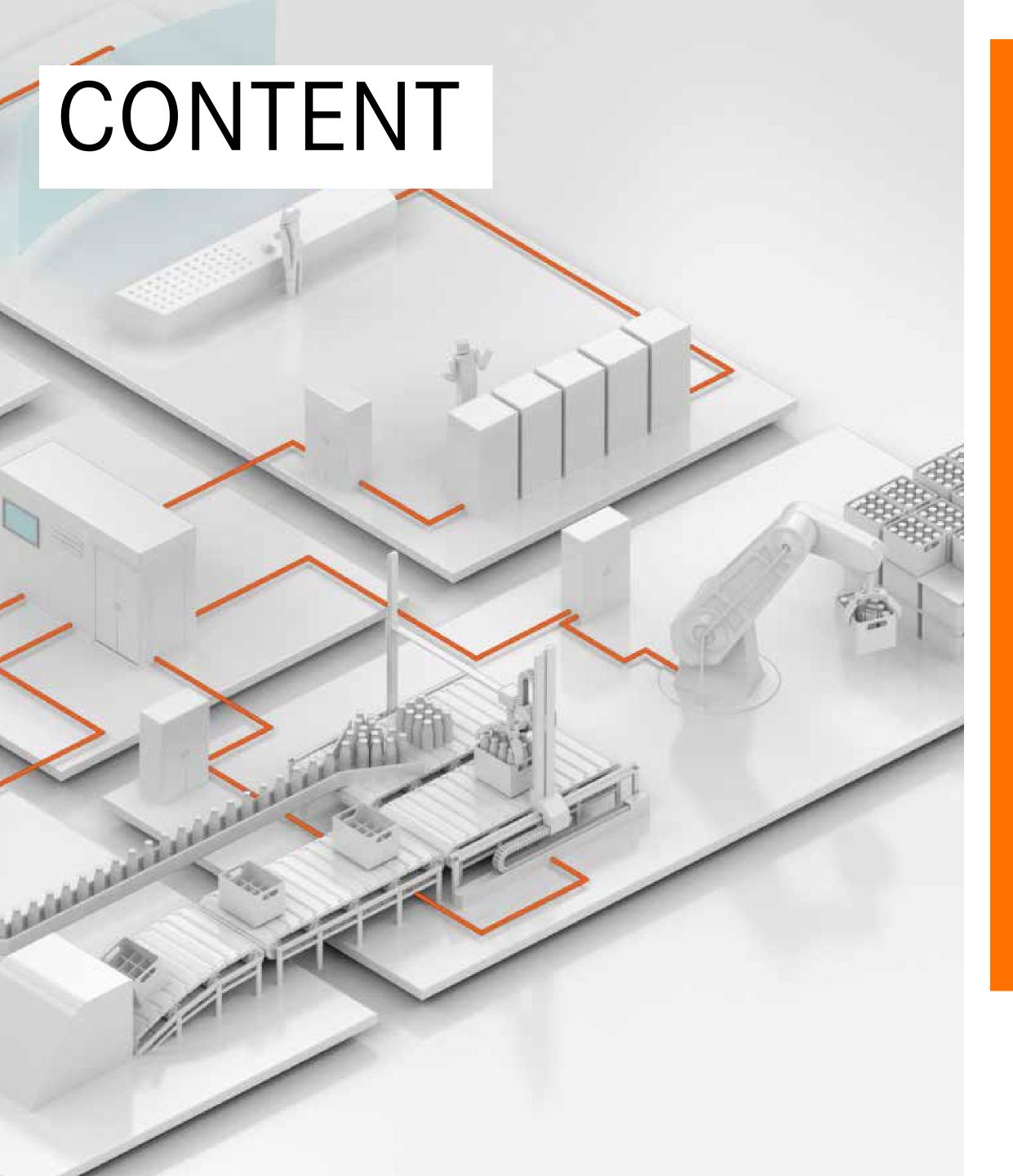
Innovations 2024 April





Our product brands ÖLFLEX®, UNITRONIC®, ETHERLINE® and HITRONIC®. In all variations for every requirement.

ULFLEX" SULAK H I BUK	ئ
ETHERLINE® FD bioP Cat.5e	7
UNIRAIL S 50264-3-2 300V MM FR	
UNIRAIL S 50264-3-2 300V MMS FR	
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Cable Glands

Sealing and strain-relieving cable entry.

SKINDICHT® VENT PA6	
A lock nuts11	
Orainage elements12	

Connectors

For reliable plug-in connections - even after several mating cycles.

EPIC® H-Q 4+213
EPIC® H-Q 8
EPIC® H-Q 17
EPIC® H-A 3 AG
EPIC® H-A 3 TG
EPIC® H-A 3 TGB
EPIC® H-B 16 T
EPIC® SOLAR 4 GEN2 contacts20
EPIC® SOLAR 4 GEN2 F
EPIC® SOLAR 4 GEN2 M
EPIC® SOLAR 4 GEN2 caps
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EPIC® Collar
EPIC® DATA M12D screw connection
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EPIC® SENSOR M12A solder termination
EPIC® SENSOR M12B screw termination33
EPIC® POWER M12E screw connection
EPIC® POWER M12F screw connection
EPIC® POWER M12K screw connection
EPIC® POWER M12L screw connection
EPIC® POWER M12M screw connection
EPIC® POWER M12S screw connection
EPIC® POWER M12T screw connection

Marking System
For clear marking and labelling of cables, lines, single cores and components.

LEXIMARK® THERMO CLIP	
LEXIMARK® THERMO SPOT	
LEXIMARK® THERMO SPOT-B	
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Tools and accessories

Everything you need to work with and install cables.

Conductor end sleeves on coils	46
Cu tube cable lugs	47
Ni tube cable lugs	48
V2A tube cable lugs	49





Power and control cables



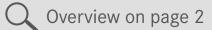
ÖLFLEX® SOLAR H1 BUR

H1Z2Z2-K solar cable with AD8, with Dca classification and IEC certification, for DC applications up to 1.8 kV, suitable for underground installation in a pipe or sandbed.

Benefits

- Halogen-free core insulation and sheath compound to meet special fire protection requirements.
- Classified fire behaviour according to EU Directive 305/2011 (BauPVO/CPR) with article number selection on the LAPP website.
- A laterally waterproof cable allows permanent submersion in shallow, uncontaminated water: AD8 in accordance with IEC 60364-5-51 and IEC 62440.
- Due to its increased mechanical strength, it is suitable for underground installation in a cable trench with a sand bed, tested using the "Impact-Resistance Test" and the "Crushing-Resistance Test" in accordance with UL 854.
- Cross-linked insulation and sheath materials promote longevity at high temperatures or at high current load, and provide high dielectric strength and a high short-circuit temperature.
- IEC certification allows international use of the product in countries in which the IEC standards are applicable.
- Expected service life of 25 years in accordance with EN 50618 for H1Z2Z2-K-compliant application.
- Available in three different outer sheath colours so that the DC conductor can be identified externally.
- Excellent price-performance ratio thanks to smart material selection

- For unprotected connection of solar modules and inverters in earthed and non-earthed photovoltaic systems according to EN 50618.
- For interconnecting solar modules.
- For direct current applications up to 1.8 kV.
- For use with the solar connectors of the EPIC® SOLAR series.
- For fixed installation and occasional flexing, if necessary freely hanging.
- Underground installation in protective cable conduits only with drainage of accumulated water.
- Underground installation in a cable trench with a sand bed based on VDE 0891-6 and DIN EN 50174-3.
- Can be installed in closed installation ducts, under plaster and in devices.





Data cables



Technical Data



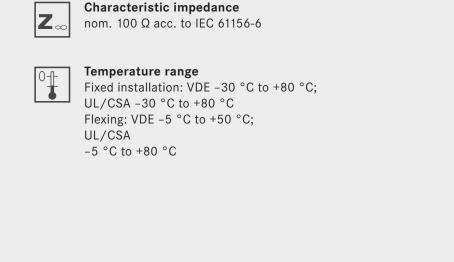
Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000830 ETIM 5.0/6.0 Class-Description:

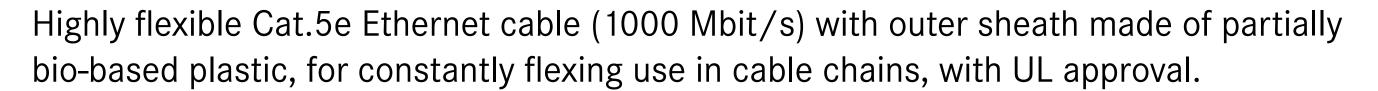


(not for power applications) 125 V





ETHERLINE® FD bioP Cat.5e



Benefits

- The sustainable variant with the bio-based outer sheath consists of more than 40% renewable raw materials (according to ASTM D6866). The product properties are the same as for the standard variant made of purely fossil raw materials.
- The outer sheath made of partially bio-based plastic reduces dependence on fossil fuels and reduces the carbon footprint.
- Fast information exchange through ETHERNET technology.
- Cat.5e performance up to 1000 Mbit/s.
- For transmission of analogue and digital signals in the frequency range up to 100 MHz.
- Ideal protection against electromagnetic interference thanks to copper stranded shielding with a high degree of coverage.
- UL/CSA certification according to technical data enables the product to be used in the North American market.
- Halogen-free and flame-retardant materials reduce the possible hazards in the event of a fire.
- Successfully tested for over 10 million bending cycles in cable chains.

- Also suitable for EtherCAT and EtherNet/IP applications.
- Especially for environments where electromagnetic compatibility (EMC) is required.
- Suitable for patch cable assembly up to a cable length of 60 m.
- Cable design allows highly flexible, continuously flexing use in moving machine parts and in the cable chain.
- The bio-TPU outer sheath is insensitive to mineral-oil-based lubricants and resistant to many chemicals.

























Power and control cables



Technical Data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000104 ETIM 5.0/6.0 Class-Description:



Core identification code Black with white numbers



to IEC 60228, conductor class 5



Minimum bending radius Fixed installation: 4 x outer diameter



Nominal voltage U₀/U 300/500 V

Uຼັ AC 600 V V DC 450 V



2,0 kV AC; 4,8 kV DC

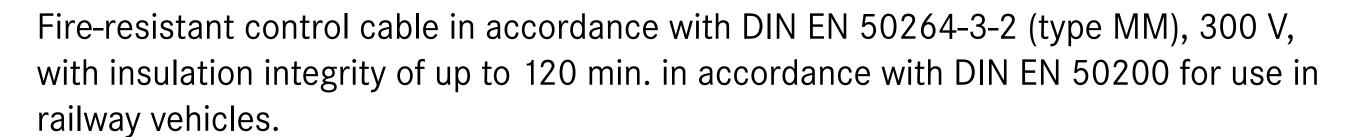


G = with GN-YE protective conductor X = without protective conductor



Fixed installation: -40 °C to +90 °C

UNIRAIL S 50264-3-2 300V MM FR



Benefits

- For protection against personal injury and damage to property.
- Insulation integrity for up to 120 minutes under the effect of fire (classification PH120 according to DIN EN 50200). Guarantees functional integrity and the power supply in the event of an emergency.
- Compliant with standards for use in rail vehicles: fire safety and cable design requirements according to DIN EN 50264-3-2, type MM; fire behaviour in accordance with DIN EN 45545-2, hazard level HL3.
- The cross-linked insulation and sheath materials promote longevity at high temperatures or with a high current load, and provide high dielectric strength.
- Halogen-free and highly flame-retardant materials reduce the risk of flame propagation, high smoke density and toxic flue gases in the event of a fire.
- Space saving due to reduced wall thicknesses.

- For wiring safety-related components in railway vehicles.
- Typical application areas are emergency power circuits for alarm, lighting and communication purposes, which must maintain their function for a certain period of time in the event of a fire.
- For use in railway vehicles, for fixed installation and applications where limited movement is to be expected.
- Can be used in dry, damp and especially in harsh and oily environments.
- The cross-linked polymer compound is highly resistant to oils, fuels, alkalis and acids.





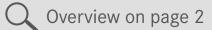














Power and control cables



Technical Data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000104 ETIM 5.0/6.0 Class-Description:



Core identification code Black with white numbers





Minimum bending radius Fixed installation: 10 x outer diameter



Nominal voltage $\rm U_{o}/U~300/500~V$

U AC 600 V V DC 450 V



2,0 kV AC; 4,8 kV DC



X = without protective conductor



Fixed installation: -40 °C to +90 °C

UNIRAIL S 50264-3-2 300V MMS FR



Fire-resistant, shielded control cable in accordance with DIN EN 50264-3-2 (type MMS), 300 V, with insulation integrity of up to 120 min. in accordance with DIN EN 50200 for use in railway vehicles.

Benefits

- For protection against personal injury and damage to property.
- Insulation integrity for up to 120 minutes under the effect of fire (classification PH120 according to DIN EN 50200). Guarantees functional integrity and the power supply in the event of an emergency.
- Compliant with standards for use in railway vehicles: fire safety and cable design requirements in accordance with DIN EN 50264-3-2, type MMS; fire behaviour in accordance with DIN EN 45545-2, hazard level HL3.
- The cross-linked insulation and sheath materials promote longevity at high temperatures or with a high current load, and provide high dielectric strength.
- Ideal protection against electromagnetic interference thanks to copper stranded shielding with a high degree of coverage.
- Halogen-free and highly flame-retardant materials reduce the risk of flame propagation, high smoke density and toxic flue gases in the event of a fire.
- Space saving due to reduced wall thicknesses.

- For wiring safety-related components in railway vehicles.
- Especially for environments where electromagnetic compatibility (EMC) is required.
- Typical application areas are emergency power circuits for alarm, lighting and communication purposes, which must maintain their function for a certain period of time in the event of a fire. For use in railway vehicles, for fixed installation and applications where limited movement is to be expected.
- Can be used in dry, damp and especially in harsh and oily environments.
- The cross-linked polymer compound is highly resistant to oils, fuels, alkalis and acids.













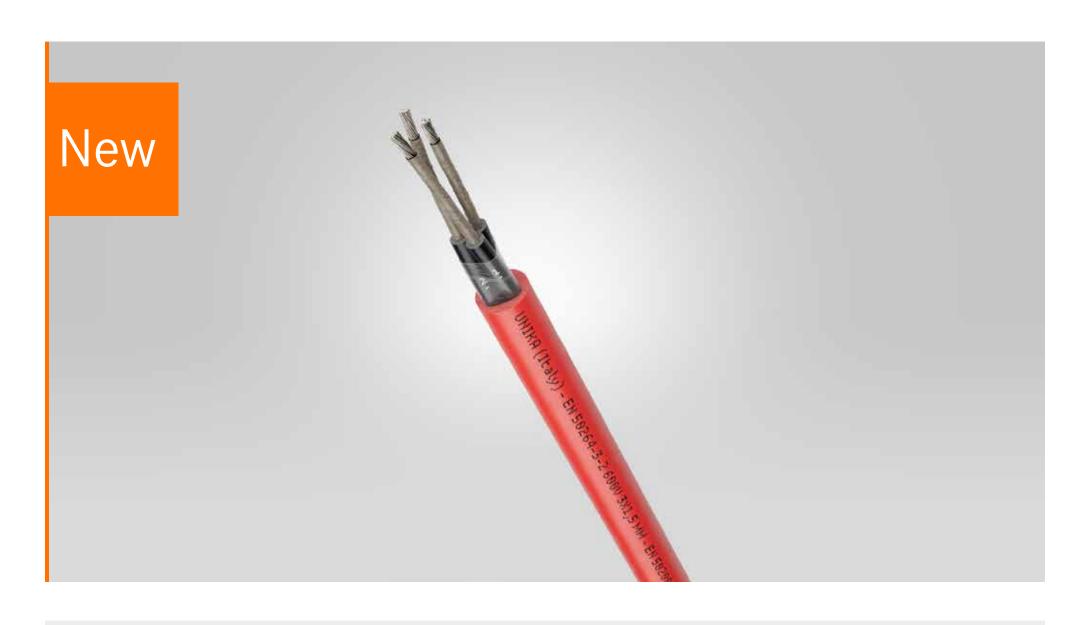








Power and control cables



Technical Data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000104 ETIM 5.0/6.0 Class-Description:



Core identification code Black with white numbers





Minimum bending radius Fixed installation: 4 x outer diameter



Nominal voltage U_0/U AC 0,6/1 kV

U AC 1.2 kV V₀ DC 0.9 kV



3,5 kV AC; 8,4 kV DC



X = without protective conductor



Fixed installation: -40 °C to +90 °C

UNIRAIL S 50264-3-2 600V MM FR

Fire-resistant control cable in accordance with DIN EN 50264-3-2 (type MM), 600 V, with insulation integrity of up to 120 min. in accordance with DIN EN 50200 for use in railway vehicles.

Benefits

- For protection against personal injury and damage to property.
- Insulation integrity for up to 120 minutes under the effect of fire (classification PH120 according to DIN EN 50200). Guarantees functional integrity and the power supply in the event of an emergency.
- Compliant with standards for use in rail vehicles: fire safety and cable design requirements according to DIN EN 50264-3-2, type MM; fire behaviour in accordance with DIN EN 45545-2, hazard level HL3.
- The cross-linked insulation and sheath materials promote longevity at high temperatures or with a high current load, and provide high dielectric strength.
- Halogen-free and highly flame-retardant materials reduce the risk of flame propagation, high smoke density and toxic flue gases in the event of a fire.
- Space saving due to reduced wall thicknesses.

- For wiring safety-related components in railway vehicles.
- Typical application areas are emergency power circuits for alarm, lighting and communication purposes, which must maintain their function for a certain period of time in the event of a fire.
- For use in railway vehicles, for fixed installation and applications where limited movement is to be expected.
- Can be used in dry, damp and especially in harsh and oily environments.
- The cross-linked polymer compound is highly resistant to oils, fuels, alkalis and acids.



















Power and control cables



Technical Data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000104 ETIM 5.0/6.0 Class-Description:



Core identification code Black with white numbers





Minimum bending radius

Fixed installation: 10 x outer diameter



Nominal voltage U₀/U AC 0,6/1 kV



3,5 kV AC; 8,4 kV DC

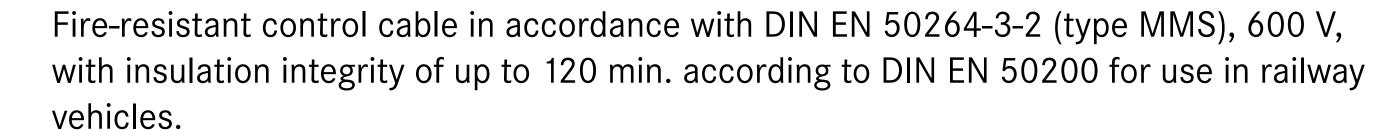


G = with GN-YE protective conductor X = without protective conductor



Fixed installation: -40 °C to +90 °C

UNIRAIL S 50264-3-2 600V MMS FR



Benefits

- For protection against personal injury and damage to property. Insulation integrity for up to 120 minutes under the effect of fire (classification PH120 according to DIN EN 50200). Guarantees functional integrity and the power supply in the event of an emergency.
- Compliant with standards for use in railway vehicles: fire safety and cable design requirements in accordance with DIN EN 50264-3-2, type MMS; fire behaviour in accordance with DIN EN 45545-2, hazard level HL3.
- The cross-linked insulation and sheath materials promote longevity at high temperatures or with a high current load, and provide high dielectric strength.
- Ideal protection against electromagnetic interference thanks to copper stranded shielding with a high degree of coverage.
- Halogen-free and highly flame-retardant materials reduce the risk of flame propagation, high smoke density and toxic flue gases in the event of a fire.
- Space saving due to reduced wall thicknesses.

- For wiring safety-related components in railway vehicles.
- Especially for environments where electromagnetic compatibility (EMC) is required.
- Typical application areas are emergency power circuits for alarm, lighting and communication purposes, which must maintain their function for a certain period of time in the event of a fire.
- For use in railway vehicles, for fixed installation and applications where limited movement is to be expected.
- Can be used in dry, damp and especially in harsh and oily environments.
- The cross-linked polymer compound is highly resistant to oils, fuels, alkalis and acids.









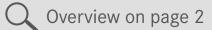














Power and control cables



Technical Data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000993 ETIM 5.0/6.0 Class-Description: Single core cable



Fine-wired/ Finely stranded according to IEC 60228, conductor class 5



≤ 12 mm: 4 x OD



Nominal voltage U_0/U AC 0,6/1 kV





3,5 kV AC; 8,4 kV DC



Fixed installation: -40 °C to +90 °C

UNIRAIL S 50264-3-1 600V M FR

Fire-resistant control cable in accordance with DIN EN 50264-3-1 (type M), 600 V, with insulation integrity of up to 120 min. in accordance with DIN EN 50200 for use in railway vehicles.

Benefits

- For protection against personal injury and damage to property.
- Insulation integrity for up to 120 minutes under the effect of fire (classification PH120 according to DIN EN 50200). Guarantees functional integrity and the power supply in the event of an emergency.
- Compliant with standards for use in railway vehicles: fire safety and cable design requirements in accordance with DIN EN 50264-3-1, type M; fire behaviour in accordance with DIN EN 45545-2, hazard level HL3.
- Cross-linked insulation material promotes longevity at high temperatures or with high current loads, and provides high dielectric strength.
- Halogen-free and highly flame-retardant materials reduce the risk of flame propagation, high smoke density and toxic flue gases in the event of a fire.
- Space saving due to reduced wall thicknesses.

- For wiring safety-related components in railway vehicles.
- Typical application areas are emergency power circuits for alarm, lighting and communication purposes, which must maintain their function for a certain period of time in the event of a fire.
- For use in railway vehicles, for fixed installation and applications where limited movement is to be expected.
- Can be used in dry, damp and especially in harsh and oily environments.
- The cross-linked polymer compound is highly resistant to oils, fuels, alkalis and acids.



















Cable glands

Tools and accessories for cable glands



Technical Data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000441 ETIM 5.0/6.0 Class-Description: Cable screw gland



Metric thread acc. to EN 60423



Membrane: Acryl - CoPolymer



Colour delivered

RAL Light grey (RAL 7035) Black (RAL 9005), UV-resistant



Polyamide 6 - Standard version / UL

Polyamide 66 - UL Version / UL 94 VO Flat sealing NBR - Standard O-Ring NBR - UL version



Standard: IP66 / IP68 / IP69 UL: IP66 / IP67 / IP69



Temperature range

SKINDICHT® VENT PA6

What ist new? The pressure compensation element is now available in all of the most popular control cabinet colours and with smaller connection threads.

Benefits

- Pressure compensation element that ensures the necessary pressure compensation when the housing is closed. This fully prevents the formation of moisture or condensate.
- The air flow rate for article names with the addition "PLUS" is 3.5 I/min, and 0.8 I/min for all other articles.
- UL certification in accordance with the technical data (article dependent) allows the product to be used on the North American market.

- Especially for closed housings where optimum ventilation is needed.
- Good oil and chemical resistance.
- Black variants are UV-resistant and therefore well suited for outdoor use.











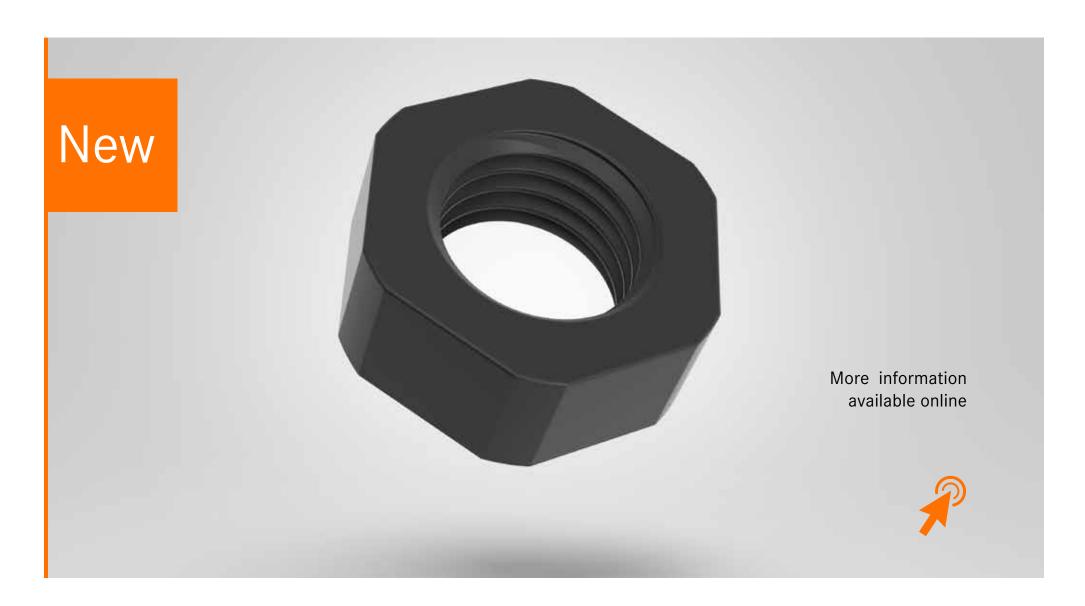






Cable glands

Tools and accessories for cable glands



PA lock nuts



Lock nut made of plastic, with an M6 and M8 thread, for use with a SKINDICHT® VENT pressure compensation element, for applications with high humidity.

Benefits

• Available in sizes M6x0.75 and M8x1.0..

- For locking a SKINDICHT® VENT pressure compensation element on the inside of the application (e.g. housing).
- For thin-walled housings without a thread, which only allow one through bore.
- Good oil and chemical resistance.



Cable glands

Tools and accessories for cable glands



Technical Data

Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000441 ETIM 5.0/6.0 Class-Description: Cable screw gland



Metric thread acc. to EN 60423



Black (RAL 9005), UV-resistant



Flat sealing: EPDM





-40 °C to +100 °C

Drainage elements 🚨

M12 plastic drainage element, drains condensation water from the housing floor, for applications with high humidity.

Benefits

- For discharging condensation water on the housing floor that occurs due to high humidity, large temperature fluctuations or pressure differences.
- The early discharge of condensation water reduces the risk of failure of the application and minimises maintenance work.
- Provides a high drainage capacity of at least 1.8 I per hour.
- The protection function of the housing is retained thanks to IP56.
- Ideal for tight spaces thanks to the small connection thread.

- Especially for closed housings with a high protection class.
- For use in the housing floor (threaded/through bore).
- Good oil and chemical resistance.

















Rectangular 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)

IEC: 400/690 V (H-Q Contacts) UL: 600V (H-Q Contacts) CSA: 600 V (H-Q Contacts)

6KV (H-Q 4 mm Contacts)



Rated current (A)

Amp. IEC: 40 A (H-Q 4 mm Contacts) 10 A (H-D 1.6 mm Contacts)

4KV (H-D 1.6 mm Contacts)



Contact resistance

< 4 m0hm



Copper alloy, hard silver-plated



Number of contacts 4 + 2 + PE



Crimp termination: 1.5-6.0 mm² (H-Q 4 mm contacts) 0.14-2.5 mm² (H-Q 1.6 mm contacts))



Cycle of mechanical operation



Temperature range $-40~^{\circ}\text{C}$ to $+125~^{\circ}\text{C}$

EPIC® H-Q 4+2

What ist new? Thanks to our ongoing efforts and strategic partnerships, we are able to offer high-quality rectangular connector inserts at optimised prices.

Benefits

- High power up to 40 A despite extremely space-saving design for very small devices.
- Crimp termination creates a vibration-proof connection, provides maximum contact protection between the contact and cable and is suitable for automated assembly.
- Can be connected to market-standard connectors.

- For connecting devices and machines to a power supply in various applications, including signal transmission.
- Typical areas of application are electric motors and servo drives.
- For use with housings of the EPIC® H-Q series.





Rectangular 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



IEC: 500 VUL: 600 VCSA: 600 V

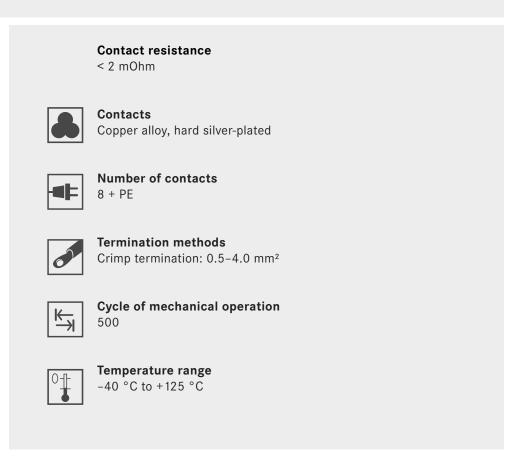
Rated impulse voltage



Amp. IEC: 16 A UL: 16 A CSA: 16 A



Pollution degree



EPIC® H-Q 8

What ist new? Thanks to our ongoing efforts and strategic partnerships, we are able to offer high-quality rectangular connector inserts at optimised prices.

Benefits

- High power up to 16 A despite extremely space-saving design for very small devices.
- Crimp termination creates a vibration-proof connection, provides maximum contact protection between the contact and cable and is suitable for automated assembly.
- Can be connected to market-standard connectors.

- For connecting devices and machines to a power supply in various applications.
- Typical areas of application are electric motors and servo drives.
- For use with housings of the EPIC® H-Q series.





Rectangular 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



Rated voltage (V)

IEC: 250 VUL: 600 VCSA: 600 V

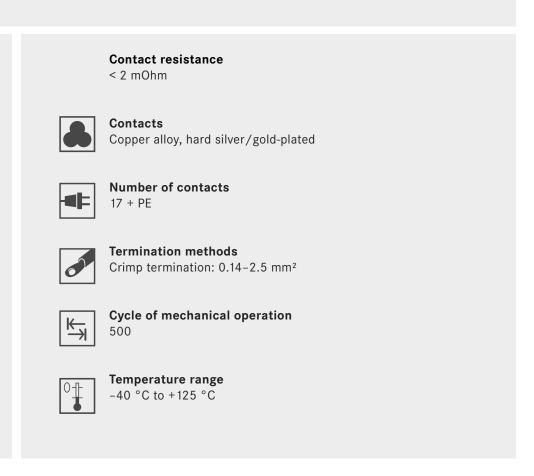
Rated impulse voltage



Rated current (A)



Pollution degree 2



EPIC® H-Q 17

What ist new? Thanks to our ongoing efforts and strategic partnerships, we are able to offer high-quality rectangular connector inserts at optimised prices.

Benefits

- High power up to 10 A despite extremely space-saving design for very small devices.
- Crimp termination creates a vibration-proof connection, provides maximum contact protection between the contact and cable and is suitable for automated assembly.
- Can be connected to market-standard connectors..

- For connecting devices and machines to a power supply in various applications.
- Typical areas of application are electric motors and servo drives.
- For use with housings of the EPIC® H-Q series.



Rectangular connectors



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



Housing: powder-coated zinc diecasting,

Lever: zinc-plated steel Housing: grey thermoplastic, black Lever: zinc-plated steel Sealing: NBR



Protection rating

IP 67 (latched) NEMA 250, UL50E: 12, 4 (latched)



VDE-tested

Certified production control: VDE-REG. UL-tested: UL File Number: E75770



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

EPIC® H-A 3 AG

What ist new? The panel-mount base of the EPIC® H-A 3 series is now available with a new design, with a marking arrow and an integrated seal. The single lever is no longer made of metal, but plastic.

Benefits

- The EPIC® H-A 3 series includes the smallest housings in the heavy-duty industrial connector area, and provides secure connections in a very small space.
- The panel-mount base can be connected to many of the most popular hoods on the market.
- With open base for cable entry into the housing or control cabinet.
- Self-extinguishing in accordance with UL94 V-0 (flammability test for plastics).
- The locking takes place using a plastic single lever.
- Allows protection class IP 67 due to the reliable sealing of the housing.
- The arrow is a new design element on the housing surface and makes it easy to find and easy to connect in tight spaces and possibly poorly visible areas of application.
- UL certification according to technical data enables the product to be used in the North American market.

- For protecting the connector insert against environmental influences.
- For use with many EPIC® rectangular connector inserts.
- For connecting devices and machines to the power supply.
- Material that is highly resistant to oil for harsh industrial environments.
- Suitable for outdoor use.



















Rectangular connectors



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



thermoplastic, grey, black



IP 67 (latched) NEMA 250, UL50E: 12, 4 (latched)



VDE-tested

Certified production control: VDE-REG. UL File Number: E75770



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

EPIC® H-A 3 TG

What ist new? The hood of the EPIC® H-A 3 series is now available with a new design, including a marking arrow and an M20 thread.

Benefits

- The EPIC® H-A 3 series includes the smallest housings in the heavy-duty industrial connector area, and provides secure connections in a very small space.
- The hood can be connected with many standard housings (panel-mount base, surface-mount base or cable coupler hoods).
- Self-extinguishing in accordance with UL94 V-0 (flammability test for plastics).
- With threaded borehole for use with a corresponding cable gland.
- Articles with a ",V" in the article name already contain a SKINTOP® plastic cable gland for sealing and strain-relieving cable entry. In comparison to housings where the cable gland is added separately, the overall size of this housing is more spacesaving.
- Locking takes place using a plastic lever on the counter-housing.
- Meets protection class IP 67 when locked.
- The arrow is a new design element on the housing surface and makes it easy to find and easy to connect in tight spaces and possibly poorly visible areas of application.
- UL certification according to technical data enables the product to be used in the North American market.

- For protecting the connector insert against environmental influences.
- For use with many EPIC® rectangular connector inserts.
- For connecting devices and machines to the power supply.
- Material that is highly resistant to oil for harsh industrial environments.
- Suitable for outdoor use.



















Rectangular connectors



Technical Data



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



thermoplastic, grey, black



IP 67 (latched) NEMA 250, UL50E: 12, 4 (latched)



VDE-tested

Certified production control: VDE-REG. UL File Number: E75770



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

EPIC® H-A 3 TGB

What ist new? The cable coupler hood of the EPIC® H-A 3 series is now available with a new design, including a marking arrow and an M20 thread.

Benefits

- The EPIC® H-A 3 series includes the smallest housings in the heavy-duty industrial connector area, and provides secure connections in a very small space.
- The cable coupler hood can be connected to many of the most popular hoods on the market.
- The "flying" connection between the cable coupler and the hood is not fixed, and acts as an extension of the cable.
- Self-extinguishing in accordance with UL94 V-0 (flammability test for plastics).
- With threaded borehole for use with a corresponding cable gland.
- Articles with a "V" in the article name already contain a SKINTOP® plastic cable gland for sealing and strain-relieving cable entry. In comparison to housings where the cable gland is added separately, the overall size of this housing is more spacesaving.
- Locking takes place using a plastic lever on the counterhousing.
- Meets protection class IP 67 when locked.

- The arrow is a new design element on the housing surface and makes it easy to find and easy to connect in tight spaces and possibly poorly visible areas of application.
- UL certification according to technical data enables the product to be used in the North American market.

- For protecting the connector insert against environmental influences.
- For use with many EPIC® rectangular connector inserts.
- For connecting devices and machines to the power supply.
- Material that is highly resistant to oil for harsh industrial environments.
- Suitable for outdoor use.



















Rectangular connectors



Technical Data



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



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



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



VDE-tested

Certified production control: VDE-REG. UL File Number: E75770



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

EPIC® H-B 16 T

Hood of the EPIC® H-B series (without insert), aluminium die-casting, new design with improved haptics, for assembling a rectangular connector.

Benefits

- The hood can be connected with many standard housings (panel-mount base, surface-mount base or cable coupler hoods).
- The user-friendly design with a good grip makes the plug connection easy to connect and release.
- Locking takes place using a stainless-steel double lever on the counter-housing.
- Meets protection class IP 65 when locked.
- UL certification according to technical data enables the product to be used in the North American market.

- For protecting the connector insert against environmental influences.
- For use with many EPIC® rectangular connector inserts or module inserts.
- For connecting devices and machines to a power supply in various applications.
- With modular connector assembly, also suitable for signal and data transmission.
- For use with a cable gland or a collar.
- Withstands high environmental and mechanical stress.

















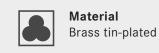




Solar connectors



Technical Data



EPIC® SOLAR 4 GEN2 contacts

Crimpable pin and socket contacts for the EPIC® SOLAR 4 GEN2 solar connectors, vibration-proof, for conductor cross-sections of 4.0–6.0 mm².

Benefits

- Crimp contact ensures maximum contact reliability between the contact and the cable and establishes a vibration-resistant connection.
- Suitable for conductor cross-sections from 4.0 to 6.0 mm².
- Large packing unit with 2500 contacts on a roll makes fully automated connector configuration possible.

Application ranges

• For use with EPIC® SOLAR 4 GEN2 solar connectors.





Solar connectors



Technical Data



EPIC® SOLAR 4 GEN2 F

Solar connectors (socket insert) up to 1500 V DC, particularly weather-resistant, ideal for fully automated connector assembly, with the TÜV SÜD testing mark.

Benefits

- Extremely weatherproof and durable thanks to the high-quality materials and solid construction.
- Compatible with other systems in the industry.
- Ideal for fully automated connector assembly.
- Self-retaining cap nut and contacting with haptic feedback simplify assembly and provide protection from tampering.
- Double snap-in hooks secure the crimp contact to the connector.
- Low contact resistance at the contact point between the connector and socket for efficient energy transmission.
- Suitable for conductor cross-sections of up to 6 mm² for overcoming long cable distances.
- With the TÜV SÜD testing mark.
- Articles available with or without contacts. Articles without contacts available in different packaging units.

- For the cabling of solar modules, inverters and stand-alone systems.
- For modern, high-performance photovoltaic systems up to 1500 V.
- For use with EPIC® SOLAR 4 GEN2 M mating connectors (pin insert).
- Can be used with many ÖLFLEX® solar cables.
- Plugged connections have protection class IP 68 (1 m for 1 h).





Solar connectors



Technical Data



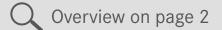
EPIC® SOLAR 4 GEN2 M

Solar connectors (pin insert) up to 1500 V DC, particularly weather-resistant, ideal for fully automated connector assembly, with the TÜV SÜD testing mark.

Benefits

- Extremely weatherproof and durable thanks to the high-quality materials and solid construction.
- Compatible with other systems in the industry.
- Ideal for fully automated connector assembly.
- Self-retaining cap nut and contacting with haptic feedback simplify assembly and provide protection from tampering.
- Double snap-in hooks secure the crimp contact to the connector.
- Low contact resistance at the contact point between the connector and socket for efficient energy transmission.
- Suitable for conductor cross-sections of up to 6 mm² for overcoming long cable distances.
- With the TÜV SÜD testing mark.
- Articles available with or without contacts. Articles without contacts available in different packaging units.

- For the cabling of solar modules, inverters and stand-alone systems.
- For modern, high-performance photovoltaic systems up to 1500 V.
- For use with EPIC® SOLAR 4 GEN2 F mating connectors (socket insert).
- Can be used with many ÖLFLEX® solar cables.
- Plugged connections have protection class IP 68 (1 m for 1 h).





Solar connectors



EPIC® SOLAR 4 GEN2 caps

Protective caps for closing unplugged EPIC® SOLAR 4 GEN2 solar connectors, protection against dirt and moisture, with eyelet for attaching a securing cord.

Benefits

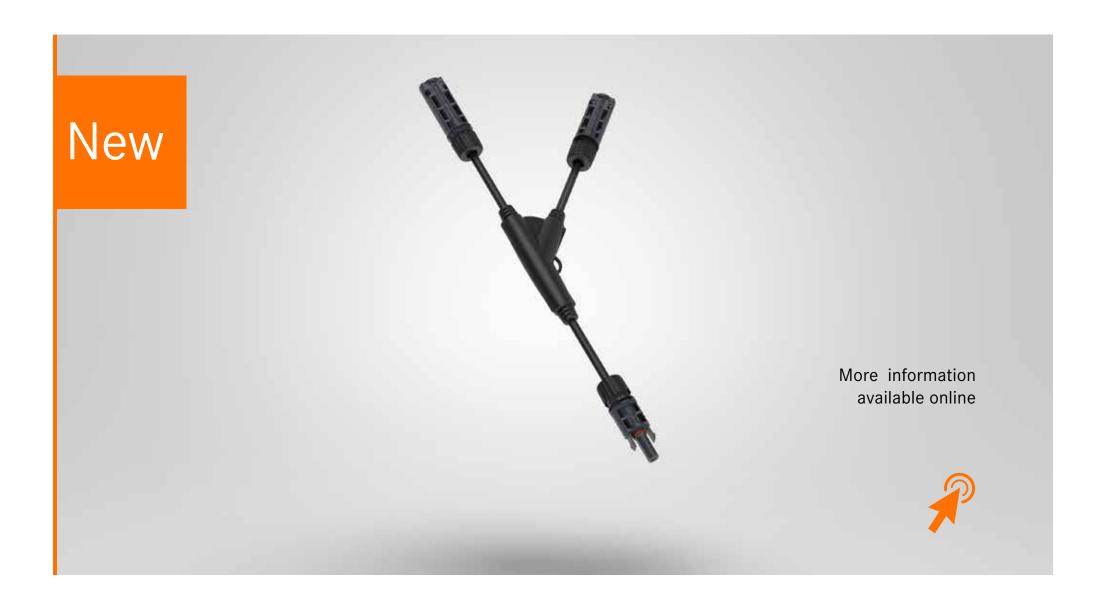
- Prevents the penetration of dirt and moisture.
- With eyelet for attaching a securing cord for fastening to the cable.

- For closing unplugged connectors.
- For use with EPIC® SOLAR 4 GEN2 solar connectors.



Data cable assemblies

Solar connectors



EPIC® SOLAR 4 GEN2 splitter

Compact splitter for parallel switching of solar modules and strings, up to 1500 V DC, extremely weather-resistant, available in two variants (FMM and MFF).

Benefits

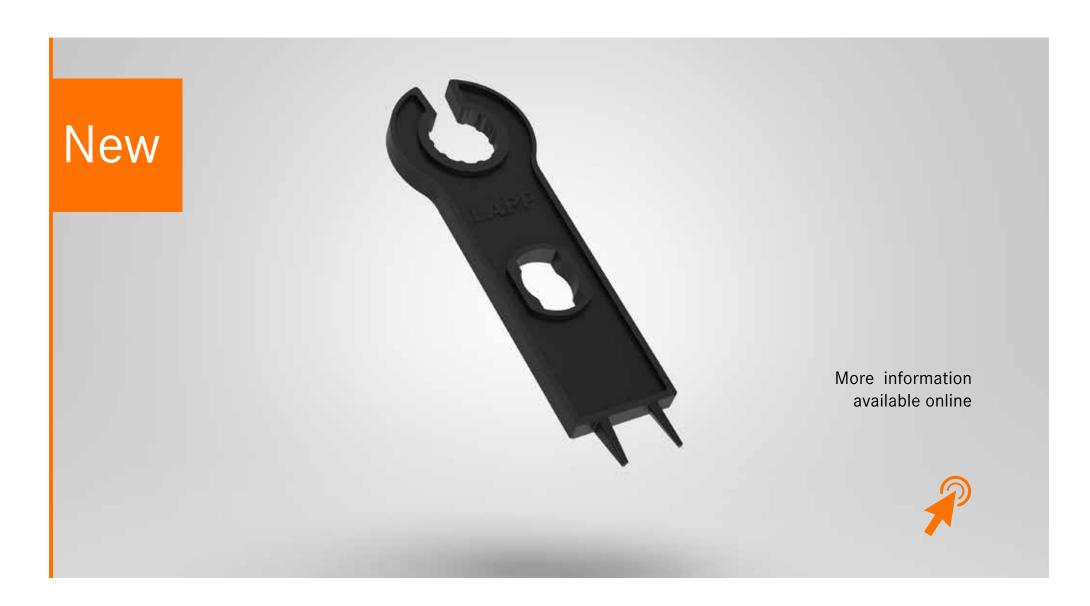
- Extremely weatherproof and durable thanks to the high-quality materials and solid construction.
- Easy to handle due to the flexible connection options and compact design.
- Available as a variant with two pin inserts (FMM) or with two socket inserts (MFF).
- Additional variants with different connectors are available upon request.

- For parallel switching of solar modules and strings.
- For modern, high-performance photovoltaic systems up to 1500 V.
- For use with EPIC® SOLAR 4 GEN2 solar connectors.
- Plugged connections have protection class IP 68 (1 m for 1 h).





Solar connectors



EPIC® SOLAR 4 GEN2 assembly tool

Lightweight and space-saving tool for assembling and disassembling EPIC® SOLAR 4 GEN2 solar connectors, available as a set with 2 assembly tools.

Benefits

- Lightweight and space-saving tool which combines two functions in one practical tool.
- Available as a set with 2 assembly tools.

Application ranges

 For assembling and disassembling EPIC® SOLAR 4 GEN2 solar connectors.





Rectangular connectors



Technical Data

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





EPIC® H-Q TG

Hood of the EPIC® H-Q series (without insert), straight cable entry, polyamide plastic, with female thread, for assembling a rectangular connector.

Benefits

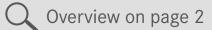
- The hood can be connected with many standard housings (panel-mount base, surface-mount base or cable coupler hoods).
- Space and weight-saving due to the small size.
- With space-saving female thread for use with metric cables or conduit glands.
- Locking takes place using a central lever on the counterhousing.
- Meets protection class IP 65 when locked.

- For protecting the connector insert against environmental influences.
- For use with rectangular connector inserts in the EPIC® H-Q series.
- For connecting devices and machines to a power supply in various applications.
- Withstands high environmental and mechanical stress.
- Typical areas of application are electric motors and servo drives.











Rectangular connectors



Technical Data

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







EPIC® H-Q TS

Hood of the EPIC® H-Q series (without insert), side cable entry, polyamide plastic, with female thread, for assembling a rectangular connector.

Benefits

- The hood can be connected with many standard housings (panel-mount base, surface-mount base or cable coupler hoods).
- Space and weight-saving due to the small size.
- With side cable entry for orderly cable laying and to prevent the cable from bending too much.
- With space-saving female thread for use with metric cables or conduit glands.
- Locking takes place using a central lever on the counterhousing.
- Meets protection class IP 65 when locked.

- For protecting the connector insert against environmental influences.
- For use with rectangular connector inserts in the EPIC® H-Q series.
- For connecting devices and machines to a power supply in various applications.
- Withstands high environmental and mechanical stress.
- Typical areas of application are electric motors and servo drives.











Circular connectors



Technical Data



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



Cap nut: brass nickel-plated Sealing: FPM, NBR (5,0-7,3 mm)



Protection rating IP68 (10h/1m)



static (no plugging or unplugging) -40 °C

EPIC® SIGNAL M23 D6 TWIST

M23 circular connector housing without insert, cable connector D6 TWIST, for signal transmission, for assembly with encoder or encoder cables.

Benefits

- Reliable signal transmission, even in harsh environments.
- Stability thanks to die-cast zinc metal housing.
- Reliable protection against electromagnetic interference thanks to integrated EMC cable gland.
- TWIST quick-locking system enables easy connection to the counterpart (locking takes place after a quarter of rotation). TWIST can be connected to market-standard connectors.
- The housing can be used with an insert for socket or pin contacts (available separately).

- For use in control, regulating and measurement circuits.
- For transmitting feedback and resolver signals from the servo motor to the frequency converter.
- Especially for environments where electromagnetic compatibility (EMC) is required.
- For use with suitable TWIST counterparts in series EPIC® SIGNAL M23.



















Rectangular connectors



Technical Data



ETIM 5.0/6.0 Class-ID: EC000938 ETIM 5.0/6.0 Class-Description: Enlargement/reducing ring



EPIC® Collar

Brass collar, increases the amount of room for cable insertion, for use with many rectangular connector housings.

Benefits

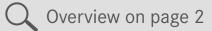
- Creates additional room in the connector housing and acts as an adapter, depending on the variant, for providing compatibility between the metric and the PG connection thread.
- Easy assembly with a wrench.
- Available in different thread sizes.
- Can be combined with metric or PG cable glands (depending on the article).
- Mounted O-ring enables optimum sealing to the housing (protection class IP 68 (5 bar)).

- For use with many EPIC® rectangular connector housings.
- Withstands high chemical and mechanical loads.
- Suitable for outdoor use.











Data connectors

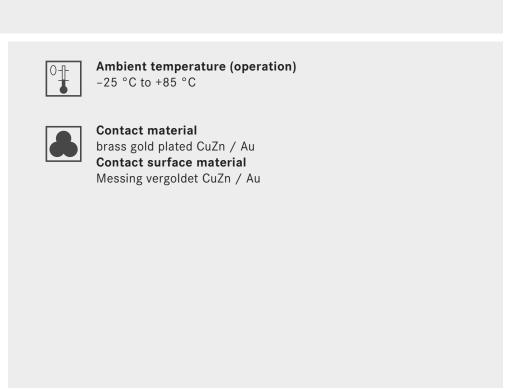


Technical Data



Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC001121 ETIM 5.0/6.0 Class-Description:





EPIC® DATA M12D screw connection



Can be assembled in the field: M12 data connector with screw connection, for assembly with Ethernet cables, Cat.5, different variants available.

Benefits

- High stability thanks to impact-resistant polyamide.
- The service-friendly screw connection makes assembly possible without a special tool, and is suitable for connections which need to be detached again.
- When connected, protection class IP 67 can be achieved.
- Available in different designs.

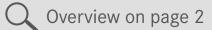
- Can be used universally on machine interfaces for many applications in data and signal transmission.
- Also suitable for EtherCAT, EtherNet/IP and 2-pair PROFINET applications.
- Good oil and chemical resistance.













Data connectors



Technical Data



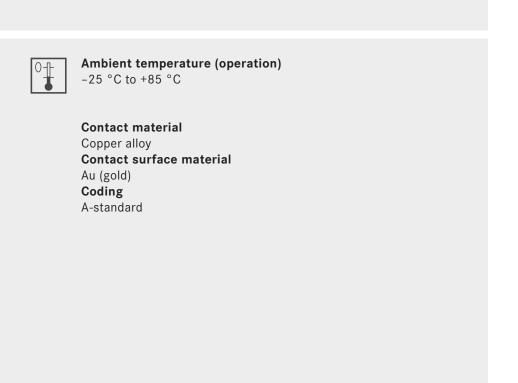
Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002062 ETIM 5.0/6.0 Class-Description: Sensor-actuator connector



Contact surface: CuSnZn





EPIC® SENSOR M12A screw connection



Can be assembled in the field: M12 data connector with screw connection, for assembly with sensor/actuator cables, different variants available.

Benefits

- High stability thanks to impact-resistant polyamide.
- The service-friendly screw connection makes assembly possible without a special tool, and is suitable for connections which need to be detached again.
- When connected, protection class IP 67 can be achieved.
- Available in different designs and with different pole configurations.

- Can be used universally at machine interfaces for many applications in data and signal transmission in the lowfrequency range.
- Typical application areas are sensors and actuators at field level.
- Good oil and chemical resistance.













Data connectors



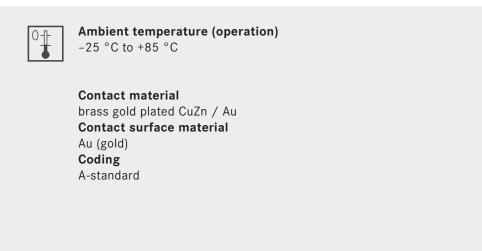
Technical Data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002062 ETIM 5.0/6.0 Class-Description: Sensor-actuator connector





EPIC® SENSOR M12A solder termination



Can be assembled in the field: M12 data connector with solder termination, for assembly with sensor/actuator cables, different variants available.

Benefits

- High stability thanks to impact-resistant polyamide.
- Solder termination is easy to implement, and creates a plug connection that is resistant to shock and vibrations.
- When connected, protection class IP 67 can be achieved. Available in different designs.

- Can be used universally at machine interfaces for many applications in data and signal transmission in the lowfrequency range.
- Typical application areas are sensors and actuators at field level.
- Good oil and chemical resistance.













Data connectors



Technical Data



Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC002062 ETIM 5.0/6.0 Class-Description: Sensor-actuator connector





Ambient temperature (operation) -25 °C to +85 °C

Copper alloy Contact surface material Au (gold)

EPIC® SENSOR M12B screw termination



Can be assembled in the field: M12 data connector with screw connection, for assembly with fieldbus cables, available in different variants.

Benefits

- High stability thanks to impact-resistant polyamide.
- The service-friendly screw connection makes assembly possible without a special tool, and is suitable for connections which need to be detached again.
- When connected, protection class IP 67 can be achieved.
- Available in different designs.

- For fieldbus communication in PROFIBUS®-based networks.
- Good oil and chemical resistance.



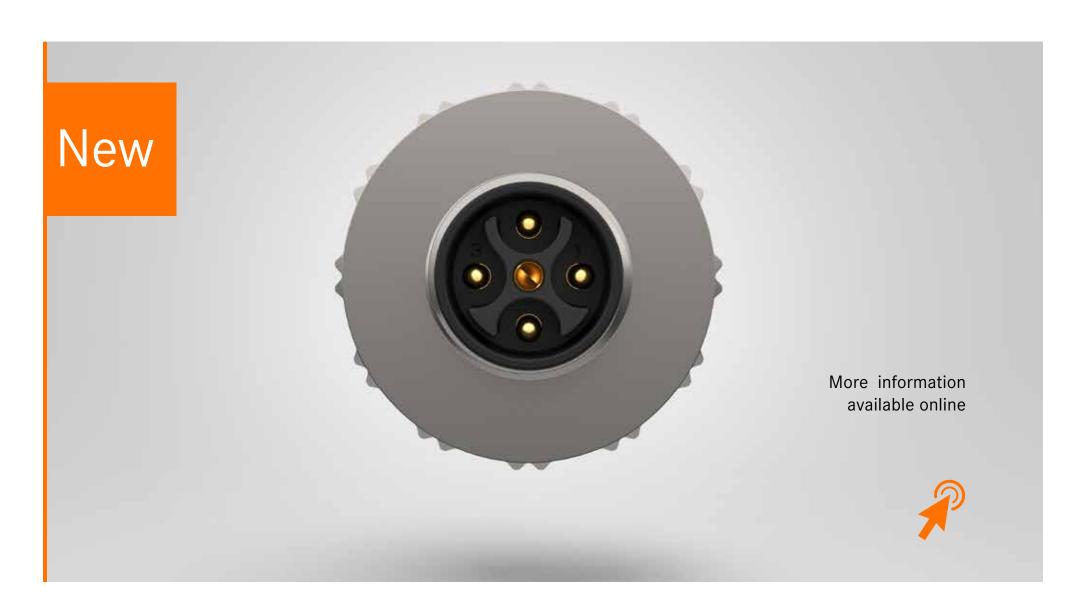








Circular connectors



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)

Rated impulse voltage



Rated current (A)



Contact resistance < 10 m0hm



Number of contacts





Screw termination: 0.5-2.5 mm²











EPIC® POWER M12E screw connection



Compact M12 power connector (E-coded) with screw connection, for small devices and motors in direct current applications, available in different variants.

Benefits

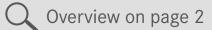
- High stability thanks to impact-resistant polyamide.
- High power up to 16 A despite extremely space-saving design for very small devices.
- The mechanical E-coding of the connector face prevents incorrect plugging with mating connectors.
- The service-friendly screw connection makes assembly possible without a special tool, and is suitable for connections which need to be detached again.
- When connected, protection class IP 67 can be achieved.
- Available in different designs.

- For direct current applications in the low-voltage range.
- For supplying power to smaller devices (e.g. decentralised I/O modules, smaller motors).
- Good oil and chemical resistance.











Circular connectors



Technical Data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002635 ETIM 5.0/6.0 Class-Circular connector (industrial connector)



Rated voltage (V)

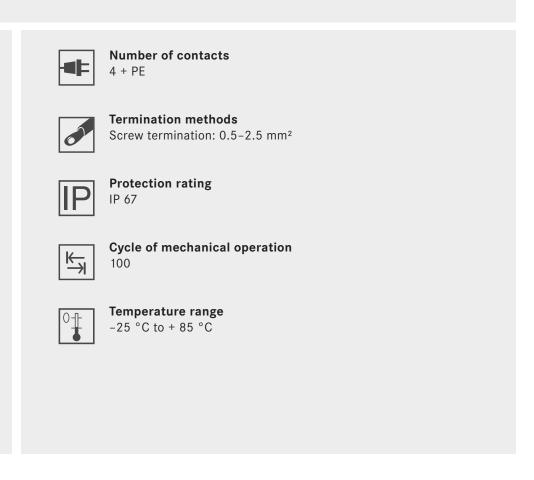
Rated impulse voltage



Rated current (A)



Contact resistance < 10 m0hm



EPIC® POWER M12F screw connection



Compact M12 power connector (F-coded) with screw connection, for connecting smaller devices and systems, available in different variants.

Benefits

- High stability thanks to impact-resistant polyamide.
- High power up to 16 A despite extremely space-saving design for very small devices.
- The mechanical F-coding of the connector face prevents incorrect plugging with mating connectors.
- The service-friendly screw connection makes assembly possible without a special tool, and is suitable for connections which need to be detached again.
- When connected, protection class IP 67 can be achieved.
- Available in different designs.

- For supplying power to smaller devices and systems in a wide range of applications.
- Good oil and chemical resistance.











Circular connectors



Technical Data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002635 ETIM 5.0/6.0 Circular connector (industrial connector)



Rated voltage (V)

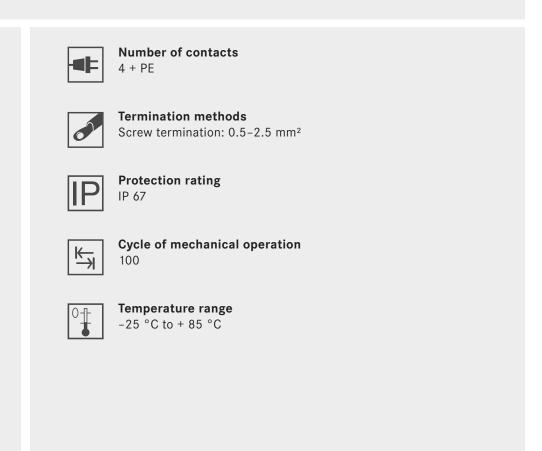
Rated impulse voltage



Rated current (A)



Contact resistance < 10 m0hm



EPIC® POWER M12K screw connection



Compact M12 power connector (K-coded) with screw connection, for connecting smaller devices and systems, available in different variants.

Benefits

- High stability thanks to impact-resistant polyamide.
- Powerful up to 12 A despite extremely space-saving design for tight spaces.
- The mechanical K-coding of the connector face prevents incorrect plugging with the mating connector.
- The service-friendly screw connection makes assembly possible without a special tool, and is suitable for connections which need to be detached again.
- When connected, protection class IP 67 can be achieved.
- Available in different designs.

- For connecting three-phase motors up to 7.5 kW.
- For connecting devices and machines to a power supply in various applications.
- Good oil and chemical resistance.











Circular connectors



Technical Data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002635 ETIM 5.0/6.0 Circular connector (industrial connector)



Rated voltage (V)

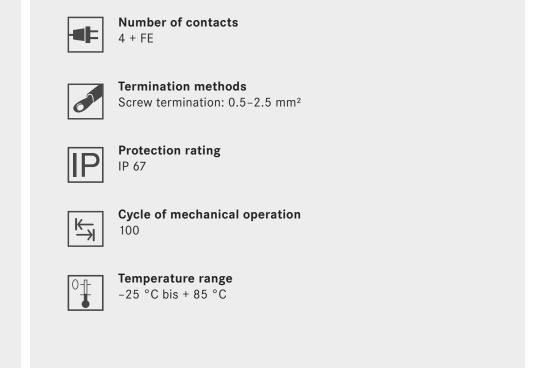
Rated impulse voltage



Rated current (A)



Contact resistance < 10 m0hm



EPIC® POWER M12L screw connection



Compact M12 power connector (L-coded) with screw connection, for small devices and motors in direct current applications, available in different variants.

Benefits

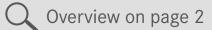
- High stability thanks to impact-resistant polyamide.
- High power up to 16 A despite extremely space-saving design for very small devices.
- The mechanical L-coding of the connector face prevents incorrect plugging with the mating connector.
- The service-friendly screw connection makes assembly possible without a special tool, and is suitable for connections which need to be detached again.
- When connected, protection class IP 67 can be achieved.
- Available in different designs.

- For direct current applications in the low-voltage range.
- For supplying power to smaller devices (e.g. decentralised I/O modules, smaller motors).
- Also suitable as the power supply in the PROFINET network (M12L is regarded as a standardised power interface).
- Good oil and chemical resistance.











Circular connectors



Technical Data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002635 ETIM 5.0/6.0 Circular connector (industrial connector)



Rated voltage (V)

Rated impulse voltage

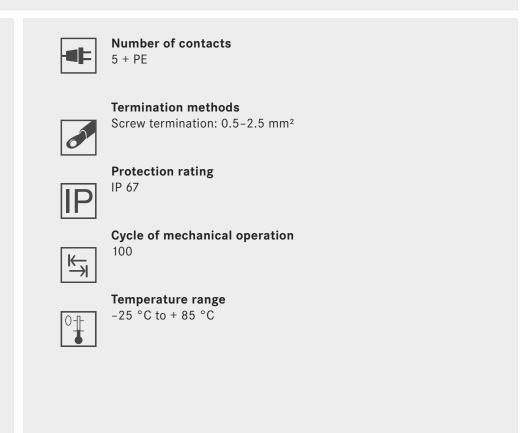


Rated current (A)



Pollution degree 3

Contact resistance < 10 m0hm



EPIC® POWER M12M screw connection



Compact M12 power connector (M-coded) with screw connection, for connecting smaller devices and systems, available in different variants.

Benefits

- High stability thanks to impact-resistant polyamide.
- Compact contact arrangement enables 5 contacts + 1 PE contact in little assembly space.
- The mechanical M-coding of the connector face prevents incorrect plugging with mating connectors.
- The service-friendly screw connection makes assembly possible without a special tool, and is suitable for connections which need to be detached again.
- When connected, protection class IP 67 can be achieved.
- Available in different designs.

- For supplying power to smaller devices and systems in a wide range of applications.
- Good oil and chemical resistance.











Circular connectors



Technical Data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002635 ETIM 5.0/6.0 Circular connector (industrial connector)



Rated voltage (V)

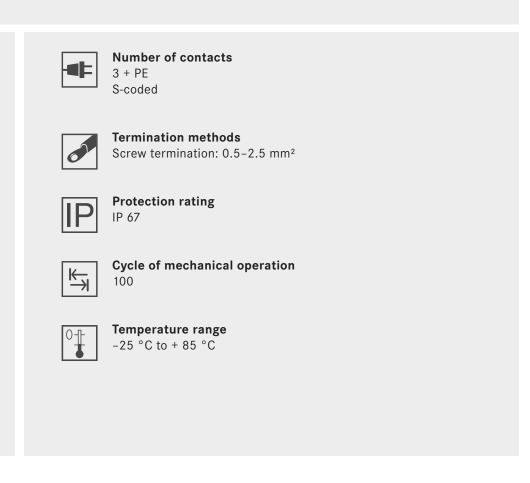
Rated impulse voltage



Rated current (A)



Contact resistance < 10 m0hm



EPIC® POWER M12S screw connection



Compact M12 power connector (S-coded) with screw connection, for connecting three-phase motors, available in different variants.

Benefits

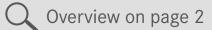
- High stability thanks to impact-resistant polyamide.
- Powerful up to 12 A despite extremely space-saving design for tight spaces.
- The mechanical S-coding of the connector face prevents incorrect plugging with mating connectors.
- The service-friendly screw connection makes assembly possible without a special tool, and is suitable for connections which need to be detached again.
- When connected, protection class IP 67 can be achieved.
- Available in different designs and with different pole configurations.

- For connecting three-phase motors up to 7.5 kW.
- For connecting devices and machines to a power supply in various applications.
- Good oil and chemical resistance.











Circular connectors



Technical Data

Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC002635 ETIM 5.0/6.0 Circular connector (industrial connector)



Rated voltage (V)

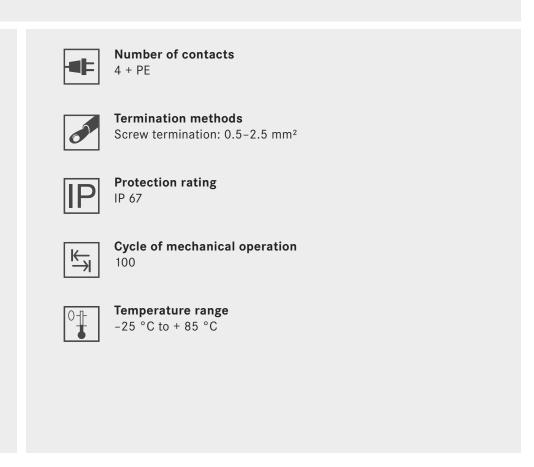
Rated impulse voltage



Rated current (A)



Contact resistance < 10 m0hm



EPIC® POWER M12T screw connection



Compact M12 power connector (T-coded) with screw connection, for small devices and motors in direct current applications, available in different variants.

Benefits

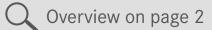
- High stability thanks to impact-resistant polyamide.
- High power up to 12 A despite extremely space-saving design for very small devices.
- The mechanical T-coding of the connector face prevents incorrect plugging with mating connectors.
- The service-friendly screw connection makes assembly possible without a special tool, and is suitable for connections which need to be detached again.
- When connected, protection class IP 67 can be achieved.
- Available in different designs.

- For direct current applications in the low-voltage range.
- For supplying power to smaller devices (e.g. decentralised I/O modules, smaller motors).
- Good oil and chemical resistance.











Safety and indicators



Technical Data



Further dimensions and symbols





90-95% Polypropylene, nonhalogenated



FLEXIMARK® THERMO CLIP



Temperature indicator for monitoring power cables, with memory effect, halogen-free, available for different cable outer diameters.

Benefits

- The attached temperature indicators make visual inspection of electrical equipment possible. A colour change occurs if the temperature is exceeded.
- Quickly identifying overheated electrical components makes rapid cause analysis possible. This allows appropriate countermeasures to be initiated to avoid plant downtimes.
- 24/7 monitoring and the memory effect make it possible to continuously record temperature exceedance, and can act as an early warning of overheating.
- Safe, fast and uncomplicated installation.
- Halogen-free product that generates no harmful gases in the event of a fire.
- Available in different sizes for cable outer diameters ranging from 2.3–31.0 mm.
- Available in different packaging units.

- For indicating that temperatures have been exceeded.
- Reversible colour change at temperatures of +53 °C to +70 °C.
- Irreversible colour change at temperatures from +71 °C.
- For use with power cables.
- Can be used in dry interiors.

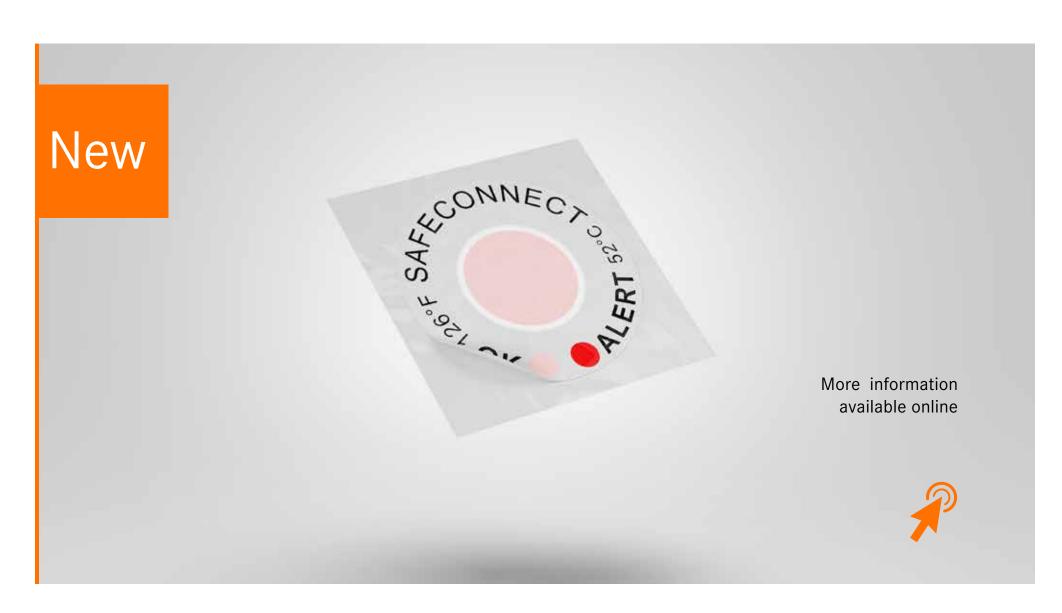








Safety and indicators



Technical Data





Color change material: Non-toxic, white crystalline solid on a black absorbent backing, adhered with acrylic adhesive.



- Activation temperature: 52 °C
- Tolerance: +/- 1 °C
- Store at room temperature & humidity (i.e. 16 °C to 27 °C & 40% to 60% RH)

FLEXIMARK® THERMO SPOT

Temperature indicator for monitoring electrical equipment, with memory effect, activation temperature of +52 °C.

Benefits

- The attached temperature indicators make it possible to carry out a visual inspection of electrical equipment with a flat surface. A colour change occurs if the temperature is exceeded.
- Quickly identifying overheated electrical components makes rapid cause analysis possible. This allows appropriate countermeasures to be initiated to avoid plant downtimes.
- 24/7 monitoring and the memory effect make it possible to continuously record temperature exceedance, and can act as an early warning of overheating.
- Safe, fast and uncomplicated installation.
- Available in different packaging units.

- For indicating that temperatures have been exceeded.
- Irreversible colour change at temperatures from +52 °C.
- For use with electrical equipment.
- Can be used in dry interiors.









Safety and indicators



Technical Data



Colour delivered



Material Polyester

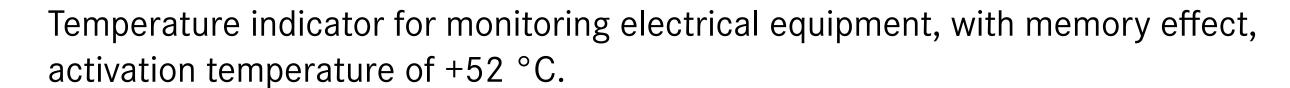
Covering film: Polyester Adhesive: Acrylic Color change material: Non-toxic, white crystalline solid on a black absorbent backing, adhered with acrylic adhesive.



amnerature range

- Activation temperature: 52 °C
- Tolerance: +/- 1 °C
- Store at room temperature & humidity (i.e. 16 °C to 27 °C & 40% to 60% RH)

FLEXIMARK® THERMO SPOT-B



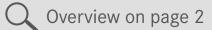
Benefits

- The attached temperature indicators make it possible to carry out a visual inspection of electrical equipment with a flat surface. A colour change occurs if the temperature is exceeded.
- Quickly identifying overheated electrical components makes rapid cause analysis possible. This allows appropriate countermeasures to be initiated to avoid plant downtimes.
- 24/7 monitoring and the memory effect make it possible to continuously record temperature exceedance, and can act as an early warning of overheating.
- Safe, fast and uncomplicated installation.
- Available in different packaging units.

- For indicating that temperatures have been exceeded.
- Irreversible colour change at temperatures from +52 °C.
- For use with electrical equipment.
- Can be used in dry interiors.









Safety and indicators



Technical Data





Color change material: Non-toxic, white crystalline solid on a black absorbent backing, adhered with acrylic adhesive.



- Activation temperature: 70 °C and 90 °C Tolerance: +/- 1 °C

Store at room temperature & humidity (i.e. 16 °C to 27 °C & 40% to 60% RH)

FLEXIMARK® THERMO WRAP

Temperature indicator for monitoring power cables, with memory effect, available for different activation temperatures (+70 °C or +90 °C).

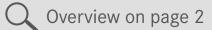
Benefits

- The attached temperature indicators make visual inspection of electrical equipment possible. A colour change occurs if the temperature is exceeded.
- Quickly identifying overheated electrical components makes rapid cause analysis possible. This allows appropriate countermeasures to be initiated to avoid plant downtimes.
- 24/7 monitoring and the memory effect make it possible to continuously record temperature exceedance, and can act as an early warning of overheating.
- Safe, fast and uncomplicated installation.
- Suitable for cable outer diameters of up to 33 mm.
- Available in different packaging units.

- For indicating that temperatures have been exceeded.
- Irreversible colour change at temperatures from +70 °C or +90 °C (depending on article).
- For use with power cables.
- Can be used in dry interiors.









Safety and indicators



Technical Data



On reques

Further dimensions and symbols



Colour delivere



Material

5–10% Thermochromic Masterbatch. 90–95% Polypropylene, nonhalogenated (Halogen-free).



Tempe

Reversible colour change at temperatures of +53 °C to +70 °C. Irreversible colour change at temperatures from +71 °C.

FLEXIMARK® THERMO CLIP 70 °C starter kit

Starter kit as basic equipment with FLEXIMARK® THERMO CLIP temperature indicators, in a stable and stackable case, with small part inserts and a transparent cover.

Benefits

- Starter kit as basic equipment with FLEXIMARK® THERMO CLIP temperature indicators in five different sizes for a cable outer diameters of 2.3–31.0 mm.
- The use of small parts ensures optimum order and prevents the content from being mixed up. The size of the individual compartments can be individually adapted.
- Stackable and robust case made of durable plastic.
- The transparent lid provides a perfect overview, even when closed.
- The snap closure provides reliable closing.

- For safe transport and storage of FLEXIMARK® THERMO CLIP temperature indicators.
- Especially for use in maintenance, e.g. for inspecting industrial plants.









Electrical connecting material



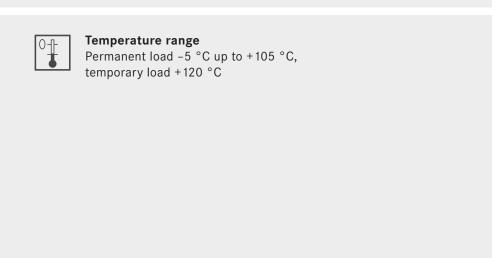
Technical Data



Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000005 ETIM 5.0/6.0 Class-Description: Cable end sleeve



Surface: tin-plated



Conductor end sleeves on coils



What is new? The conductor end sleeves on a coil are now also available in new colours and for other conductor cross-sections.

Benefits

- Conductor end sleeve tape on coil for maximum simplification and time saving.
- Ideal for automated cable assembly in large volumes.
- Particularly suitable in combination with GLW crimping machines.
- UL certification according to technical data enables the product to be used in the North American market.

Application ranges

• For creating a (semi-)automated crimp connection using a crimping machine.















Electrical connecting material



Technical Data





Cu tube cable lugs 📴

Tube cable lug made of copper, heat-resistant up to +180 °C, for use with ÖLFLEX® HEAT cables/single cores, available in different dimensions.

Benefits

- Withstand temperatures up to +180 °C.
- Compatible with equally heat-resistant ÖLFLEX® HEAT cables/ single cores (e.g. ÖLFLEX® HEAT 180 product series).
- Heat resistance tested in 1,000 test cycles with ÖLFLEX® HEAT 180 cables, in accordance with DIN EN IEC 61238-1-1.
- Suitable for use with KLAUKE crimping tools.
- When tube cable lugs made of copper are being used, lower contact resistances are generated at the contact point than with tube cable lugs made of stainless steel.
- UL certification according to technical data enables the product to be used in the North American market.

Application ranges

 For creating a safe crimp connection with multi-wire and fine-wire round cables in classes 2 and 5 in accordance with DIN EN 60228.



















Electrical connecting material



Technical Data





Ni tube cable lugs



Tube cable lug made of nickel, heat-resistant up to +650 °C, for use with ÖLFLEX® HEAT single cores, available in different dimensions.

Benefits

- Withstand temperatures up to +650 °C.
- Compatible with equally heat-resistant ÖLFLEX® HEAT single cores with nickel conductors.
- The lowest contact resistances are achieved when contacting with pure nickel conductors.
- Suitable for use with KLAUKE crimping tools.
- The flat mounting surface and precise processing simplify the crimping process.

Application ranges

• For creating a safe crimp connection with multi-wire and fine-wire round cables in classes 2 and 5 in accordance with DIN EN 60228.













Electrical connecting material



Technical Data Temperature range Temperature (max.) +400 °C

V2A tube cable lugs 📴

Tube cable lug made of V2A stainless steel, heat-resistant up to +400 °C, for use with ÖLFLEX® HEAT cables/single cores, available in different dimensions.

Benefits

- Withstand temperatures up to +400 °C.
- Compatible with equally heat-resistant ÖLFLEX® HEAT cables/ single cores.
- Suitable for use with KLAUKE crimping tools.
- The flat mounting surface and precise processing simplify the crimping process.

- For creating a safe crimp connection with multi-wire and fine-wire round cables in classes 2 and 5 in accordance with DIN EN 60228.
- Resistant to corrosion and acid.





















LEGEND

NEW PRODUCT



PRODUCT EXTENSION



PRODUCT CHARACTERISTICS



Suitable for outdoor use



Maximum vibration protection



Clean room



Temperature-resistant



Good chemical resistance



Mechanical resistance



Robust



Torsion-resistant



Flame-retardant



Assembly time



Acid-resistant



Torsion load



Wide clamping range



Low weight



Reliability



UV-resistant



Halogen-free



Oil-resistant



Integrated SKINTOP® cable gland



Waterproof



Heat-resistant



Optimum strain relief



Voltage



Variety of approval certifications



Cold-resistant



Space requirement

Cable chain



Interference signals

standard housing unit

Connector with



Submersible use



Corrosion-resistant



Please note:

The purpose of the icons is to provide you with a quick overview and a rough indication of the product features to which the corresponding information relates. You can find details of product characteristics in the "technical data" sections on the product pages.



















Article List Innovations 2024 | April

	Product name
Part number	Article description
	UNIRAIL S 50264-3-1 600V M FR
15382100	UNIRAIL S 50264-3-1 600V M FR 1X0,5
15382101	UNIRAIL S 50264-3-1 600V M FR 1X0,75
15382102	UNIRAIL S 50264-3-1 600V M FR 1X1
15382103	UNIRALL S 50264-3-1 600V M FR 1X1,5
15382104 15382105	UNIRAIL S 50264-3-1 600V M FR 1X2,5 UNIRAIL S 50264-3-1 600V M FR 1X4
15382106	UNIRAIL S 50264-3-1 600V M FR 1X6
15382107	UNIRAIL S 50264-3-1 600V M FR 1X10
15382108	UNIRAIL S 50264-3-1 600V M FR 1X16
15382109	UNIRAIL S 50264-3-1 600V M FR 1X25
15382110	UNIRAIL S 50264-3-1 600V M FR 1X35
15382111	UNIRAIL S 50264-3-1 600V M FR 1X50
15382112	UNIRALL S 50264-3-1 600V M FR 1X70
15382113 15382114	UNIRAIL S 50264-3-1 600V M FR 1X95 UNIRAIL S 50264-3-1 600V M FR 1X120
15382115	UNIRAIL S 50264-3-1 600V M FR 1X150
15382116	UNIRAIL S 50264-3-1 600V M FR 1X185
15382117	UNIRAIL S 50264-3-1 600V M FR 1X240
15382118	UNIRAIL S 50264-3-1 600V M FR 1X300
15382119	UNIRAIL S 50264-3-1 600V M FR 1X400
	UNIRAIL S 50264-3-2 300V MM FR
15382130	UNIRAIL S 50264-3-2 300V MM FR 2X0,5
15382131	UNIRALL S 50264-3-2 300V MM FR 4X0,5
15382132 15382133	UNIRAIL S 50264-3-2 300V MM FR 3X0,75 UNIRAIL S 50264-3-2 300V MM FR 2X1
15382134	UNIRAIL S 50264-3-2 300V MM FR 3X1
15382135	UNIRAIL S 50264-3-2 300V MM FR 4X1
15382136	UNIRAIL S 50264-3-2 300V MM FR 6X1
15382137	UNIRAIL S 50264-3-2 300V MM FR 2X1,5
15382138	UNIRAIL S 50264-3-2 300V MM FR 2X2,5
	UNIRAIL S 50264-3-2 300V MMS FR
15382150	UNIRAIL S 50264-3-2 300V MMS FR 2X0,5
15382151 15382152	UNIRAIL S 50264-3-2 300V MMS FR 4X0,5 UNIRAIL S 50264-3-2 300V MMS FR 3X0,75
15382153	UNIRAIL S 50264-3-2 300V MMS FR 2X1
15382154	UNIRAIL S 50264-3-2 300V MMS FR 3X1
15382155	UNIRAIL S 50264-3-2 300V MMS FR 4X1
15382156	UNIRAIL S 50264-3-2 300V MMS FR 6X1
15382157	UNIRAIL S 50264-3-2 300V MMS FR 2X1,5
15382158	UNIRAIL S 50264-3-2 300V MMS FR 2X2,5
	UNIRAIL S 50264-3-2 600V MM FR
15382170	UNIRALL S 50264-3-2 600V MM FR 2X1,5
15382171 15382172	UNIRAIL S 50264-3-2 600V MM FR 3X1,5 UNIRAIL S 50264-3-2 600V MM FR 4X1,5
15382173	UNIRAIL S 50264-3-2 600V MM FR 2X2,5
15382174	UNIRAIL S 50264-3-2 600V MM FR 3X2,5
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15382175	UNIRAIL S 50264-3-2 600V MM FR 4X2,5
	UNIRAIL S 50264-3-2 600V MM FR 4X2,5 UNIRAIL S 50264-3-2 600V MM FR 2X4
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15382175 15382176 15382190	UNIRAIL S 50264-3-2 600V MM FR 2X4 UNIRAIL S 50264-3-2 600V MMS FR UNIRAIL S 50264-3-2 600V MMS FR 2X1,5
15382175 15382176 15382190 15382191	UNIRAIL S 50264-3-2 600V MM FR 2X4 UNIRAIL S 50264-3-2 600V MMS FR UNIRAIL S 50264-3-2 600V MMS FR 2X1,5 UNIRAIL S 50264-3-2 600V MMS FR 3X1,5
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15382175 15382176 15382190 15382191 15382192 15382193	UNIRAIL S 50264-3-2 600V MM FR 2X4 UNIRAIL S 50264-3-2 600V MMS FR UNIRAIL S 50264-3-2 600V MMS FR 2X1,5 UNIRAIL S 50264-3-2 600V MMS FR 3X1,5 UNIRAIL S 50264-3-2 600V MMS FR 4X1,5 UNIRAIL S 50264-3-2 600V MMS FR 2X2,5
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	Product name
Part number	Article description
	ETHERLINE® FD bioP Cat.5e
21704891	ETHERLINE® FD bioP Cat.5e 4x2x26/19AWG
	EPIC® SIGNAL M23 D6 TWIST
381166481	EPIC® SIGNAL M23 D6 TWIST N 7-10 (1)
381166482	EPIC® SIGNAL M23 D6 TWIST N 7-10 (20)
381166483	EPIC® SIGNAL M23 D6 TWIST N 9.5-13.5 (1)
381166484	EPIC® SIGNAL M23 D6 TWIST N 9.5-13.5 (20)
381166485	EPIC® SIGNAL M23 D6 TWIST N 5-7.3 (1)
10424000	EPIC® H-A 3 TG EPIC® H-A 3 TG M20 gr
19426000 19425500	EPIC® H-A 3 TG M20 bk
19426400	EPIC® H-A 3 TGV M20 gr 3-13.5mm
19426700	EPIC® H-A 3 TGV M20 bk 3-13.5mm
	EPIC® H-A 3 TGB
19429000	EPIC® H-A 3 TGB M20 gr
19429200	EPIC® H-A 3 TGB M20 bk
19429100	EPIC® H-A 3 TGVB M20 gr 3-13.5mm
19620300	EPIC® H-A 3 TGVB M20 bk 3-13.5mm
	EPIC® H-A 3 AG
10422000	EPIC® H.A. A.A. A.A. A.B. H.
10422200	EPIC® H O 4+2
44423372	EPIC® H-Q 4+2 EPIC® H-Q 4+2 SCM
44423372 44423373	EPIC® H-Q 4+2 BCM
	EPIC® H-Q 8
44423374	EPIC® H-Q 8 SCM
44423375	EPIC® H-Q 8 BCM
	EPIC® H-Q 17
44423376	EPIC® H-Q 17 SCM
44423377	EPIC® H-Q 17 BCM
	EPIC® H-Q TG
381166440	EPIC® H-Q TG M25
201144444	EPIC® H.O.TS
381166441	EPIC® H-Q TS M25 EPIC® SOLAR 4 GEN2 M
44428270	EPIC* SOLAR 4 GEN2 M EPIC* SOLAR 4 GEN2 M 5.2-7.0mm
44428277	EPIC® SOLAR 4 GEN2 M 4-6 5.2-7.0mm
381166461	EPIC® SOLAR 4 GEN2 M 5.2-7.0mm
	EPIC® SOLAR 4 GEN2 F
44428271	EPIC® SOLAR 4 GEN2 F 5.2-7.0mm
44428278	EPIC® SOLAR 4 GEN2 F 4-6 5.2-7.0mm
381166462	EPIC® SOLAR 4 GEN2 F 5.2-7.0mm
381166462	EPIC® SOLAR 4 GEN2 Kontakte /
	EPIC® SOLAR 4 GEN2 Kontakte / EPIC® SOLAR 4 GEN2 Contacts
44428272	EPIC® SOLAR 4 GEN2 Kontakte /
44428272	EPIC® SOLAR 4 GEN2 Kontakte / EPIC® SOLAR 4 GEN2 Contacts EPIC® SOLAR 4 GEN2 PIN M 4-6mm (2500)
44428272 44428273	EPIC® SOLAR 4 GEN2 Kontakte / EPIC® SOLAR 4 GEN2 Contacts EPIC® SOLAR 4 GEN2 PIN M 4-6mm (2500) EPIC® SOLAR 4 GEN2 PIN F 4-6mm (2500)
44428272 44428273 44428274	EPIC® SOLAR 4 GEN2 Kontakte / EPIC® SOLAR 4 GEN2 Contacts EPIC® SOLAR 4 GEN2 PIN M 4-6mm (2500) EPIC® SOLAR 4 GEN2 PIN F 4-6mm (2500) EPIC® SOLAR 4 GEN2 Splitter
44428272 44428273 44428274	EPIC® SOLAR 4 GEN2 Kontakte / EPIC® SOLAR 4 GEN2 Contacts EPIC® SOLAR 4 GEN2 PIN M 4-6mm (2500) EPIC® SOLAR 4 GEN2 PIN F 4-6mm (2500) EPIC® SOLAR 4 GEN2 Splitter EPIC® SOLAR 4 GEN2 SPLITTER FMM EPIC® SOLAR 4 GEN2 SPLITTER MFF EPIC® SOLAR 4 GEN2 Montagewerkzeug /
44428272 44428273 44428274 44428275	EPIC® SOLAR 4 GEN2 Kontakte / EPIC® SOLAR 4 GEN2 Contacts EPIC® SOLAR 4 GEN2 PIN M 4-6mm (2500) EPIC® SOLAR 4 GEN2 PIN F 4-6mm (2500) EPIC® SOLAR 4 GEN2 SPLITTER FMM EPIC® SOLAR 4 GEN2 SPLITTER MFF EPIC® SOLAR 4 GEN2 SPLITTER MFF EPIC® SOLAR 4 GEN2 Montagewerkzeug / EPIC® SOLAR 4 GEN2 Assembly tool
44428272 44428273 44428274 44428275	EPIC® SOLAR 4 GEN2 Kontakte / EPIC® SOLAR 4 GEN2 Contacts EPIC® SOLAR 4 GEN2 PIN M 4-6mm (2500) EPIC® SOLAR 4 GEN2 PIN F 4-6mm (2500) EPIC® SOLAR 4 GEN2 SPLITTER FMM EPIC® SOLAR 4 GEN2 SPLITTER MFF EPIC® SOLAR 4 GEN2 Montagewerkzeug / EPIC® SOLAR 4 GEN2 Assembly tool EPIC® SOLAR 4 GEN2 ASSEMBLY TOOL
44428272 44428273 44428274 44428275	EPIC® SOLAR 4 GEN2 Kontakte / EPIC® SOLAR 4 GEN2 Contacts EPIC® SOLAR 4 GEN2 PIN M 4-6mm (2500) EPIC® SOLAR 4 GEN2 PIN F 4-6mm (2500) EPIC® SOLAR 4 GEN2 SPLITTER FMM EPIC® SOLAR 4 GEN2 SPLITTER MFF EPIC® SOLAR 4 GEN2 SPLITTER MFF EPIC® SOLAR 4 GEN2 Montagewerkzeug / EPIC® SOLAR 4 GEN2 Assembly tool
44428272 44428273 44428274 44428275 44428276	EPIC® SOLAR 4 GEN2 Kontakte / EPIC® SOLAR 4 GEN2 Contacts EPIC® SOLAR 4 GEN2 PIN M 4-6mm (2500) EPIC® SOLAR 4 GEN2 PIN F 4-6mm (2500) EPIC® SOLAR 4 GEN2 SPLITTER FMM EPIC® SOLAR 4 GEN2 SPLITTER MFF EPIC® SOLAR 4 GEN2 Montagewerkzeug / EPIC® SOLAR 4 GEN2 Assembly tool EPIC® SOLAR 4 GEN2 ASSEMBLY TOOL EPIC® SOLAR 4 GEN2 Kappen /
44428272 44428273 44428274 44428275 44428276	EPIC® SOLAR 4 GEN2 Kontakte / EPIC® SOLAR 4 GEN2 Contacts EPIC® SOLAR 4 GEN2 PIN M 4-6mm (2500) EPIC® SOLAR 4 GEN2 PIN F 4-6mm (2500) EPIC® SOLAR 4 GEN2 SPLITTER FMM EPIC® SOLAR 4 GEN2 SPLITTER MFF EPIC® SOLAR 4 GEN2 SPLITTER MFF EPIC® SOLAR 4 GEN2 Montagewerkzeug / EPIC® SOLAR 4 GEN2 Assembly tool EPIC® SOLAR 4 GEN2 ASSEMBLY TOOL EPIC® SOLAR 4 GEN2 Kappen / EPIC® SOLAR 4 GEN2 Caps
44428272 44428273 44428274 44428275 44428276	EPIC® SOLAR 4 GEN2 Kontakte / EPIC® SOLAR 4 GEN2 Contacts EPIC® SOLAR 4 GEN2 PIN M 4-6mm (2500) EPIC® SOLAR 4 GEN2 PIN F 4-6mm (2500) EPIC® SOLAR 4 GEN2 Splitter EPIC® SOLAR 4 GEN2 SPLITTER FMM EPIC® SOLAR 4 GEN2 SPLITTER MFF EPIC® SOLAR 4 GEN2 Montagewerkzeug / EPIC® SOLAR 4 GEN2 ASSEMBLY TOOL EPIC® SOLAR 4 GEN2 Kappen / EPIC® SOLAR 4 GEN2 Caps EPIC® SOLAR 4 GEN2 CAP
44428272 44428273 44428274 44428275 44428276 381166463 381166464	EPIC® SOLAR 4 GEN2 Kontakte / EPIC® SOLAR 4 GEN2 Contacts EPIC® SOLAR 4 GEN2 PIN M 4-6mm (2500) EPIC® SOLAR 4 GEN2 PIN F 4-6mm (2500) EPIC® SOLAR 4 GEN2 SPLITTER FMM EPIC® SOLAR 4 GEN2 SPLITTER FMM EPIC® SOLAR 4 GEN2 SPLITTER MFF EPIC® SOLAR 4 GEN2 Montagewerkzeug / EPIC® SOLAR 4 GEN2 ASSEMBLY TOOL EPIC® SOLAR 4 GEN2 Kappen / EPIC® SOLAR 4 GEN2 Caps EPIC® SOLAR 4 GEN2 M CAP EPIC® SOLAR 4 GEN2 M CAP EPIC® SOLAR 4 GEN2 F CAP EPIC® H-B 16 TG M20
44428272 44428273 44428274 44428275 44428276 381166463 381166464	EPIC® SOLAR 4 GEN2 Kontakte / EPIC® SOLAR 4 GEN2 PIN M 4-6mm (2500) EPIC® SOLAR 4 GEN2 PIN F 4-6mm (2500) EPIC® SOLAR 4 GEN2 PIN F 4-6mm (2500) EPIC® SOLAR 4 GEN2 SPLITTER FMM EPIC® SOLAR 4 GEN2 SPLITTER MFF EPIC® SOLAR 4 GEN2 SPLITTER MFF EPIC® SOLAR 4 GEN2 Montagewerkzeug / EPIC® SOLAR 4 GEN2 ASSEMBLY TOOL EPIC® SOLAR 4 GEN2 Kappen / EPIC® SOLAR 4 GEN2 Caps EPIC® SOLAR 4 GEN2 M CAP EPIC® SOLAR 4 GEN2 F CAP EPIC® SOLAR 4 GEN2 F CAP EPIC® H-B 16 T EPIC® H-B 16 TG M20 EPIC® Zwischenstutzen / EPIC® Collar
44428272 44428273 44428274 44428275 44428276 381166463 381166464 19080001	EPIC® SOLAR 4 GEN2 Kontakte / EPIC® SOLAR 4 GEN2 PIN M 4-6mm (2500) EPIC® SOLAR 4 GEN2 PIN M 4-6mm (2500) EPIC® SOLAR 4 GEN2 PIN F 4-6mm (2500) EPIC® SOLAR 4 GEN2 SPLITTER FMM EPIC® SOLAR 4 GEN2 SPLITTER MFF EPIC® SOLAR 4 GEN2 SPLITTER MFF EPIC® SOLAR 4 GEN2 Montagewerkzeug / EPIC® SOLAR 4 GEN2 ASSEMBLY TOOL EPIC® SOLAR 4 GEN2 Kappen / EPIC® SOLAR 4 GEN2 Caps EPIC® SOLAR 4 GEN2 Caps EPIC® SOLAR 4 GEN2 M CAP EPIC® SOLAR 4 GEN2 F CAP EPIC® H-B 16 T EPIC® H-B 16 TG M20 EPIC® Zwischenstutzen / EPIC® Collar EPIC® ZWischenstutzen / EPIC® Collar
44428272 44428273 44428274 44428275 44428276 381166463 381166464 19080001 10016000 10016000	EPIC® SOLAR 4 GEN2 Kontakte / EPIC® SOLAR 4 GEN2 PIN M 4-6mm (2500) EPIC® SOLAR 4 GEN2 PIN M 4-6mm (2500) EPIC® SOLAR 4 GEN2 PIN F 4-6mm (2500) EPIC® SOLAR 4 GEN2 Splitter EPIC® SOLAR 4 GEN2 SPLITTER FMM EPIC® SOLAR 4 GEN2 SPLITTER MFF EPIC® SOLAR 4 GEN2 Montagewerkzeug / EPIC® SOLAR 4 GEN2 ASSEMBLY TOOL EPIC® SOLAR 4 GEN2 Kappen / EPIC® SOLAR 4 GEN2 Caps EPIC® SOLAR 4 GEN2 Caps EPIC® SOLAR 4 GEN2 M CAP EPIC® SOLAR 4 GEN2 M CAP EPIC® H-B 16 T EPIC® H-B 16 TG M20 EPIC® ZWischenstutzen / EPIC® Collar EPIC® ZW M20 EPIC® ZW M25
44428272 44428273 44428274 44428275 44428276 381166463 381166464 19080001 10016000 10016000 10016001	EPIC® SOLAR 4 GEN2 Kontakte / EPIC® SOLAR 4 GEN2 PIN M 4-6mm (2500) EPIC® SOLAR 4 GEN2 PIN F 4-6mm (2500) EPIC® SOLAR 4 GEN2 PIN F 4-6mm (2500) EPIC® SOLAR 4 GEN2 SPLITTER FMM EPIC® SOLAR 4 GEN2 SPLITTER MFF EPIC® SOLAR 4 GEN2 Montagewerkzeug / EPIC® SOLAR 4 GEN2 Assembly tool EPIC® SOLAR 4 GEN2 ASSEMBLY TOOL EPIC® SOLAR 4 GEN2 Kappen / EPIC® SOLAR 4 GEN2 Caps EPIC® SOLAR 4 GEN2 M CAP EPIC® SOLAR 4 GEN2 F CAP EPIC® SOLAR 4 GEN2 F CAP EPIC® H-B 16 T EPIC® L-B 16 TG M20 EPIC® ZW M20 EPIC® ZW M25 EPIC® ZW M32
44428272 44428273 44428274 44428275 44428276 381166463 381166464 19080001 10016000 10016000 10016001 10016002 10016003	EPIC® SOLAR 4 GEN2 Kontakte / EPIC® SOLAR 4 GEN2 PIN M 4-6mm (2500) EPIC® SOLAR 4 GEN2 PIN M 4-6mm (2500) EPIC® SOLAR 4 GEN2 PIN F 4-6mm (2500) EPIC® SOLAR 4 GEN2 SPLITTER FMM EPIC® SOLAR 4 GEN2 SPLITTER MFF EPIC® SOLAR 4 GEN2 Montagewerkzeug / EPIC® SOLAR 4 GEN2 ASSEMBLY TOOL EPIC® SOLAR 4 GEN2 Kappen / EPIC® SOLAR 4 GEN2 Kappen / EPIC® SOLAR 4 GEN2 Caps EPIC® SOLAR 4 GEN2 M CAP EPIC® SOLAR 4 GEN2 F CAP EPIC® H-B 16 T EPIC® H-B 16 TG M20 EPIC® ZW M20 EPIC® ZW M25 EPIC® ZW M32 EPIC® ZW M40
44428272 44428273 44428274 44428275 44428276 381166463 381166464 19080001 10016000 10016000 10016001 10016002 10016003 10016004	EPIC® SOLAR 4 GEN2 Kontakte / EPIC® SOLAR 4 GEN2 PIN M 4-6mm (2500) EPIC® SOLAR 4 GEN2 PIN M 4-6mm (2500) EPIC® SOLAR 4 GEN2 PIN F 4-6mm (2500) EPIC® SOLAR 4 GEN2 SPLITTER FMM EPIC® SOLAR 4 GEN2 SPLITTER FMM EPIC® SOLAR 4 GEN2 SPLITTER MFF EPIC® SOLAR 4 GEN2 Montagewerkzeug / EPIC® SOLAR 4 GEN2 ASSEMBLY TOOL EPIC® SOLAR 4 GEN2 Kappen / EPIC® SOLAR 4 GEN2 Kappen / EPIC® SOLAR 4 GEN2 Caps EPIC® SOLAR 4 GEN2 F CAP EPIC® SOLAR 4 GEN2 M CAP EPIC® SOLAR 4 GEN2 M CAP EPIC® H-B 16 T EPIC® H-B 16 TG M20 EPIC® ZW M20 EPIC® ZW M25 EPIC® ZW M40 EPIC® ZW M40 EPIC® ZW M20 PG13,5
381166462 44428272 44428273 44428274 44428275 44428276 381166463 381166464 19080001 10016000 10016000 10016000 10016003 10016004 10016005 10016006	EPIC® SOLAR 4 GEN2 Kontakte / EPIC® SOLAR 4 GEN2 Contacts EPIC® SOLAR 4 GEN2 PIN M 4-6mm (2500) EPIC® SOLAR 4 GEN2 PIN F 4-6mm (2500) EPIC® SOLAR 4 GEN2 SPLITTER FMM EPIC® SOLAR 4 GEN2 SPLITTER FMM EPIC® SOLAR 4 GEN2 SPLITTER MFF EPIC® SOLAR 4 GEN2 Montagewerkzeug / EPIC® SOLAR 4 GEN2 ASSEMBLY TOOL EPIC® SOLAR 4 GEN2 ASSEMBLY TOOL EPIC® SOLAR 4 GEN2 Kappen / EPIC® SOLAR 4 GEN2 Caps EPIC® SOLAR 4 GEN2 M CAP EPIC® SOLAR 4 GEN2 F CAP EPIC® H-B 16 T EPIC® H-B 16 TG M20 EPIC® ZW M20 EPIC® ZW M25 EPIC® ZW M32 EPIC® ZW M40

	Product name
Part number	Article description
	EPIC® SENSOR M12A Lötanschluss /
2011//220	EPIC® SENSOR M12A Solder termination
381166329 381166322	EPIC® SENSOR M12A D6 12 SL1220 6-8 EPIC® SENSOR M12A F6 12 SL1220 6-8
301100322	EPIC® SENSOR M12A 7 o 12 SE1220 0-0
	EPIC® SENSOR M12A Screw termination
381166318	EPIC® SENSOR M12A F6 3 SR1220 6-8
381166319	EPIC® SENSOR M12A F6 4 SR1220 6-8
381166320 381166321	EPIC® SENSOR M12A F6 5 SR1220 6-8 EPIC® SENSOR M12A F6 8 SR1220 6-8
381166339	EPIC SENSOR M12A P0 6 SR1220 6-6 EPIC® SENSOR M12A D7 4 SR1220 6-8
381166325	EPIC® SENSOR M12A D6 3 SR1220 6-8
381166326	EPIC® SENSOR M12A D6 4 SR1220 6-8
381166327	EPIC® SENSOR M12A D6 5 SR1220 6-8
381166328	EPIC® SENSOR M12A D6 8 SR1220 6-8
381166341	EPIC® SENSOR M12A D7 5 SR1220 6-8
381166343	EPIC® SENSOR M12A D7 8 SR1220 6-8
381166332 381166333	EPIC® SENSOR M12A F1 3 SR1220 6-8 EPIC® SENSOR M12A F1 4 SR1220 6-8
381166335	EPIC® SENSOR M12A F1 4 SR1220 6-8 EPIC® SENSOR M12A F1 5 SR1220 6-8
381166337	EPIC® SENSOR M12A F1 8 SR1220 6-8
381166338	EPIC® SENSOR M12A D7 3 SR1220 6-8
	EPIC® SENSOR M12B Schraubanschluss /
381166323	EPIC® SENSOR M12B Screw termination EPIC® SENSOR M12B F6 5 SR1220 6-8
381166330	EPIC® SENSOR M12B P6 5 SR1220 6-8 EPIC® SENSOR M12B D6 5 SR1220 6-8
381166336	EPIC® SENSOR M12B F1 5 SR1220 6-8
381166342	EPIC® SENSOR M12B D7 5 SR1220 6-8
	EPIC® DATA M12D Schraubanschluss /
2011//224	EPIC® DATA M12D Screw termination
381166324 381166331	EPIC® DATA M12D F6 4 SR1220 6-8 EPIC® DATA M12D D6 4 SR1220 6-8
381166334	EPIC® DATA M12D F1 4 SR1220 6-8
381166340	EPIC® DATA M12D D7 4 SR1220 6-8
	EPIC® POWER M12L Schraubanschluss /
2044 / / 202	EPIC® POWER M12L Screw termination
381166308 381166313	EPIC® POWER M12L F6 4+FE SR1220 8-12 EPIC® POWER M12L D6 4+FE SR1220 8-12
381166316	EPIC® POWER M12L F1 4+FE SR1220 8-12
381166317	EPIC® POWER M12L D7 4+FE SR1220 8-12
	EPIC® POWER M12K Schraubanschluss /
0044//045	EPIC® POWER M12K Screw termination
381166315 381166314	EPIC® POWER M12K F6 4+PE SR1220 8-12 EPIC® POWER M12K D6 4+PE SR1220 8-12
381166311	EPIC® POWER M12K D6 4+PE SK1220 8-12 EPIC® POWER M12K F1 4+PE SK1220 8-12
381166312	EPIC® POWER M12K D7 4+PE SR1220 8-12
	EPIC® POWER M12M Schraubanschluss /
2011//014	EPIC® POWER M12M Screw termination
381166344 381166345	EPIC® POWER M12M F6 5+PE SR1220 8-12 EPIC® POWER M12M D6 5+PE SR1220 8-12
301100343	EPIC® POWER M12N Do 37FE SR1220 6-12 EPIC® POWER M12S Schraubanschluss /
	EPIC® POWER M12S Screw termination
381166309	EPIC® POWER M12S F6 2+PE SR1220 8-12
381166306	EPIC® POWER M12S D6 2+PE SR1220 8-12
381166310	EPIC® POWER M12S F6 3+PE SR1220 8-12 EPIC® POWER M12S D6 3+PE SR1220 8-12
381166307	EPIC® POWER M125 D6 3+PE SR1220 8-12 EPIC® POWER M12T Schraubanschluss /
	EPIC® POWER M12T Screw termination
381166346	EPIC® POWER M12T F6 4 SR1220 8-12
381166347	EPIC® POWER M12T D6 4 SR1220 8-12
	EPIC® POWER M12E Schraubanschluss / EPIC® POWER M12E Screw termination
381166348	EPIC® POWER M12E F6 4+FE SR1220 8-12
381166349	EPIC® POWER M12E D6 4+FE SR1220 8-12
	EPIC® POWER M 12F Schraubanschluss / EPIC® POWER M 12F Screw termination
381166350	EPIC® POWER M12F Screw termination EPIC® POWER M12F F6 4 SR1220 8-12
381166351	EPIC® POWER M12F P6 4 SR1220 6-12

381166351 EPIC® POWER M12F D6 4 SR1220 8-12

	Product name
Part number	Article description
	SKINDICHT® VENT PA6
51730190	SKINDICHT® VENT 6X0,75 LGY
51730192	SKINDICHT® VENT 6X0,75 SGY
51730188 51730196	SKINDICHT® VENT 6X0,75 BK
51730198	SKINDICHT® VENT 8X1,0 LGY SKINDICHT® VENT 8X1,0 SGY
51730194	SKINDICHT® VENT 8X1,0 BK
017 0017 1	Gegenmuttern PA / Locknuts PA
51730211	PA-LOCKNUT M6X0,75 LGY
51730210	PA-LOCKNUT M6X0,75 BK
51730214	PA-LOCKNUT M8X1,0 LGY
51730213	PA-LOCKNUT M8X1,0 BK
	Entwässerungselement / Drainage elements
51730220	DRAINAGE ELEMENT M12X1.5 BK
51730221	DRAINAGE ELEMENT M12X1.5 LGY
51730222	DRAINAGE ELEMENT M12X1.5 SGY
63207053	Rohrkabelschuhe Cu / Tube cable lugs Cu 91R3 COPPER CABLE LUG 0.75 M3
63207054	91R4 COPPER CABLE LUG 0.75 M4
63207055	91R5 COPPER CABLE LUG 0.75 M5
63207056	92R3 COPPER CABLE LUG 1.5 M3
63207057	92R4 COPPER CABLE LUG 1.5 M4
63207058	92R5 COPPER CABLE LUG 1.5 M5
63207059	92R6 COPPER CABLE LUG 1.5 M6
63207061	93R3 COPPER CABLE LUG 2.5 M3
63207062	93R4 COPPER CABLE LUG 2.5 M4
63207063	93R5 COPPER CABLE LUG 2.5 M5
63207064	93R6 COPPER CABLE LUG 2.5 M6
63207065	93R8 COPPER CABLE LUG 2.5 M8
63207066	94R4 COPPER CABLE LUG 4 M4
63207067	94R5 COPPER CABLE LUG 4 M5
63207068	94R6 COPPER CABLE LUG 4 M6
63207069	94R8 COPPER CABLE LUG 4 M8 95R4 COPPER CABLE LUG 6 M4
63207071	95R5 COPPER CABLE LUG 6 M5
63207073	95R6 COPPER CABLE LUG 6 M6
63207074	95R8 COPPER CABLE LUG 6 M8
63207075	2R5 COPPER CABLE LUG 10 M5
63207076	2R6 COPPER CABLE LUG 10 M6
63207077	2R8 COPPER CABLE LUG 10 M8
63207078	2R10 COPPER CABLE LUG 10 M10
63207079	2R12 COPPER CABLE LUG 10 M12
63207080	3R5 COPPER CABLE LUG 16 M5
63207081	3R6 COPPER CABLE LUG 16 M6
63207082	3R8 COPPER CABLE LUG 16 M8
63207083	3R10 COPPER CABLE LUG 16 M10 3R12 COPPER CABLE LUG 16 M12
03207084	Rohrkabelschuhe V2A / Tube cable lugs V2A
63207037	79V4 V2A CABLE LUG 0.5-1.0 M4
63207038	79V5 V2A CABLE LUG 0.5-1.0 M5
63207039	80V4 V2A CABLE LUG 1.5-2.5 M4
63207041	80V5 V2A CABLE LUG 1.5-2.5 M5
63207042	80V6 V2A CABLE LUG 1.5-2.5 M6
63207043	81V4 V2A CABLE LUG 4-6 M4
63207044	81V5 V2A CABLE LUG 4-6 M5
63207045	81V6 V2A CABLE LUG 4-6 M6
63207046	82V5 V2A CABLE LUG 10 M5
63207047	82V6 V2A CABLE LUG 10 M6
63207048	82V8 V2A CABLE LUG 10 M8
63207049	83V5 V2A CABLE LUG 16 M5 83V6 V2A CABLE LUG 16 M6
63207051	83V8 V2A CABLE LUG 16 M8
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	Duadust name
	Product name
Part number	Article description
	Rohrkabelschuhe Ni / Tube cable lugs Ni
63207020	56N3 NICKEL CABLE LUG 0.5-1.0 M3
63207021	56N4 NICKEL CABLE LUG 0.5-1.0 M4
63207022	56N5 NICKEL CABLE LUG 0.5-1.0 M5
63207023	57N3 NICKEL CABLE LUG 1.5-2.5 M3
63207024	57N4 NICKEL CABLE LUG 1.5-2.5 M4
63207025	57N5 NICKEL CABLE LUG 1.5-2.5 M5
63207026	57N6 NICKEL CABLE LUG 1.5-2.5 M6
63207027	58N4 NICKEL CABLE LUG 4-6 M4
63207028	58N5 NICKEL CABLE LUG 4-6 M5
63207029	58N6 NICKEL CABLE LUG 4-6 M6
63207030	58N8 NICKEL CABLE LUG 4-6 M8
63207031	59N5 NICKEL CABLE LUG 10 M5
63207032	59N6 NICKEL CABLE LUG 10 M6
63207033	60N5 NICKEL CABLE LUG 16 M5
63207034	60N6 NICKEL CABLE LUG 16 M6
63207035	60N8 NICKEL CABLE LUG 16 M8
63207036	60N10 NICKEL CABLE LUG 16 M10
	Aderendhülsen Spulenware / Conductor end sleeves coils
61802053	
	END SLEEVE GER B-COIL 0,5-8 OG
61802055	END SLEEVE GER B-COIL 1,0 8 VE
61802057	END SLEEVE GER B-COIL 1,0-8 YE
61802059	END SLEEVE GER B-COIL 1,5-8 RD
	FLEXIMARK® THERMO CLIP
83881100	FLEXIMARK® THERMO CLIP H1 70°C -50
83881101	FLEXIMARK® THERMO CLIP H1 70°C -1000
83881102	FLEXIMARK® THERMO CLIP H1 70°C -5000
83881103	FLEXIMARK® THERMO CLIP H2 70°C -50
83881104	FLEXIMARK® THERMO CLIP H2 70°C -500
83881105	FLEXIMARK® THERMO CLIP H2 70°C -5000
83881106	FLEXIMARK® THERMO CLIP H3 70°C -25
83881107	FLEXIMARK® THERMO CLIP H3 70°C -250
83881108	FLEXIMARK® THERMO CLIP H3 70°C -2000
83881109	FLEXIMARK® THERMO CLIP H4 70°C -12
83881110	FLEXIMARK® THERMO CLIP H4 70°C -120
83881111	FLEXIMARK® THERMO CLIP H4 70°C -500
83881112	FLEXIMARK® THERMO CLIP H5 70°C -6
83881113	FLEXIMARK® THERMO CLIP H5 70°C -60
83881114	FLEXIMARK® THERMO CLIP H5 70°C -240
03001114	FLEXIMARK® THERMO WRAP
83881120	FLEXIMARK® THERMO WRAP 70°C -1000
	FLEXIMARK® THERMO WRAP 70°C -1000 FLEXIMARK® THERMO WRAP 70°C -200
83881121	
83881122	FLEXIMARK® THERMO WRAP 70°C -50
83881123	FLEXIMARK® THERMO WRAP 70°C -20
83881124	FLEXIMARK® THERMO WRAP 90°C -1000
83881125	FLEXIMARK® THERMO WRAP 90°C -200
83881126	FLEXIMARK® THERMO WRAP 90°C -50
83881127	FLEXIMARK® THERMO WRAP 90°C -20
	FLEXIMARK® THERMO SPOT
83881128	FLEXIMARK® THERMO SPOT 52°C - 1000
83881129	FLEXIMARK® THERMO SPOT 52°C - 200
83881130	FLEXIMARK® THERMO SPOT 52°C - 50
83881131	FLEXIMARK® THERMO SPOT 52°C - 20
	FLEXIMARK® THERMO SPOT-B
83881132	FLEXIMARK® THERMO SPOT-B 52°C - 1000
83881133	FLEXIMARK® THERMO SPOT-B 52°C - 200
83881134	FLEXIMARK® THERMO SPOT-B 52°C - 50
83881135	FLEXIMARK® THERMO SPOT-B 52°C - 20
	FLEXIMARK® THERMO CLIP 70°C Starterkit /
	FLEXIMARK® THERMO CLIP 70°C Starter kit
83881140	FLEXIMARK® THERMO CLIP 70°C- Start kit