

M12 male 90° A-cod. with cable shielded

PUR 5x0.34 shielded gy UL/CSA+drag ch. 10m

Male 90° M12, 5-pole shielded A-coded

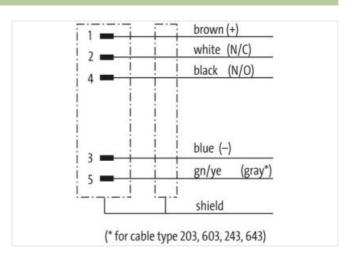
Plastic housings with good resistance against chemicals and oils.

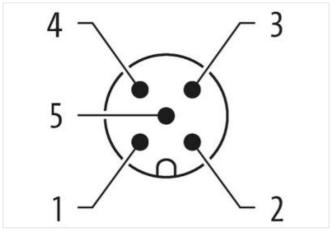
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

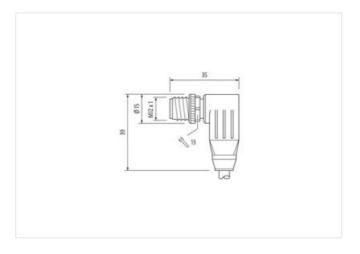
Link to Product

Illustration









Product may differ from Image













Cable length

10 m

Side 1

Tightening torque

0,6 Nm

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-14



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Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Coating contact	gold plated
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879728911
Packaging unit	1
	'
Electrical data Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius	endangered by excessive bending forces.

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Table Capital	Conformity	
Sable identification 242 Zable Type 3 Sable Type cVRus Type of Carlificatio cVRus Amount stranding 1 Stranding 5 wires around Core filler twisted Sable shiebding (type) copper braid, timed Sable weight 57.2 g/m Value (type) 57.2 g/m Value (type) 57.2 g/m Value (type) 5.5 c/m Forestorn from ingredients (glacket) 5.5 k/m Ober defameter (sheath) ± 5 k/m Sable and timeser (sheath) ± 5 k/m Duber defameter (sheath)	Product standard	DIN EN 61076-2-101 (M12)
Sable identification 242 Zable Type 3 Sable Type cVRus Type of Carlificatio cVRus Amount stranding 1 Stranding 5 wires around Core filler twisted Sable shiebding (type) copper braid, timed Sable weight 57.2 g/m Value (type) 57.2 g/m Value (type) 57.2 g/m Value (type) 5.5 c/m Forestorn from ingredients (glacket) 5.5 k/m Ober defameter (sheath) ± 5 k/m Sable and timeser (sheath) ± 5 k/m Duber defameter (sheath)	Installation Cable	
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Interest Code Pay		
Injuse of Certificate CURus Innount standing (1) Swiss around Core filler twisted Sahot and bedring (type) coppor braid, finned Sahot and bedring (type) coppor braid, finned Sahot and bedring (type) coppor braid, finned Sahot and shelding (source) 80 % Sanding Fleece, Foil		
Amount stranding 1 Firanding 5 wires around Core filler twisted Sable shielding (type) copper braid, tinned Sable shielding (coverage) 80 % Sandring Fleece, Foil Filler yes Wire arrangement brown, black blue, white, green-yellow Traversing distance (C-track) 5 m @ 25° (T) horizontal Sable sweight 57.2 g/m Malorial jackot PUR Shore hardness jackot PUR Shore hardness jackot 9 5.5 mm Fleedom from ingredients (jackel) lead-free, cadmium-free, CFC-free, halogen-free, silicons-free Duter diameter (jacket) 5.5 mm Floterance outer diameter (sheath) 1.5 mm Floterance outer diameter (sheath) 2.5 mm Floterance outer diameter (sheath) 1.25 mm Duter diameter (sheath) 5.5 mm Floterance outer diameter (sheath) 1.25 mm Duter		
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Cable shielding (coverage) copper braid, finned 2able shielding (coverage) 80 % 3andring Fleece, Foll Filler yes iver arrangement brown, black, blue, white, green-yellow fraversing distance (C-track) 5 m @ 25 °C horizontal 2able velogith 57.2 g/m Material jacket PUR Store hardness jacket PUR Store hardness jacket 90.5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) 5.5 m m Tolerance outer diameter (sheath) 4.5 % Material write insulation PP Amount writes 5 Zuber diameter insulation 1,255 mm Duter dia	Stranding	5 wires around Core filler twisted
Piece, Foll	Cable shielding (type)	copper braid, tinned
Fleece, Foil	Cable shielding (coverage)	80 %
wire arrangement brown, black, blue, white, green-yellow Traversing distance (C-track) 5 m @ 25 °C (Indizontal 32 be weight 57.2 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket 90 ± 5 Shore A Teredom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duler diameter (jacket) 5,6 mm Tolerance outer diameter (sheath) ± 5 % Shore hardness wire insulation PP Amount wires 5 Sulter diameter insulation 1,25 mm Duler diameter insulation 2 ± 5 % Shore hardness wire insulation 1,25 mm Duler diameter insulation 2 ± 5 % Shore hardness wire insulation 1,25 mm Durer diameter objerance core insulation 1,25 mm Durer diameter objerance ore insulation 1,25 mm Durer diameter objerance ore insulation 2 ± 5 % Shore hardness wire insulation 1,25 mm Durer diameter objerance ore insulation 2 ± 5 % Shore hardness wire insulation 1,25 mm Durer diameter objerance ore insulation 2 ± 5 % Amount strands (wire) 42 Dameter of single wires 0,1 mm Conductor crosssection (wire) 42 Dameter of single wires 0,1 mm Donductor yie (wire) 5 mranded copper wire, bare 2 mranded capetry (wire) 5 mranded capetry wire, bare 2 mranded capetry (yiere) 5 mranded capetry wire, bare 2 mranded capetry (yiere) 5 mranded capetry (yiere) 6 mranded capetry (yiere)	Banding	Fleece, Foil
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Tolerance outer diameter (sheath)	Outer-diameter (jacket)	·
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Shore hardness wire insulation 70 ± 5 Shore D	Outer diameter insulation	1,25 mm
Impredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Outer diameter tolerance core insulation	±5%
Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s	Shore hardness wire insulation	70 ± 5 Shore D
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Conductor crosssection (wire) Material conductor wire Stranded copper wire, bare Sound cotor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity standard) Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 C/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Deparating temperature max. (dynamic) 25 °C Deparating temperature max. (dynamic) 30 °C / 90 °C @ 10000 h Operation Elame resistance EC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Bending radius (fixed) 5 × Outer diameter Fravel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 2 Mio.	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Elame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Character Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Sending radius (fixed) 5 x Outer diameter Gending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 2 Mio. </td <td>Conductor crosssection (wire)</td> <td>0,34 mm²</td>	Conductor crosssection (wire)	0,34 mm ²
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Power frequency withstand voltage (wire - acket) AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) 25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Gending radius (dynamic) 10 x Outer diameter Fravel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 2 Mio.	Electrical resistance line constant wire	57 Ω/km @ 20 °C
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Min. operating temperature (static) Max. operating temperature (fixed) Max. operating temperature (fixed) Max. operating temperature (fixed) Max. operating temperature (fixed) Max. operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Fravel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 2 Mio.	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
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Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 2 Mio.	Operating temperature min. (dynamic)	-25 °C
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Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 2 Mio.	Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 2 Mio.	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 2 Mio.	Gasoline resistance	
Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 2 Mio.	Oil resistance	Good, application-related testing DIN EN 60811-404
Travel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 2 Mio.	Bending radius (fixed)	
No. of torsion cycles 2 Mio.	Bending radius (dynamic)	
	Travel speed (C-track)	5 Mio. @ 25 °C
Torsion stress ± 30 °/m	No. of torsion cycles	2 Mio.
	Torsion stress	± 30 °/m

Product-PDF for Article 7000-13161-2421000



Torsion speed

35 cycles/min