

## M12 male $0^{\circ}$ / M12 female $0^{\circ}$ A-cod.

PUR 3x0.34 bk UL/CSA 5m

## ⚠ NOTICE ⚠ PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.

Male straight - female straight

M12 - M12, 3-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

Plastic housings with good resistance against chemicals and oils.

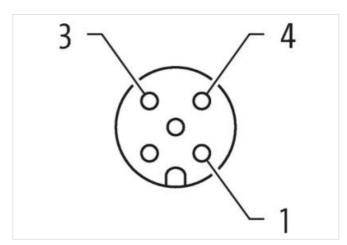
The resistance to aggressive media should be individually tested for your application. Further details on request.

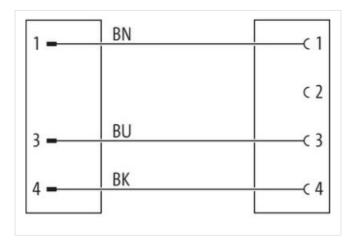
Further cable lengths on request.

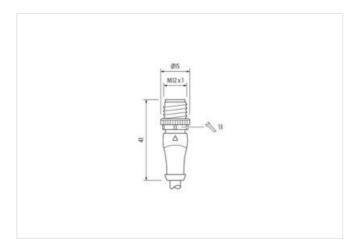
## **Link to Product**

## Illustration



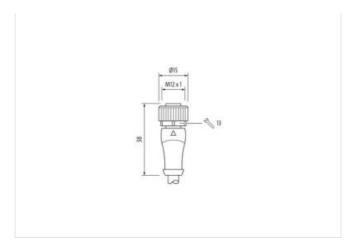


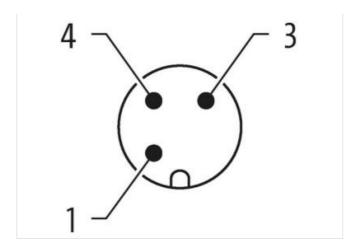






stay connected





Product may differ from Image













Cable length	5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
No. of poles	3
Width across flats	SW13
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	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



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CTIN	customs tariff number	85444290
Packaging unit    Electrical data   Supply		
Electrical data   Supply         250 V           Operating voltage AC (III electro)         250 V           Operating voltage AC (III electro)         30 V           Operating voltage AC (III electro)         30 V           Operating voltage AC (III electro)         30 V           Installation   Connection         4 A           Mounting set         M12 x I           Device protection   Electrical         Will x I           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Radia auray voltage         2,5 kV           Material group (IEC 50664-1)         1           Michanical data   Mietral data		
Operating voltage AC max.         250 V           Operating voltage DC max.         250 V           Operating voltage AC ULL-sited)         30 V           Operating voltage DC (UL-sited)         30 V           Operating voltage DC (UL-sited)         30 V           Current operating or contact max.         4 A           Installation   Connection         Mounting set           Mounting set         M12 x I           Power protection   Electrical         Device protection   Electrical           Additional condition protection degree         3           Rated surge voltage         2,5 kV           Material group (EC 60064-1)         I           Mechanical data   Material data         Coating locking           Coating locking         Nickeled           Coating of litting         Incide casting           Mechanical data   Mourting         Incide casting           Mechanical data   Mourting data         Incide casting           Mounting method         Incepted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating interpolature max.           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files		'
Cyperating voltage DC max.   250 V		
Operating voltage AC (UL-island)         30 Y           Operating voltage DC (UL-island)         30 V           Current operating per contact max.         4 A           Installation   Connection         MI2 x 1           Power protection   Electrical         Power protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Raided surge voltage         2,5 kV           Material group (EC 60064-1)         1           Mechanical data   Material data         Nickeled           Conting locking         Nickeled           Conting of fitting         nickel plated           Locking material         Zinc die-casting           Mactrial group (EC 60064-1)         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting           Mounting method         inserted, screwed, Shaking protection           Environmental characterialics   Climatic         Environmental characterialics   Climatic           Operating temperature max.         85 °C           Operating temperature max.         85 °C           Note on bending radiu         Attention: Characte		
Operating per contact max. 4 A Installation   Connection  Mounting set MI2 x 1  Device protection   Electrical  Additional condition protection degree   inserted, screwed  Follution Degree 3  Ratid surge voltage 2, 2,5 kV  Malerial group   Electrical  Additional condition protection degree   inserted, screwed  Follution Degree 3  Ratid surge voltage 2, 2,5 kV  Malerial group   Electrical  Additional condition protection degree   inserted, screwed  Follution Degree 3  Ratid surge voltage 2, 2,5 kV  Malerial group   Electrical   Malerial data  Coating to kinding   Mickeled  Coating to kinding   Nickeled  Coating to kinding   Nickeled  Coating to kinding   Nickeled   Coating to kinding   Nickeled   Coating to kinding   Nickeled   Coating to kinding   Nickeled   Coating to kinding   Nickeled   Ni		
Current operating per contact max.  Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3 3  Rated surge voltage 2,5 kV  Material group (IEC 600641)   I  Mechanical data   Material data  Coating locking nickel plated  Coating of fitting incident of the casting inserted, screwed, shaking protection  Material screw connection Zinc dis-casting  Mechanical data   Mounting data  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Coserve the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conforming data  Coating data   Mounting		
Installation   Connection         Mill x x 1           Device protection   Electrical         Mill x x 1           Additional condition protection degree         inserted, screwed           Pollusion Degree         3           Rated surge voltage         2.5 k W           Machanical data   Material data         Nickeled           Coating locking         Nickeled           Coating locking         Nickeled           Coating locking         Nickeled           Coating locking         Air deep acasting           Material screw connection         Zinc discasting           Environmental characteristics   Climatic         Climatic           Operating temperature main.         25 °C           Operating temperature main.         28 °C           Additional condition temperature maye         depending on cable quality           Important Installation notes         Attention. Clisses with protection of the		
Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         2.5 kV           Macharical group (IEC 60664+1)         I           Mechanical datal Material data         Miscreal           Coating politing         Nickeled           Coating politing         mickel plated           Coating gold filting         Incide casting           Material screw connection         Zinc die-casting           Machanical data   Mounting data         Miscreal screw connection           Muchanical data   Mounting data         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Command particular protection of the protecti	Current operating per contact max.	4 A
Device protection   Electrical         Inserted, screwed           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (EC 60684-1)         1           Mechanical data   Material data           Coating Ooffing         Nickeled           Coating Ooffing         Nickeled           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climater           Coperating temperature min.           25 °C         Coperating temperature rams.         25 °C           Additional condition temperature rang.         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fies.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fies.           Note on bending radius         Attention: Observe the permissible bending radiu when laying cables, as the IP protection class can be endangered by excessive bending forces.           Cobic         Cable           Cable (activities and c	Installation   Connection	
Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 2,5 kV  Material group (IEC 60084-1) I  Mechanical data   Material data  Coating looking Nickele   Coating looking Nickele   Coating looking Nickele   Coating looking Nickele   Coating data   Material data   Coating looking Nickele   Coating data   Material data   Coating data   Material data   Coating data   Mounting data  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mechanical data   Mounting data  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Coperating temperature max. 25 °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 endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable  Cable identification 623  Cable Type 2 (PURIPVC)  Approval (cable) UL (ANM-Style 20549/1731), CSA; CE conform  Cable weight (gm) 35.97 g  Material wine Resistor (core) 3x 0.34 mm² (MIC)  Construction (core) 42 - 0.1 mm (multi-strand wire class 6)  Diameter (core) 3x 0.34 mm² (MIC)  Charlier is obtained (core) 3x 0.34 mm² (MIC)  Shore hardness wire isolation 43 55 D  Wire-O int. isolation C. 125 mm 15%  Colorinumbering of wires  Stranding combination 3 avies twisted	Mounting set	M12 x 1
Follution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60584-1)         1           Mechanical data   Material data         Incikel plated           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data           Mourling 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 banding radius           Note on banding radius         Attentions: Observe the permissible bending radi when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Conformity           Cable Type         2 (PURIPVC)           Approval (cable)         U. (AVM-Style 20549/1731), CSA: CE conform           Cable weight (gm]         35.97 g           Material wive         Cu wive, barre           Resistor (core)         32.7 (Akm (20 °C)           Single wire Ø (core)	Device protection   Electrical	
Ratiod surge voltage 2,5 kV  Material proup (IEC 60664-1) I  Mechanical data   Material data  Coating of fitting nickel plated  Locking material  Coating of fitting nickel plated  Locking material  Methanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Adenticial condition temperature man.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as the IP protection class can be endangered by excessive bending fradii when laying cables, as	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking Nickeled Coating of Stitting nickel plated Locking material Mounting data  Mounting demb  Mechanical data   Mounting data  Mounting method  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.  Afterition: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard  DIN EN 61076-2-101 (M12)  Cable  Cable  Cable  Cable destification  623  Cable identification  623  Cable identification  623  Cable weight (g/m)  35.97 g  Material wire  Cu wire, bare  Resistor (core)  max. 57 Ω/km (20 °C)  Single wire Ø (core)  0.1 mm  Construction (core)  42.0 mm (multi-strand wire class 6)  Diameter (core)  3x 0.34 mm²  AWG  similar to AWG 22  Material wire isolation  PVC  Material wire isolation  CFC-, cadmium-, silicone- and lead-free  Shore hardness wire isolation  3 wires twisted  Stranding combination  3 wires twisted	Pollution Degree	3
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 Correlating 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. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity Product standard DIN EN 81076-2-101 (M12) Cable Cable indentification 623 Cable type 2 (PUR/PVC) Approval (cable) UL (AWM-Style 20549/1731), CSA: CE conform Cable weight [g/m] 35,97 g Material wire Core) max. 57 Ω/km (20 °C) Single wire Ø (core) 0.1 mm Construction (core) 3x 0.34 mm² AWG similar to AWG 22 Material wire isolation PVC Material wire isolation PVC Material wire isolation PVC Material wire isolation PVC Material wire isolation 43 ± 5 D Wire-Ø incl. isolation 1.25 mm ±5% Color/mumbering of wires back similar to RAL 9005 Stranding combination 3 wires twield	Rated surge voltage	2,5 kV
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 min25 °C Operating temperature min25 °C Operating temperature man85 °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 endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable Cable Cable identification 623 Cable identification 623 Cable identification 623 Cable wight [g/m] 55,9° g Material wire Cu wire, bare Resistor (core) max. 57 Okm (20 °C) Single wire Ø (core) 0.1 mm Construction (core) 42x. 0.1 mm (multi-strand wire class 6) Diameter (core) 3. 0.34 mm² AWG similar to AWG 22 Material property wire insulation PVC Material property wire insulation PVC Material property wire insulation 43 ± 5 D Wire-Ø incl. isolation 1.25 mm ±5% Colorinumbering of wires back smilar to PAL, 9005 Stranding combination 3 wires twisted	Material group (IEC 60664-1)	
Coating of fitting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting Methanical 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 lies. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Contomity  Product standard DIN EN 61076-2-101 (M12)  Cable Cable identification 623 Cable identification 623 Cable identification 623 Cable interference of the connector of the connect	Mechanical data   Material data	
Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Cilimatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on starin relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable  Cable identification 623  Cable Type 2 (PUR/PVC)  Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform  Cablo weight [g/m] 35,97 g  Material wire Core) 1. mm  Construction (core) 42 × 0.1 mm (multi-strand wire class 6)  Diameter (core) 3 × 0.34 mm²  AWG similar to AWG 22  Material property wire insulation PVC  Material property wire insulation CFC-, cadmium-, silicone- and lead-free  Shore hardness wire isolation 1.25 m ± 5%  Colorinumbering of wires black similar to RAL 9005  Stranding combination 3 viers twisted	Coating locking	Nickeled
Meterial screw connection Zinc die-casting  Mechanical data   Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25°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 ites.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable  Cable identification 623  Cable type 2 (PUR/PVC) Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform  Cable weight [g/m] 35,97 g  Material wire Cure Core) 0.1 mm (multi-strand wire class 6)  Single wire Ø (core) 0.1 mm (multi-strand wire class 6)  Diameter (core) 3× 0.34 mm²  AVIC Material wire isolation 43 ±5 D  Material wire isolation 43 ±5 D  CFC, cadmium-, silicone- and lead-free  Shore hardness wire isolation 43 ±5 D  Mire-Ø incl. isolation 1.25 mm ±5%  Color/imulphering of wires black similar to RAL 9005  Stranding combination 3 wires twisted	Coating of fitting	nickel plated
Mechanical data   Mounting method inserted, screwed, Shaking protection  Finitronmental characteristics   Climatic  Operating temperature min25 °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.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable  Cable dientification 623  Cable Type 2 (PUR/PVC)  Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform  Cable weight [g/m] 35.97 g  Material wire Core) max. 57 Q/km (20 °C)  Single wire Ø (core) 0.1 mm  Construction (core) 42× 0.1 mm (multi-strand wire class 6)  Diameter (core) 3. 0.34 mm²  AWG similar to AWG 22  Material wire isolation PVC  Material property wire insulation CFC-, cadmium-, silicone- and lead-free  Shore hardness wire isolation 1.25 mm ±5%  Color/mumbering of wires black similar to RAL 9005  Stranding combination 3 wires twisted	Locking material	Zinc die-casting
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °G  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 endangered by excessive bending frores.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable  Cable identification 623  Cable Type 2 (PUR/PVC)  Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform  Cable weight [g/m] 35,97 g  Material wire Cu wire, bare  Resistor (core) max. 57 Ω/km (20 °C)  Single wire Ø (core) 0.1 mm  Construction (core) 42 × 0.1 mm (multi-strand wire class 6)  Diameter (core) 3 × 0.34 mm²  AVG similar to AWG 22  Material wire insulation PVC  Material property wire insulation CFC-, cadmium-, silicone- and lead-free  Shore hardness wire isolation 1.25 mm ±5%  Color/numbering of wires black similar to RAL 9005  Stranding combination 3 wires twiested	Material screw connection	Zinc die-casting
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.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Cable         Cable identification         623           Cable identification         623           Cable identification         623           Cable weight [g/m]         35.97 g           Material wire         Cu wire, bare           Resistor (core)         max. 57 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42× 0.1 mm (multi-strand wire class 6)           Diameter (core)         3x 0.34 mm²           AWG         similar to AWG 22           Material wire isolation         PVC           Material property wire insulation         CFC-, cadmium-, silicone- and lead-free           Shore hardnes	Mechanical data   Mounting data	
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.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable  Cable identification 623  Cable Type 2 (PUR/PVC)  Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform  Cable weight [g/m] 35,97 g  Material wire Cu wire, bare  Resistor (core) max. 57 (Ω/km (20 °C)  Single wire Ø (core) 0.1 mm  Construction (core) 42 × 0.1 mm (multi-strand wire class 6)  Diameter (core) 3 × 0.34 mm²  AWG similar to AWG 22  Material wire isolation PVC  Material wire isolation PVC  Material wire isolation PVC  Material wire isolation 43 ± 5 D  Wire-Ø incl. isolation 1.25 mm ±5%  Color/numbering of wires black similar to RAL 9005  Stranding combination 3 wires twisted	Mounting method	inserted, screwed, Shaking protection
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.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable  Cable identification 623  Cable Type 2 (PUR/PVC)  Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform  Cable weight [g/m] 35,97 g  Material wire Cu wire, bare  Resistor (core) max. 57 (Ω/km (20 °C)  Single wire Ø (core) 0.1 mm  Construction (core) 42 × 0.1 mm (multi-strand wire class 6)  Diameter (core) 3 × 0.34 mm²  AWG similar to AWG 22  Material wire isolation PVC  Material wire isolation PVC  Material wire isolation PVC  Material wire isolation 43 ± 5 D  Wire-Ø incl. isolation 1.25 mm ±5%  Color/numbering of wires black similar to RAL 9005  Stranding combination 3 wires twisted	Environmental characteristics   Climatic	
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.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Cable         Cable identification         623           Cable type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         35.97 g           Material wire         Cu wire, bare           Resistor (core)         max. 57 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42× 0.1 mm (multi-strand wire class 6)           Diameter (core)         3 × 0.34 mm²           AWG         similar to AWG 22           Material wire isolation         CFC, cadmium-, silicone- and lead-free           Shore hardness wire isolation         43 ± 5 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         black similar to RAL 9005	·	-25 °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 endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Cable dentification 623  Cable identification 623  Cable Type 2 (PUR/PVC)  Approval (cable) UL (AWM-Style 20549/1731), CSA; CE conform  Cable weight [g/m] 35,97 g  Material wire Cu wire, bare  Resistor (core) max. 57 Ω/km (20 °C)  Single wire Ø (core) 0.1 mm  Construction (core) 42 × 0.1 mm (multi-strand wire class 6)  Diameter (core) 3 × 0.34 mm²  AWG similar to AWG 22  Material wire isolation PVC  Material wire isolation PVC  Material wire isolation 43 ± 5 D  Wire-Ø incl. isolation 1.25 mm ±5%  Color/numbering of wires black similar to RAL 9005  Stranding combination 3 wires twisted		
Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Cable         Cable identification         623           Cable Type         2 (PUR/PVC)           Approval (cable)         UL (AWM-Style 20549/1731), CSA; CE conform           Cable weight [g/m]         35,97 g           Material wire         Cu wire, bare           Resistor (core)         max. 57 Ω/km (20 °C)           Single wire Ø (core)         0.1 mm           Construction (core)         42 × 0.1 mm (multi-strand wire class 6)           Diameter (core)         3 × 0.34 mm²           AWG         similar to AWG 22           Material property wire insulation         PVC           Material property wire insulation         PVC, cadmium-, silicone- and lead-free           Shore hardness wire isolation         43 ± 5 D           Wire-Ø incl. isolation         1.25 mm ±5%           Color/numbering of wires         black similar to RAL 9005           Stranding combination         3 wires		
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Wire-Ø incl. isolation 1.25 mm ±5%  Color/numbering of wires black similar to RAL 9005  Stranding combination 3 wires twisted	Material property wire insulation	CFC-, cadmium-, silicone- and lead-free
Color/numbering of wires black similar to RAL 9005 Stranding combination 3 wires twisted	Shore hardness wire isolation	43 ±5 D
Stranding combination 3 wires twisted	Wire-Ø incl. isolation	1.25 mm ±5%
	Color/numbering of wires	black similar to RAL 9005
Shield no	Stranding combination	3 wires twisted
	Shield	no

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: 2024-06-26



Material jacket	PUR/PVC
Material property (jacket)	CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant
Shore hardness jacket	80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)
Outer-Ø (jacket)	4.3 mm ±5%
Color jacket	black
chemical resistance	good resistance to oil, gasoline and chemicals
Nominal voltage	UL 300 V AC
Test voltage	2000 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-30+80 °C
Temperature range (mobile)	-5+80 °C
Bending radius (fixed)	10× outer Ø
Bending radius (dynamic)	15× outer Ø
No. of bending cycles (C-track)	max. 2 Mio. (25 °C)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 5 m/s <sup>2</sup>