15.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	5+PE	5
73000023	LS1 F7		10.5 - 15.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	5+PE	20
76143000	LS1 F7	6	7.5 - 15.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	5+PE	5
Type LS1 F7, 8-pin, for male contacts						
73000016	LS1 F7	8	8.5 - 11	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	3+PE+4	5
73000017	LS1 F7	8	10.5 - 15.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	3+PE+4	5
76144000	LS1 F7	8	7.5 - 15.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	3+PE+4	5
76144510	LS1 F7		7.5 - 15.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	3+PE+4	20

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EPIC® POWER LS1 Contacts male

Contacts, tools, accessories for circular connectors



Info

- All contacts are high quality gold plated
- Contacts are designed for wide crimping range, therefore low number of variants
- Only available as crimp version due to the high mechanical stress in servo applications

EPIC® POWER LS1 Contacts female

Contacts, tools, accessories for circular connectors



Info

- All contacts are high quality gold plated
- Contacts are designed for wide crimping range, therefore low number of variants
- Only available as crimp version due to the high mechanical stress in servo applications

Article number	Article designation	Version	For design	Pieces / PU
1mm contacts male				
74033001	POWER LS1 A SCM 1mm AU 0.14-1.0	1 mm male 0.14 - 1.0 mm ²	LSI A1, A3, G5	10
74033000	POWER LS1 A SCM 1mm AU 0.14-1.0	1 mm male 0.14 - 1.0 mm ²	LSI A1, A3, G5	100
74034001	POWER LS1 F SCM 1mm AU 0.14-1.0	1 mm male 0.14 - 1.0 mm ²	LS1 F6, F7	10
74034000	POWER LS1 F SCM 1mm AU 0.14-1.0	1 mm male 0.14 - 1.0 mm ²	LS1 F6, F7	100
2mm contacts male				
74033101	POWER LS1 A SCM 2mm AU 0.5-2.5	2 mm male 0.5 - 2.5 mm ²	LSI A1, A3, G5	10
74033100	POWER LS1 A SCM 2mm AU 0.5-2.5	2 mm male 0.5 - 2.5 mm ²	LSI A1, A3, G5	100
74034101	POWER LS1 F SCM 2mm AU 0.5-2.5	2 mm male 0.5 - 2.5 mm ²	LS1 F6, F7	10
74034100	POWER LS1 F SCM 2mm AU 0.5-2.5	2 mm male 0.5 - 2.5 mm ²	LS1 F6, F7	100
44420103	POWER LS1 F SCM 2mm AU 4.0	2 mm male 4.0 mm ²	LS1 F6, F7	100
1mm contacts female				
74020601	M23/LS1 BCMS 1mm AU 0.14-1.0	1 mm female slot 0.14 - 1.0 mm ²	per inserts M23 (not D-Sub), LS1 D6, LS1 A6	10
74200600	M23/LS1 BCMS 1mm AU 0.14-1.0	1 mm female slot 0.14 - 1.0 mm ²	per inserts M23 (not D-Sub), LS1 D6, LS1 A6	100
74034501	M23/LS1 BCMD 1mm AU 0.14-1.0	1 mm female hyperboloid 0.14 - 1.0 mm ²	per inserts M23 (not D-Sub), LS1 D6, LS1 A6	10
74034500	M23/LS1 BCMD 1mm AU 0.14-1.0	1 mm female hyperboloid 0.14 - 1.0 mm ²	per inserts M23 (not D-Sub), LS1 D6, LS1 A6	100
2mm contacts female				
44429371	POWER LS1 D BCMF 2mm AU 0.5-2.5	2 mm female spring 0,5-2,5mm ²	LS1 D6, A6	10
2mm contacts female				
44429370	POWER LS1 D BCMF 2mm AU 0.5-2.5	2 mm female spring 0,5-2,5mm ²	LS1 D6, A6	100
44420104	POWER LS1 D BCMD 2mm AU 4.0	2 mm female hyperboloid 4 mm ²	for type D6, A6	10
44420105	POWER LS1 D BCMD 2mm AU 4.0	2 mm female hyperboloid 4 mm ²	for type D6, A6	100
44429001	POWER LS1 BCBG 2mm 1.0-2.5 (3000) RE	2 mm female 1.0 - 2.5 mm ²	LS1 D6, A6	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® POWER LS1 Tools

Contacts, tools, accessories for circular connectors



Article number	Article	Version	Pieces / PU
Tools			
11148000	Crimping tool	In tool case, without locator	1
11148001	4-mandrel digital crimping tool	In tool case, without locator	1
11148002	Crimping machine	Pneumatic for 5 - 10 bar, locator not included	1
11148300	Locator for crimping tool LS1, M23		1
75017400	LS1 removal tool for 1 mm contacts	For housing type A, G	1
75017500	LS1 removal tool for 2 mm contacts	For housing type A, G	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® POWER LS1 Accessories

Contacts, tools, accessories for circular connectors



Article number	Article	Version	Pieces / PU
EPIC® POWER LS1 Accessories			
75007810	M23-LS1 A, B, F, G protective cap	Plastic cap for A1, B1, B2, F6, F7, G4, G5, G6	20
75007710	M23 / LS1 D protective cap	Plastic cap for D6, A6	20
75018010	M23 A, B protective cap, plastic cord with cable lug	Metal cap for A1, A3, B1, B2	20
Accessories			
75018310	LS1 A, G, F screw cap, plastic cord with loop	Metal cap for A1, A3, F6, F7, G4, G5	20
55001310	SILVYN Adapter LS1/M25x1,5	For integrated cable glands 8.5 - 11mm, 10.5 - 15.5mm	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® POWER LS1.5 A1

Circular connectors for servomotors and power supply



EPIC® POWER LS1.5 A3

Circular connectors for servomotors and power supply



EPIC® POWER LS1.5 A6

Circular connectors for servomotors and power supply



Info

- Rotateable with 310° cable outlet

Suitable contacts:

EPIC® POWER LS1.5 A1

- EPIC® POWER LS1.5 Contacts male
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EPIC® POWER LS1.5 A3

- EPIC® POWER LS1.5 Contacts male
Page 662

EPIC® POWER LS1.5 A6

- EPIC® POWER LS1.5 Contacts female
Page 662
- The contacts have to be ordered separately

Benefits

- More power for servo motors
- Vibration-proof rugged design
- EMC version for cables with large cross-sections

Application range

- Plant engineering
- Servo drives and servo assemblies

Suitable tools

- EPIC® POWER LS1.5 Tools refer to
page 662

Technical data

Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC002635
ETIM 5.0/6.0 Class-Description:
Circular connector (industrial connector)

Rated voltage (V)
630 V (3.6 mm contacts)
250 V (2 mm contacts)

Rated impulse voltage
6 kV (3.6 mm contacts)
4 kV (2 mm contacts)

Rated current (A)
70 A (3.6-mm contacts) at 25 °C
30 A (2-mm contacts) at 25 °C

Pollution degree
3

Contacts
Gold-plated brass

Number of contacts
3+PE+2(3.6mm/2mm)
3+PE+4(3.6mm/2mm)

Termination methods
Crimp termination: 0.75 - 10 mm²
(3.6 mm contacts)
Crimp termination: 0.14 - 4.0 mm²
(2 mm contacts)

Material
Housing: nickel-plated zinc die-casting,
nickel-plated brass
Insert: PA,
Seal: FPM

Protection rating
IP 67

Cycle of mechanical operation
50

Temperature range
-20 °C až +125 °C

Article number	Article description	Fastening type	Pin configuration	Pieces / PU
Type LS1.5 A1 for male contacts				
44429308	EPIC® POWER LS1.5 A1	Ø 4.2 mm (4x)	3+PE+2	1
44429309	EPIC® POWER LS1.5 A1	Ø 4.2 mm (4x)	3+PE+4	1
Type LS1.5 A3 for male contacts				
44429306	EPIC® POWER LS1.5 A3	Ø 4.2 mm (4x)	3+PE+2	1
44429307	EPIC® POWER LS1.5 A3	Ø 4.2 mm (4x)	3+PE+4	1
Type LS1.5 A6 for female contacts				
44429316	EPIC® POWER LS1.5 A6	Ø 4.2 mm (4x)	3+PE+2	1
44429317	EPIC® POWER LS1.5 A6	Ø 4.2 mm (4x)	3+PE+4	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® POWER LS1.5 D6

Circular connectors for servomotors and power supply



EPIC® POWER LS1.5 F6

Circular connectors for servomotors and power supply



Info

- EMC protection

Suitable contacts:

EPIC® POWER LS1.5 D6

- EPIC® POWER LS1.5 Contacts female
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EPIC® POWER LS1.5 F6

- EPIC® POWER LS1.5 Contacts male
Page 662
- The contacts have to be ordered separately

Benefits

- More power for servo motors
- Vibration-proof rugged design
- EMC version for cables with large cross-sections

Application range

- Plant engineering
- Servo drives and servo assemblies

Suitable tools

- EPIC® POWER LS1.5 Tools refer to
page 662

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002635 ETIM 5.0/6.0 Class-Description: Circular connector (industrial connector)
	Rated voltage (V) 630 V (3.6 mm contacts) 250 V (2 mm contacts)
	Rated impulse voltage 6 kV (3.6 mm contacts) 4 kV (2 mm contacts)
	Rated current (A) 70 A (3.6-mm contacts) at 25 °C 30 A (2-mm contacts) at 25 °C
	Pollution degree 3
	Contacts Gold-plated brass

	Number of contacts 3+PE+2(3.6mm/2mm) 3+PE+4(3.6mm/2mm)
	Termination methods Crimp termination: 0.75 - 10 mm² (3.6 mm contacts) Crimp termination: 0.14 - 4.0 mm² (2 mm contacts)
	Material Housing: nickel-plated zinc die-casting, nickel-plated brass Insert: PA, Seal: FPM
	Protection rating IP 67
	Cycle of mechanical operation 50
	Temperature range -20 °C až +125 °C

Article number	Article description	Clamping range in mm	Pin configuration	Pieces / PU
Type LS1.5 D6 for female contacts				
44429310	EPIC® POWER LS1.5 D6	9 - 14	3+PE+2	1
44429311	EPIC® POWER LS1.5 D6	14 - 20.5	3+PE+2	1
44429312	EPIC® POWER LS1.5 D6	20.5 - 26.5	3+PE+2	1
44429313	EPIC® POWER LS1.5 D6	9 - 14	3+PE+4	1
44429314	EPIC® POWER LS1.5 D6	14 - 20.5	3+PE+4	1
44429315	EPIC® POWER LS1.5 D6	20.5 - 26.5	3+PE+4	1
Type LS1.5 F6 for male contacts				
44429300	EPIC® POWER LS1.5 F6	9 - 14	3+PE+2	1
44429301	EPIC® POWER LS1.5 F6	14 - 20.5	3+PE+2	1
44429302	EPIC® POWER LS1.5 F6	20.5 - 26.5	3+PE+2	1
44429303	EPIC® POWER LS1.5 F6	9 - 14	3+PE+4	1
44429304	EPIC® POWER LS1.5 F6	14 - 20.5	3+PE+4	1
44429305	EPIC® POWER LS1.5 F6	20.5 - 26.5	3+PE+4	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® POWER LS1.5 Contacts male

Contacts, tools, accessories for circular connectors



Info

- All contacts are high quality gold plated
- Only available as crimp version due to the high mechanical stress in servo applications

EPIC® POWER LS1.5 Contacts female

Contacts, tools, accessories for circular connectors



Info

- All contacts are high quality gold plated
- Slotted contacts with external pressure spring

EPIC® POWER LS1.5 Tools

Contacts, tools, accessories for circular connectors



Info

- Universal 4-indent crimping tool
- 2 different Crimping tool for contacts up to 6mm² and from 6mm²

Suitable tools

EPIC® POWER LS1.5 Contacts female

- Crimping tool for termination of 16 mm² wires are available upon request

Technical data



Classification ETIM 5/6

EPIC® POWER LS1.5 Contacts male

ETIM 5.0/6.0 Class-ID: EC000796

ETIM 5.0/6.0 Class-Description:

Contact for industrial connectors

EPIC® POWER LS1.5 Contacts female

ETIM 5.0/6.0 Class-ID: EC000796

ETIM 5.0/6.0 Class-Description:

Contact for industrial connectors

EPIC® POWER LS1.5 Tools

ETIM 5.0/6.0 Class-ID: EC000168

ETIM 5.0/6.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection

Article number	Article designation	Description	Version	For design	Pieces / PU
3.6 mm male contacts					
44429334	LS1.5 A SCEM 3,6MM AU 0,75-1,5		3.6 mm male 0.75 - 1.5	for type A1, A3	10
44429335	LS1.5 A SCEM 3,6MM AU 1,0-2,5		3.6 mm male 1.0 - 2.5 mm ²	for type A1, A3	10
44429336	LS1.5 A SCEM 3,6MM AU 1,5-4,0		3.6 mm male 1.5 - 4.0 mm ²	for type A1, A3	10
44429337	LS1.5 A SCEM 3,6MM AU 4,0-6,0		3.6 mm male 4.0 - 6.0 mm ²	for type A1, A3	10
44429338	LS1.5 A SCEM 3,6MM AU 6,0-10,0		3.6 mm male 6.0 - 10.0 mm ²	for type A1, A3	10
44429326	LS1.5 F SCEM 3,6MM AU 1,0-2,5		3.6 mm male 1.0 - 2.5 mm ²	for type F6	10
44429327	LS1.5 F SCEM 3,6MM AU 2,5-4,0		3.6 mm male 2.5 - 4.0 mm ²	for type F6	10
44429328	LS1.5 F SCEM 3,6MM AU 4,0-6,0		3.6 mm male 4.0 - 6.0 mm ²	for type F6	10
44429329	LS1.5 F SCEM 3,6MM AU 6,0-10,0		3.6 mm male 6.0 - 10.0 mm ²	for type F6	10
2 mm male contacts					
44429339	LS1.5 A SCEM 2MM AU 0,14-0,25		2 mm male 0.14 - 0.25 mm ²	for type A1, A3	10
44429340	LS1.5 A SCEM 2MM AU 0,25-1,0		2 mm male 0.25 - 1.0 mm ²	for type A1, A3	10
44429341	LS1.5 A SCEM 2MM AU 0,75-1,5		2 mm male 0.75 - 1.5 mm ²	for type A1, A3	10
44429342	LS1.5 A SCEM 2MM AU 1,0-2,5		2 mm male 1.0 - 2.5 mm ²	for type A1, A3	10
44429343	LS1.5 A SCEM 2MM AU 4,0		2 mm male 2.5-4.0 mm ²	for type A1, A3	10
44429330	LS1.5 F SCEM 2MM AU 0,25-1,0		2 mm male 0.25 - 1.0 mm ²	for type F6	10
44429331	LS1.5 F SCEM 2MM AU 0,75-1,5		2 mm male 0.75 - 1.5 mm ²	for type F6	10
44429332	LS1.5 F SCEM 2MM AU 1,0-2,5		2 mm male 1.0 - 2.5 mm ²	for type F6	10
44429333	LS1.5 F SCEM 2MM AU 2,5-4,0		2 mm male 2.5-4.0 mm ²	for type F6	10
3.6 mm female contacts					
44429318	LS1.5 D BCEM 3,6MM AU 1,0-2,5		3.6 mm female 1.0 - 2.5 mm ²	for type D6, A6	10
44429319	LS1.5 D BCEM 3,6MM AU 2,5-4,0		3.6 mm female 2.5 - 4.0 mm ²	for type D6, A6	10
44429320	LS1.5 D BCEM 3,6MM AU 4,0-6,0		3.6 mm female 4.0 - 6.0 mm ²	for type D6, A6	10
44429321	LS1.5 D BCEM 3,6MM AU 6,0-10,0		3.6 mm female 6.0 - 10.0 mm ²	for type D6, A6	10
2 mm female contacts					
44429322	LS1.5 D BCEM 2MM AU 0,25-1,0		2 mm female 0.25 - 1.0 mm ²	for type D6, A6	10
44429323	LS1.5 D BCEM 2MM AU 0,75-1,5		2 mm female 0.75 - 1.5 mm ²	for type D6, A6	10
44429324	LS1.5 D BCEM 2MM AU 1,0-2,5		2 mm female 1.0 - 2.5 mm ²	for type D6, A6	10
44429325	LS1.5 D BCEM 2MM AU 4,0		2 mm female 4.0 mm ²	for type D6, A6	10
Crimping tool					
44429367	LS1.5 CRIMPING TOOL 0.08 - 6.0	4-mandrel digital crimping tool including locator	0.14 - 6.0 mm ²	for LS1.5, LS3	1
44429368	LS1.5 CRIMPING TOOL 6.0 - 10.0	4-mandrel digital crimping tool including locator	6.0 - 10.0 mm ²	for LS1.5	1

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EPIC® POWER LS3 A1

Circular connectors for servomotors and power supply



EPIC® POWER LS3 D6

Circular connectors for servomotors and power supply



EPIC® POWER LS3 F6

Circular connectors for servomotors and power supply



Info

- Robust power supply connector

Suitable contacts:

EPIC® POWER LS3 A1

- EPIC® POWER LS3 male contacts
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EPIC® POWER LS3 D6

- EPIC® POWER LS3 female contacts
Page 664

EPIC® POWER LS3 F6

- EPIC® POWER LS3 male contacts
Page 664
- The contacts have to be ordered separately

Benefits

- More power for servo motors
- Robust against mechanical impacts
- EMC protection

Application range

- Plant engineering
- Servo drives and servo assemblies

Suitable tools

- EPIC® POWER LS3 Tools refer to page 664

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002635 ETIM 5.0/6.0 Class-Description: Circular connector (industrial connector)		Number of contacts 3+PE+2 (10mm / 1.6mm) 3+PE+4 (10mm / 1.6mm)
	Rated voltage (V) 630 V (10 mm contacts) 250 V (1.6 mm contacts)		Termination methods Crimp termination 10 - 50 mm² (10 mm contacts) Crimp termination 0.75 - 1.5 mm² (1.6 mm contacts)
	Rated impulse voltage 6 kV (10 mm contacts) 4 kV (1.6 mm contacts)		Material Housing: anodised aluminium Insert: PA Seal: FPM
	Rated current (A) 150 A (10-mm contacts) at 25 °C 12 A (1.6-mm contacts) at 25 °C		Protection rating IP 67
	Pollution degree 3		Cycle of mechanical operation 50
	Contacts Silver-plated brass Gold-plated brass		Temperature range -20 °C až +120 °C

Article number	Article description	Clamping range in mm	Fastening type	Pin configuration	Pieces / PU
Type LS3 A1 for male contacts					
44429352	LS3 A1		Ø 4.2 mm (4x)	3+PE+2	1
44429353	LS3 A1		Ø 4.2 mm (4x)	3+PE+4	1
Type LS3 D6 for female contacts					
44429344	LS3 D6	17 - 25		3+PE+2	1
44429345	LS3 D6	25 - 36		3+PE+2	1
44429346	LS3 D6	17 - 25		3+PE+4	1
44429347	LS3 D6	25 - 36		3+PE+4	1
Type LS3 F6 for male contacts					
44429348	LS3 F6	17 - 25		3+PE+2	1
44429349	LS3 F6	25 - 36		3+PE+2	1
44429350	LS3 F6	17 - 25		3+PE+4	1
44429351	LS3 F6	25 - 36		3+PE+4	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® POWER LS3 male contacts

Contacts, tools, accessories for circular connectors



Info

- Only available as crimp version due to the high mechanical stress in servo applications
- Power contacts silver plated, signal contacts gold plated

EPIC® POWER LS3 female contacts

Contacts, tools, accessories for circular connectors



Info

- Only available as crimp version due to the high mechanical stress in servo applications
- Power contacts silver plated, signal contacts gold plated

EPIC® POWER LS3 Tools

Contacts, tools, accessories for circular connectors



Info

- Complete tool set for all cable cross-sections
- Individual components available on request
- For the signal contacts crimping tool 44429367 is used

Technical data



Classification ETIM 5/6

EPIC® POWER LS3 male contacts

ETIM 5.0/6.0 Class-ID: EC000796

ETIM 5.0/6.0 Class-Description:

Contact for industrial connectors

EPIC® POWER LS3 female contacts

ETIM 5.0/6.0 Class-ID: EC000796

ETIM 5.0/6.0 Class-Description:

Contact for industrial connectors

EPIC® POWER LS3 Tools

ETIM 5.0/6.0 Class-ID: EC000168

ETIM 5.0/6.0 Class-Description: Crimp

tool cable lugs, cable end sleeves,

screen connection

Article number	Article designation	Description	Version	For design	Pieces / PU
EPIC® POWER LS3 male contacts					
44429360	LS3 A, F SCEM 10MM AG 10		10 mm male 10 mm ²	for type A1, F6	4
44429361	LS3 A, F SCEM 10MM AG 16		10 mm male 16 mm ²	for type A1, F6	4
44429362	LS3 A, F SCEM 10MM AG 25		10 mm male 25 mm ²	for type A1, F6	4
44429363	LS3 A, F SCEM 10MM AG 35		10 mm male 35 mm ²	for type A1, F6	4
44429364	LS3 A, F SCEM 10MM AG 50		10 mm male 50 mm ²	for type A1, F6	4
44429365	LS3 A, F SCEM 1.6MM AU 0.75-1.5		1.6 mm male 0.75 - 1.5 mm ²	for type A1, F6	4
EPIC® POWER LS3 female contacts					
44429354	LS3 D BCEM 10MM AG 10		10 mm female 10 mm ²	for type D6	4
44429355	LS3 D BCEM 10MM AG 16		10 mm female 16 mm ²	for type D6	4
44429356	LS3 D BCEM 10MM AG 25		10 mm female 25 mm ²	for type D6	4
44429357	LS3 D BCEM 10MM AG 35		10 mm female 50 mm ²	for type D6	4
44429358	LS3 D BCEM 10MM AG 50		10 mm female 35 mm ²	for type D6	4
44429359	LS3 D BCEM 1.6MM AU 0.75-1.5		1.6 mm female 0.75 - 1.5 mm ²	for type D6	4
Crimping tool					
44429366	LS3 crimping tool 10.0 - 50.0	Electro-hydraulic crimping tool includes charging device, accumulator and crimping dies for 10 - 50 mm ²	10.0 - 50.0 mm ²	for LS3	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® POWERLOCK A1 S

Single-pin circular connector for mobile power distribution, electro motors and generators



EPIC® POWERLOCK A6 S

Single-pin circular connector for mobile power distribution, electro motors and generators



Info

- Connector for unscreened single-core power cables

Suitable contacts:

- EPIC® POWERLOCK Screw contacts Page 668
- Housing without contact, order contact separately

Benefits

- Resistant to mechanical influences in harsh environmental conditions
- Connectors in harmonised colours according to European standards
- Every colour has a different coding to prevent incorrect plugging

Application range

- For renewable energy plants e.g. wind power
- For mobile and stationary power distribution
- For the connection of motors, transformers and generators
- Light & sound technology

Product features

- Panel-mount base, straight entry, flat gasket included
- Contact fixing by contact retention pin, each pin can only be used once
- Housing without contact, order contact separately

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000437 ETIM 5.0/6.0 Class-Description: Housing for industrial connectors		Termination methods Screw termination: 50 - 120 mm ²
	Rated voltage (V) 1000 V		Material Housing: PBT Contact retention pin: PA
	Rated impulse voltage 8 kV		Protection rating IP 67 (maximum, dependant on cable gland used) IP 20 (unmated)
	Rated current (A) Screw max. 400 A		Cycle of mechanical operation 500
	Pollution degree 3		VDE-tested VDE Reg. No. D42
	Contacts Screw termination: silver-plated brass		Temperature range -25°C up to +125°C
	Number of contacts 1		

Article number	Article description	Fastening type	Pin configuration	Pieces / PU
POWERLOCK panel-mount box without contact				
Panel-mount box A1, drain				
44420272	POWERLOCK A1 PE/GN	Ø 5.5 mm (4x)	PE, Green	1
44420273	POWERLOCK A1 N/BL	Ø 5.5 mm (4x)	N, Blue	1
44420274	POWERLOCK A1 L1/BN	Ø 5.5 mm (4x)	L1, Brown	1
44420275	POWERLOCK A1 L2/BK	Ø 5.5 mm (4x)	L2, Black	1
44420276	POWERLOCK A1 L3/GY	Ø 5.5 mm (4x)	L3, Grey	1
For direct current applications in conjunction with L2/black				
44420320	POWERLOCK A1 L1/RD	Ø 5.5 mm (4x)	L1, Red	1
Panel-mount box A6, source				
44420277	POWERLOCK A6 PE/GN	Ø 5.5 mm (4x)	PE, Green	1
44420278	POWERLOCK A6 N/BL	Ø 5.5 mm (4x)	N, Blue	1
44420279	POWERLOCK A6 L1/BN	Ø 5.5 mm (4x)	L1, Brown	1
44420280	POWERLOCK A6 L2/BK	Ø 5.5 mm (4x)	L2, Black	1
44420281	POWERLOCK A6 L3/GY	Ø 5.5 mm (4x)	L3, Grey	1
Type A6, source - for direct current applications in conjunction with L2/black				
44420321	POWERLOCK A6 L1/RD	Ø 5.5 mm (4x)	L1, Red	1

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EPIC® POWERLOCK D6 S

Single-pin circular connector for mobile power distribution, electro motors and generators



EPIC® POWERLOCK F6 S

Single-pin circular connector for mobile power distribution, electro motors and generators



Info

- Connector for unscreened single-core power cables

Suitable contacts:

- EPIC® POWERLOCK Screw contacts
Page 668
- Housing without contact, order contact separately

Benefits

- Resistant to mechanical influences in harsh environmental conditions
- Connectors in harmonised colours according to European standards
- Every colour has a different coding to prevent incorrect plugging

Application range

- For renewable energy plants e.g. wind power
- For mobile and stationary power distribution
- For the connection of motors, transformers and generators
- Light & sound technology

Product features

- Straight connector with M40 thread
- Order SKINTOP® ST-M 40 or STR-M 40 separately
- Contact fixing by contact retention pin, each pin can only be used once
- Housing without contact, order contact separately

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000437
ETIM 5.0/6.0 Class-Description:
Housing for industrial connectors



Rated voltage (V)

1000 V



Rated impulse voltage

8 kV



Rated current (A)

Screw max. 400 A



Pollution degree

3



Contacts

Screw termination: silver-plated brass



Number of contacts

1



Termination methods

Screw termination: 50 - 120 mm²



Material

Housing: PBT
Contact retention pin: PA



Protection rating

IP 67 (maximum, dependant on cable gland used)
IP 20 (unmated)



Cycle of mechanical operation

500



VDE-tested

VDE Reg. No. D42



Temperature range

-25 °C up to +125 °C

Article number	Article description	M	Pin configuration	Pieces / PU
POWERLOCK D6 coupling connector / F6 ohne Kontakt (for screw contact)				
Type D6, source				
44420267	POWERLOCK D6 PE/GN	40	PE, Green	1
44420268	POWERLOCK D6 N/BL	40	N, Blue	1
44420269	POWERLOCK D6 L1/BN	40	L1, Brown	1
44420270	POWERLOCK D6 L2/BK	40	L2, Black	1
44420271	POWERLOCK D6 L3/GY	40	L3, Grey	1
For direct current applications in conjunction with L2/black				
44420305	POWERLOCK D6 L1/RD	40	L1, Red	1
Type F6, drain				
44420262	POWERLOCK F6 PE/GN	40	PE, Green	1
44420263	POWERLOCK F6 N/BL	40	N, Blue	1
44420264	POWERLOCK F6 L1/BN	40	L1, Brown	1
44420265	POWERLOCK F6 L2/BK	40	L2, Black	1
44420266	POWERLOCK F6 L3/GY	40	L3, Grey	1
For direct current applications in conjunction with L2/black				
44420301	POWERLOCK F6 L1/RD	40	L1, Red	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



POWERLOCK BOX S*

Circular connectors for servomotors and power supply



Info

- Can be locked to prevent unauthorised disconnection



Benefits

- Guarantees the correct sequence is followed when connecting and disconnecting a set of connectors (PE, N, L1, L2, L3)
- Every colour has a different coding to prevent incorrect plugging
- IP 20 finger-protected
- Integrated micro-switch that can be connected to circuit breaker or alarm circuit

Application range

- Alternative energy installations
- For mobile and stationary power distribution
- For the connection of motors, transformers and generators
- Light & sound technology

Housings

- Sealed security lid is optional

Product features

- Included: Contacts with M12 threaded post
- Cable connector for microswitch optional
- 19" housing with height unit 2HE/2U

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002635 ETIM 5.0/6.0 Class-Description: Circular connector (industrial connector)		Contacts Screw termination: silver-plated brass
	Rated voltage (V) 1000 V		Number of contacts 4 + PE
	Rated current (A) Screw max. 400 A		Termination methods Screw termination: 50 - 120 mm²
	Pollution degree 3		Protection rating IP 67
			Cycle of mechanical operation 500
			Temperature range -20 °C ... +85 °C

Article number	Article description	Fastening type	Pin configuration	Pieces / PU
POWERLOCK BOX, panel-mount base with contacts (M12 threaded posts)				
Type A1, drain				
44420282	POWERLOCK BOX A1 S	Ø 6.5 mm (4x)	4+PE	1
Type A1, drain, with cover				
44420283	POWERLOCK BOX A1 SD	Ø 6.5 mm (4x)	4+PE	1
Type A6, source				
44420286	POWERLOCK BOX A6 S	Ø 6.5 mm (4x)	4+PE	1
Type A6, source, with cover				
44420287	POWERLOCK BOX A6 SD	Ø 6.5 mm (4x)	4+PE	1

* Trade product, no Lapp product

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EPIC® POWERLOCK Screw contacts

Contacts, tools, accessories for circular connectors



Info

- Screw max. 400 A
- Do not plug with crimp-type (660 A)

Article number	Article designation	Version	For design	PU
Contact with M12 threaded post, contact retaining pin included				
For type POWERLOCK A1 S, drain				
44420241	POWERLOCK SP M12	Contact Drain, M12 Thread for cable lugs	for type A1	1
For type POWERLOCK A6 S, source				
44420242	POWERLOCK QP M12	Lamella contact source, M12 thread for cable lug	for type A6	1
Screw contact, contact retaining pin included				
For type POWERLOCK D6 S, source				
44420237	POWERLOCK QS 120	120 mm ²	for type D6	1
For type POWERLOCK F6 S, drain				
44420232	POWERLOCK SS 120	120 mm ²	for type F6	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

EPIC® POWERLOCK Tools

Contacts, tools, accessories for circular connectors



Article number	Article description	Version	PU
Tools			
44420243	Disconnection tool	for mated connection	1

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EPIC® POWERLOCK Accessories

Contacts, tools, accessories for circular connectors



Article number	Article	For design	Version	PU
Protective caps				
44420252	POWERLOCK PROTECTION CAP A1	for type A1	IP54	1
44420253	POWERLOCK PROTECTION CAP A6	for type A6	IP54	1
44420251	POWERLOCK PROTECTION CAP D6	for type D6	IP54	1
44420250	POWERLOCK PROTECTION CAP F6	for type F6	IP54	1
Spare part: Contact retention pin				
44420259	POWERLOCK RETENTION PIN A1, A6	for type A1, A6		1
44420255	POWERLOCK RETENTION PIN D6	for type D6		1
44420254	POWERLOCK RETENTION PIN F6	for type F6		1
Conductor end sleeves for POWERLOCK screw contact				
44420244	POWERLOCK WIRE SLEEVE 120	Spare part for POWERLOCK 120 SS/QS contact	120 mm ²	1
44420245	POWERLOCK WIRE SLEEVE SET 95	Reduction set for POWERLOCK 120 SS/QS screw contact	95mm ²	1
44420246	POWERLOCK WIRE SLEEVE SET 70	Reduction set for POWERLOCK 120 SS/QS screw contact	70 mm ²	1
44420247	POWERLOCK WIRE SLEEVE SET 50	Reduction set for POWERLOCK 120 SS/QS screw contact	50 mm ²	1

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® POWERLOCK A1 C

Single-pin circular connector for mobile power distribution, electro motors and generators



EPIC® POWERLOCK A6 C

Single-pin circular connector for mobile power distribution, electro motors and generators



Info

- Connector for unscreened single-core power cables

Suitable contacts:

- EPIC® POWERLOCK Crimp contacts Page 672
- Housing without contact, order contact separately

Benefits

- Resistant to mechanical influences in harsh environmental conditions
- Connectors in harmonised colours according to European standards
- Every colour has a different coding to prevent incorrect plugging

Application range

- For renewable energy plants e.g. wind power
- For mobile and stationary power distribution
- For the connection of motors, transformers and generators
- Light & sound technology

Product features

- Panel-mount base, straight entry, flat gasket included
- Contact fixing by contact retention pin, each pin can only be used once
- Housing without contact, order contact separately

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000437 ETIM 5.0/6.0 Class-Description: Housing for industrial connectors
	Rated voltage (V) 1000 V
	Rated impulse voltage 8 kV
	Rated current (A) Max. crimp 660 A
	Pollution degree 3
	Contacts Crimp termination: copper, silver-plated
	Number of contacts 1

	Termination methods Crimp termination: 35 - 240 mm²
	Material Housing: PBT Contact retention pin: PA
	Protection rating IP 67 (maximum, dependant on cable gland used) IP 20 (unmated)
	Cycle of mechanical operation 500
	VDE-tested VDE Reg. No. D42
	Temperature range -25°C up to +125°C

Article number	Article description	Fastening type	Pin configuration	Pieces / PU
POWERLOCK panel-mount box without contact				
Panel-mount box A1, drain				
44420221	POWERLOCK A1 PE/GN	Ø 5.5 mm (4x)	PE, Green	1
44420222	POWERLOCK A1 N/BL	Ø 5.5 mm (4x)	N, Blue	1
44420223	POWERLOCK A1 L1/BN	Ø 5.5 mm (4x)	L1, Brown	1
44420224	POWERLOCK A1 L2/BK	Ø 5.5 mm (4x)	L2, Black	1
44420225	POWERLOCK A1 L3/GY	Ø 5.5 mm (4x)	L3, Grey	1
For direct current applications in conjunction with L2/black				
44420316	POWERLOCK A1 L1/RD	Ø 5.5 mm (4x)	L1, Red	1
POWERLOCK panel-mount box without contact				
Panel-mount box A6, source				
44420226	POWERLOCK A6 PE/GN	Ø 5.5 mm (4x)	PE, Green	1
44420227	POWERLOCK A6 N/BL	Ø 5.5 mm (4x)	N, Blue	1
44420228	POWERLOCK A6 L1/BN	Ø 5.5 mm (4x)	L1, Brown	1
44420229	POWERLOCK A6 L2/BK	Ø 5.5 mm (4x)	L2, Black	1
44420230	POWERLOCK A6 L3/GY	Ø 5.5 mm (4x)	L3, Grey	1
For direct current applications in conjunction with L2/black				
44420317	POWERLOCK A6 L1/RD	Ø 5.5 mm (4x)	L1, Red	1

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EPIC® POWERLOCK D6 C

Single-pin circular connector for mobile power distribution, electro motors and generators



EPIC® POWERLOCK F6 C

Single-pin circular connector for mobile power distribution, electro motors and generators



Info

- Connector for unscreened single-core power cables

Suitable contacts:

- EPIC® POWERLOCK Crimp contacts
Page 672
- Housing without contact, order contact separately

Benefits

- Resistant to mechanical influences in harsh environmental conditions
- Connectors in harmonised colours according to European standards
- Every colour has a different coding to prevent incorrect plugging

Application range

- For renewable energy plants e.g. wind power
- For mobile and stationary power distribution
- For the connection of motors, transformers and generators
- Light & sound technology

Product features

- Straight connector with M40 thread
- Order SKINTOP® ST-M 40 or STR-M 40 separately
- Contact fixing by contact retention pin, each pin can only be used once
- Housing without contact, order contact separately

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000437
ETIM 5.0/6.0 Class-Description:
Housing for industrial connectors



Rated voltage (V)
1000 V



Rated impulse voltage
8 kV



Rated current (A)
Max. crimp 660 A



Pollution degree
3



Contacts
Crimp termination: copper, silver-plated



Number of contacts
1



Termination methods

Crimp termination: 35 - 240 mm²



Material

Housing: PBT
Contact retention pin: PA



Protection rating

IP 67 (maximum, dependant on cable gland used)
IP 20 (unmated)



Cycle of mechanical operation

500



VDE-tested

VDE Reg. No. D42



Temperature range

-25°C up to +125°C

Article number	Article description	M	Pin configuration	Pieces / PU
POWERLOCK panel-mount box without contact				
Panel-mount box D6, source				
44420216	POWERLOCK D6 PE/GN	40	PE, Green	1
44420217	POWERLOCK D6 N/BL	40	N, Blue	1
44420218	POWERLOCK D6 L1/BN	40	L1, Brown	1
44420219	POWERLOCK D6 L2/BK	40	L2, Black	1
44420220	POWERLOCK D6 L3/GY	40	L3, Grey	1
For direct current applications in conjunction with L2/black				
44420319	POWERLOCK D6 L1/RD	40	L1, Red	1
POWERLOCK connector without contacts (for crimp contact)				
Type POWERLOCK F6, drain				
44420211	POWERLOCK F6 PE/GN	40	PE, Green	1
44420212	POWERLOCK F6 N/BL	40	N, Blue	1
44420213	POWERLOCK F6 L1/BN	40	L1, Brown	1
44420214	POWERLOCK F6 L2/BK	40	L2, Black	1
44420215	POWERLOCK F6 L3/GY	40	L3, Grey	1
For direct current applications in conjunction with L2/black				
44420318	POWERLOCK F6 L1/RD	40	L1, Red	1

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POWERLOCK BOX C*

Circular connectors for servomotors and power supply



Info

- Can be locked to prevent unauthorised disconnection



Benefits

- Guarantees the correct sequence is followed when connecting and disconnecting a set of connectors (PE, N, L1, L2, L3)
- Every colour has a different coding to prevent incorrect plugging
- IP 20 finger-protected
- Integrated micro-switch that can be connected to circuit breaker or alarm circuit

Application range

- Alternative energy installations
- For mobile and stationary power distribution
- For the connection of motors, transformers and generators
- Light & sound technology

Housings

- Sealed security lid is optional

Product features

- Included: Contacts with M12 threaded post
- Cable connector for microswitch optional
- 19" housing with height unit 2HE/2U

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002635 ETIM 5.0/6.0 Class-Description: Circular connector (industrial connector)		Contacts Crimp termination: copper, silver-plated
	Rated voltage (V) 1000 V		Number of contacts 4 + PE
	Rated current (A) Max. crimp 660 A		Termination methods Crimp termination: 35 - 240 mm ²
	Pollution degree 3		Protection rating IP 65 (latched)
			Cycle of mechanical operation 500
			Temperature range -25°C ... +85°C

Article number	Article description	Fastening type	Pin configuration	Pieces / PU
POWERLOCK BOX, panel-mount base with contacts (M 12 threaded posts)				
Panel-mount box A1, drain				
44420288	POWERLOCK BOX A1 C	Ø 6.5 mm (4x)	4+PE	1
Type A1, drain, with cover				
44420289	POWERLOCK BOX A1 CD	Ø 6.5 mm (4x)	4+PE	1
Type A6, source				
44420284	POWERLOCK BOX A6 C	Ø 6.5 mm (4x)	4+PE	1
Type A6, source, with cover				
44420285	POWERLOCK BOX A6 CD	Ø 6.5 mm (4x)	4+PE	1

* Trade product, no Lapp product

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EPIC® POWERLOCK Crimp contacts

Contacts, tools, accessories for circular connectors



Info

- Max. crimp 660 A
- Do not plug with screw-type (400 A)

Article number	Article designation	Version	Crimp sunk	PU
For type POWERLOCK A1 C, drain				
44420260	POWERLOCK SP M12	Contact Drain, M12 Thread for cable lugs		1
For type POWERLOCK A6 C, source				
44420261	POWERLOCK QP M12	Lamella contact source, M12 thread for cable lug		1
Source - crimp contact for type POWERLOCK D6 C, contact retaining pin included				
44420290	POWERLOCK QCM 35	35 mm ²	35	1
44420291	POWERLOCK QCM 50	50 mm ²	50	1
44420292	POWERLOCK QCM 70	70 mm ²	70	1
44420236	POWERLOCK QCM 95	95mm ²	95	1
44420554	POWERLOCK QCM 120 NEW	120 mm ²	120	1
44420556	POWERLOCK QCM 150 NEW	150 mm ²	150	1
44420558	POWERLOCK QCM 185 NEW	185 mm ²	185	1
44420324	POWERLOCK QCM 240 NEW	240mm ²	240	1
For type POWERLOCK F6 C, drain				
44420293	POWERLOCK SCM 35	35 mm ²	35	1
44420294	POWERLOCK SCM 50	50 mm ²	50	1
44420295	POWERLOCK SCM 70	70 mm ²	70	1
44420231	POWERLOCK SCM 95	95mm ²	95	1
44420555	POWERLOCK SCM 120 NEW	120 mm ²	120	1
44420557	POWERLOCK SCM 150 NEW	150 mm ²	150	1
44420559	POWERLOCK SCM 185 NEW	185 mm ²	185	1
44420339	POWERLOCK SCM 240 NEW	240mm ²	240	1

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EPIC® POWERLOCK Tools

Contacts, tools, accessories for circular connectors



Article number	Article description	Version	PU
Tools			
44420243	Disconnection tool	for mated connection	1
44420337	Crimping tool		1
44420330	Crimp die for Crimp tool	50 mm ²	1
44420331	Crimp die for Crimp tool	70 mm ²	1
44420332	Crimp die for Crimp tool	95mm ²	1
44420333	Crimp die for Crimp tool	120 mm ²	1
44420334	Crimp die for Crimp tool	150 mm ²	1
44420335	Crimp die for Crimp tool	185 mm ²	1
44420336	Crimp die for Crimp tool	240 mm ²	1

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EPIC® POWERLOCK Accessories

Contacts, tools, accessories for circular connectors



Article number	Article	For design	Version	PU
Protective caps				
44420252	POWERLOCK PROTECTION CAP A1	for type A1	IP54	1
44420253	POWERLOCK PROTECTION CAP A6	for type A6	IP54	1
44420251	POWERLOCK PROTECTION CAP D6	for type D6	IP54	1
44420250	POWERLOCK PROTECTION CAP F6	for type F6	IP54	1
Spare part: Contact retention pin				
44420259	POWERLOCK RETENTION PIN A1, A6	for type A1, A6		1
44420255	POWERLOCK RETENTION PIN D6	for type D6		1
44420254	POWERLOCK RETENTION PIN F6	for type F6		1

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EPIC® SOLAR 4 M



EPIC® SOLAR 4 F



Info

- 4 mm connector system with double hook
- Field-mountable solar connector



Info

- 4 mm connector system with double hook
- Field-mountable solar connector

Benefits

- Low contact-resistance for efficient power transmission
- Crimp connection for field mounting
- Suitable for various ÖLFLEX® SOLAR cables

Application range

- Photovoltaic plants
- Crystalline and thin-film constructions
- Solartracker

Product features

- 4 mm connector system with double hook
- Inclusive contacts

Suitable cables

- H1Z2Z2-K 158
- ÖLFLEX® SOLAR XLWP 159

Suitable tools

- EPIC® SOLAR TOOL
- For easier assembly of the plastic parts, use EPIC® SOLAR 4 Assembly Tool Set (2 pieces). Holder for insulation body, spanner for cap nut and pins for unlocking

Suitable connectors

- EPIC® SOLAR 4 F
- EPIC® SOLAR 4 M 673

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002635 ETIM 5.0/6.0 Class-Description: Circular connector (industrial connector)
	Rated voltage (V) 1000 V AC/DC
	Rated impulse voltage 8 kV
	Pollution degree 3
	Contact resistance < 0.5 mOhm
	Protection rating IP 67
	Protection class II
	Temperature range -40°C to +105°C

Article number	Article designation	Cross-section (mm²)	Clamping range in mm	Rated current (A)	PU
EPIC® SOLAR 4 male field-mountable, inclusive contacts					
44428200	EPIC® SOLAR 4 M 2.5 mm²	2.5	4.8 - 6.0	22	100
44428201	EPIC® SOLAR 4 M 4mm² ... 6mm²	4 - 6	5.2 - 7.1	30	100
EPIC® SOLAR 4 female field-mountable, inclusive contacts					
44428203	EPIC® SOLAR 4 F 2.5 mm²	2.5	5.2 - 6.5	22	100
44428204	EPIC® SOLAR 4 F 4mm² ... 6mm²	4 - 6	5.2 - 7.1	30	100
EPIC® SOLAR 4 assembly tool					
44428224	EPIC® SOLAR 4 Assembly Tool Set				1

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EPIC® CRIMPTOOL



EPIC® SOLAR TOOL CSC

Cutting, stripping and crimping with just one tool



Info

- Cutting, stripping and crimping with just one tool

EPIC® SOLAR TOOL

3 cross section in one tool



Info

- 3 cross section in one tool

Application range

- For crimping of the photovoltaic connector EPIC® SOLAR 4 in the field
- For EPIC® SOLAR 4 and MC4 suitable

Product features

EPIC® SOLAR TOOL CSC

- Multifunctional die for cutting, stripping and crimping with just one tool
- Locator (LOC) for the safe and accurate positioning of the crimping contacts

EPIC® SOLAR TOOL

- Crimping die (DIE) for the cable cross sections of 2.5mm² up to 10mm²
- Locator (LOC) for the safe and accurate positioning of the crimping contacts

Suitable cables

- H1Z2Z2-K 158
- ÖLFLEX® SOLAR XLWP 159

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000168
ETIM 5.0/6.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection

Article number	Article description	Cross-section (min) in mm²	Cross-section (max) in mm²	PU
Tools				
11147000	Crimping tool			
Multi-functional die CSC				
44428992	EPIC® SOLAR TOOL CSC DIE 4mm²		4	1
44428993	EPIC® SOLAR Tool CSC DIE 6mm²		6	1
44428994	EPIC® SOLAR TOOL LOC 4, 6mm²	4	6	1
Crimping die				
44428995	EPIC® SOLAR Tool DIE 2.5, 4, 6mm²	2.5	6	1
44428996	EPIC® SOLAR Tool LOC 2.5, 4, 6mm²	2.5	6	1

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EPIC® SOLAR 4 Splitter

Connector system for weatherproof cabling of photovoltaic systems



Info

- 4 mm connector system with double hook
- Splitter for parallel connection of photovoltaic modules



Benefits

- Splitter for parallel connection of PV-modules and strings
- Easy plug and play
- Fixing option for a clear installation with a Ø 5mm mounting hole

Application range

- Photovoltaic plants
- Crystalline and thin-film constructions
- Solartracker

Product features

- Mateable with EPIC® SOLAR 4 THIN, EPIC® SOLAR 4PLUS, EPIC® SOLAR 4
- Splitter MFF 1x connection male, 2x connection female
- Splitter MFF 1x connection female, 2x connection male

Suitable connectors

- EPIC® SOLAR 4
- EPIC® SOLAR 4Plus

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002635
ETIM 5.0/6.0 Class-Description:
Circular connector (industrial connector)



Rated voltage (V)

1000 V AC/DC

Rated impulse voltage

8 kV



Rated current (A)

30 A



Pollution degree

3



Protection rating

IP65/IP67



Cycle of mechanical operation

100

Protection class

II



Temperature range

-40 °C ... +85 °C

Article number	Article designation	PU
EPIC® SOLAR 4 Splitter		
44428226	EPIC® SOLAR 4 Splitter MFF	25
44428227	EPIC® SOLAR 4 Splitter FMM	25

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CHARGE KIT charging station

Set consisting of charging socket Type 2, electric contactor, actuator cable and controller



Info

- Suitable for 16A continuous load

Benefits

- Installation kit for individual charging station designs

Application range

- Direct charge: Charging starts directly if connected and readiness for charging is available
- Switch function: Charging starts after authorisation via 12 V signal through e.g. RFID, key switch, ...
- Installation kit charging station for individual configurations

Product Make-up

- Charging socket: Standard (SO), with LED diagnosis (LED), 2-4-point fixing (2-4) or with shutter function (SHTR)
- EVCP2 controller: Integrated power supply 230V on 12V. Connection of RGB/ LED, max. 75 mA and RS485 possible
- Circuit breaker (MCB) B6A, 1p+N (control); C16A or C32A, 3p+N (load)
- With connector locking and matching actuator

Technical data

	Nominal voltage 250 V
	Protection rating IP 54
	Temperature range -30°C up to +50°C

Article number	Article designation	Power	Charging socket	Installation protection
CHARGE KIT for direct charge				
74880602	CHARGE KIT T2 DL 20A 11kW SO	11 kW	Type 2/ Mode3/ 20A	24 A
74880606	CHARGE KIT T2 DL 20A 11kW SO LED	11 kW	Type 2/ Mode3/ 20A	24 A
74880610	CHARGE KIT T2 DL 20A 11kW SO SHTR	11 kW	Type 2/ Mode3/ 20A	24 A
74880614	CHARGE KIT T2 DL 20A 11kW SO 2-4	11 kW	Type 2/ Mode3/ 20A	24 A
74880603	CHARGE KIT T2 DL 32A 22kW SO	22 kW	Type 2/ Mode3/ 32A	40 A
74880607	CHARGE KIT T2 DL 32A 22kW SO LED	22 kW	Type 2/ Mode3/ 32A	40 A
74880615	CHARGE KIT T2 DL 32A 22kW SO 2-4	22 kW	Type 2/ Mode3/ 32A	40 A
74880611	CHARGE KIT T2 DL 32A 22kW SO SHTR	22 kW	Type 2/ Mode3/ 32A	40 A
CHARGE KIT for switching function				
74880600	CHARGE KIT T2 SF 20A 11kW SO	11 kW	Type 2/ Mode3/ 20A	40 A
74880604	CHARGE KIT T2 SF 20A 11kW SO LED	11 kW	Type 2/ Mode3/ 20A	24 A
74880608	CHARGE KIT T2 SF 20A 11kW SO SHTR	11 kW	Type 2/ Mode3/ 20A	24 A
74880612	CHARGE KIT T2 SF 20A 11kW SO 2-4	11 kW	Type 2/ Mode3/ 20A	24 A
74880601	CHARGE KIT T2 SF 32A 22kW SO	22 kW	Type 2/ Mode3/ 32A	40 A
74880605	CHARGE KIT T2 SF 32A 22kW SO LED	22 kW	Type 2/ Mode3/ 32A	40 A
74880609	CHARGE KIT T2 SF 32A 22kW SO SHTR	22 kW	Type 2/ Mode3/ 32A	40 A
74880613	CHARGE KIT T2 SF 32A 22kW SO 2-4	22 kW	Type 2/ Mode3/ 32A	40 A

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



Mobile CHARGE box



Benefits

- Robust mobile charging station for construction sites, car workshops and temporary events

Product features

- Direct charge - charging starts without pre-authorisation
- Start-stop-button or key switch for start or end of the charging process
- Energy reserve in case of power failure
- Overheating monitoring
- Delivered ready for use

Product Make-up

- Solid rubber grip with nose for cable fixing
- Lockable stainless-steel quicklock
- Openable cover, user-friendly access to the safety devices
- High rubber feet protects against dirt on the floor
- Charging load limitation (32A variants) by switch from 22kW/ 32A to 11kW/ 16A. Works only with Type 2 charging connector 22kW/ 32A (220Ω)

Technical data

 **Nominal voltage**
200-250 V

Article number	Article designation	Power	Charging socket	Installation protection
Direct charge				
74880628	CHARGE MOBILE T2 DL 16A 11kW SO LED	11 kW	Type 2/ Mode3/ 16A	16 A
74880631	CHARGE MOBILE T2 DL 32A 22kW SO LED	22 kW	Type 2/ Mode3/ 32A	32 A
Key switch				
74880630	CHARGE MOBILE T2 KS 16A 11kW SO LED	11 kW	Type 2/ Mode3/ 16A	16 A
74880633	CHARGE MOBILE T2 KS 32A 22kW SO LED	22 kW	Type 2/ Mode3/ 32A	32 A
Start-stop-button				
74880629	CHARGE MOBILE T2 SSB 16A 11kW SO LED	11 kW	Type 2/ Mode3/ 16A	16 A
74880632	CHARGE MOBILE T2 SSB 32A 22kW SO LED	22 kW	Type 2/ Mode3/ 32A	32 A

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EVCS2 Tester type 2

Test device for EVCS charging facilities (Type 2 socket)



Benefits

- Ensure that your charging station works properly and is safe to use
- Preset of charging cable coding to test max. charging current, check of PE-connection between PWM and vehicle connector, Simulation of disconnection of the PE-ground wire
- Simulation of different car status values, monitoring of PWM-signal (measurement socket CP) / of phase L1, L2, L3, rotating field indication, test sockets (for simulation of external failure currents)

Application range

- Handy device for simulation of different status at a charging station
- Easy simulation of charging cable resistor coding, charging status changes or failures
- Integrated measuring signal enables easy visualisation of CP CWM signal (e.g. on oscilloscope)

Product Make-up

- Dimensions HxWxD: 205x105x40 mm
- Plastic housing with rubber covering on the sites
- Charging connector Type 2 with 1 m connection cable

Article number	Article designation
EVCS2 Tester type 2	
74880624	EVCS2 Tester Typ 2

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Test adapter T2 on T1

Accessory for EVCS2 Tester Typ 2



Product features

- For testing Typ 1 charging cables on the EVCS 2 Tester

Article number	Article designation
Test adapter T2 on T1	
74880627	Adapter T2 ON T1

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Test adapter RCD

Accessory for EVCS2 Tester Typ 2



Benefits

- For connection of a RCD testing device

Product features

- German or french socket outlet ground receptacle
- Adapter cable: H07RN-F 3G 2,5mm black
- 3x laboratory connector on socket outlet ground receptacle

Article number	Article designation
Test adapter RCD	
74880626	Adapter RCD FRENCH
74880625	Adapter RCD GERMAN

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