

## M12 female 0° A-cod. with cable

PUR 3x0.75 gy UL/CSA+drag ch. 25m

Female straight

M12, 3-pole

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

with cable sleeves

Plastic housings with good resistance against chemicals and oils.

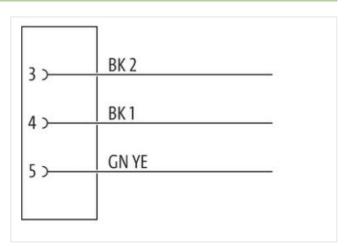
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

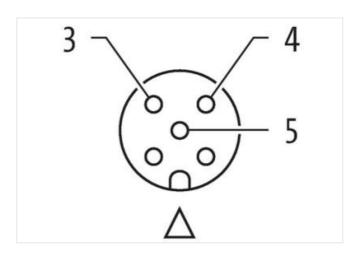
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

25 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: 2024-05-19



stay connected

Family construction form	Mounting method	inserted, screwed
Treed	Family construction form	
Cading         A           Metalial         PUR           Width across Tables         SW13           Dogree of protection (EN IEC 60529)         1958, IP56R, IP67           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         2766811           ECLASS-9.1         27068311           ECLASS-10.1         27068311           ECLASS-11.1         27068311           ECLASS-12.0         27068311           ECLASS-10.1         27068311           ECLASS-10.1         27068311           ECLASS-10.1         27068311           ECLASS-10.2         27068311           ECLASS-10.1         27068311           ECLASS-10.1         27068311           ECLASS-10.1         27068311           ECLASS-10.0         27068311           ECLASS-10.1         27068311           ECLASS-10.2         27068311           ECLASS-10.2         27068311           ECLASS-10.1         270796311           ECLASS-10.2         27068311           ECLASS-10.2<		M12 x 1
Cading         A           Metalial         PUR           Width across Tables         SW13           Dogree of protection (EN IEC 60529)         1958, IP56R, IP67           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         2766811           ECLASS-9.1         27068311           ECLASS-10.1         27068311           ECLASS-11.1         27068311           ECLASS-12.0         27068311           ECLASS-10.1         27068311           ECLASS-10.1         27068311           ECLASS-10.1         27068311           ECLASS-10.2         27068311           ECLASS-10.1         27068311           ECLASS-10.1         27068311           ECLASS-10.1         27068311           ECLASS-10.0         27068311           ECLASS-10.1         27068311           ECLASS-10.2         27068311           ECLASS-10.2         27068311           ECLASS-10.1         270796311           ECLASS-10.2         27068311           ECLASS-10.2<	suitable for corrugated tube (internal Ø)	10 mm
With across flats         SW13           Degree of protection (ENIEC 60529)         PB5, IP68K, IP67           Commercial date         PECLASS-6.0         27279218           ECLASS-6.1         27279218         PECLASS-7.0         27279218           ECLASS-8.0         27270218         PECLASS-8.0         27270218           ECLASS-9.0         27270211         PECLASS-9.0         27270211           ECLASS-1.1         27060311         PECLASS-1.1         PECLASS-1.2	Coding	A
Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial date           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-9.1.1         27060311           ECLASS-9.0.1         27060311           ECLASS-10.1         25 V           Operating voltage OC		PUR
Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.1         27060311           ECLASS-10.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         ECO01855           COLTIN         4048879559171           Packagin unit         1           Electrical data I Supply           Operating voltage AC max.         125 V           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage pC (UL-listed)         30 V           Pollution Degree         M12 x 1           Bester protection   Electrical         V           Pollution Degree         2,5 kV           Material group (IEC 60664-1)         1           Mochanical data   Michael data         Vickeled           Coating toking material         Nickeled           Coating toking material         Incel casting	Width across flats	SW13
Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.1         27060311           ECLASS-10.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         ECO01855           COLTIN         4048879559171           Packagin unit         1           Electrical data I Supply           Operating voltage AC max.         125 V           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage pC (UL-listed)         30 V           Pollution Degree         M12 x 1           Bester protection   Electrical         V           Pollution Degree         2,5 kV           Material group (IEC 60664-1)         1           Mochanical data   Michael data         Vickeled           Coating toking material         Nickeled           Coating toking material         Incel casting	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
ECLASS-0.1         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.3         27060311           ECLASS-12.0         27060311           ETIM-5.0         ECO019855           Louisons tarff number         3644290           GTIN         4048879659171           Packaging unit         1           Eeterical data Suppty           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V           Route (Incompose to the protection   Electrical Protection		
ECLASS-0.1         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.3         27060311           ECLASS-12.0         27060311           ETIM-5.0         ECO019855           Louisons tarff number         3644290           GTIN         4048879659171           Packaging unit         1           Eeterical data Suppty           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V           Route (Incompose to the protection   Electrical Protection	ECLASS-6.0	27279218
ECLASS 8.0         27278218           ECLASS 9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-10.0         ECONIBES           customs tarilf number         85444290           GTIN         4048879559171           Peckaging unit         1           Electrical data   Supply           Operating voltage AC max.         125 V           Operating voltage DC max.         125 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Mounting set         M12 x 1           Device protection   Electrical         M12 x 1           Pollution   Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 80684-1)         1           Mechanical data   Material data         1           Coating of fitting         nickel plated           Locking material         Zinc dio casting           Material screw connection         Zinc dio casting           Mechanical data   Mounting data         Mechanical data   Mounting data		27279218
ECLASS 8.0         27278218           ECLASS 9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-10.0         ECONIBES           customs tarilf number         85444290           GTIN         4048879559171           Peckaging unit         1           Electrical data   Supply           Operating voltage AC max.         125 V           Operating voltage DC max.         125 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Mounting set         M12 x 1           Device protection   Electrical         M12 x 1           Pollution   Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 80684-1)         1           Mechanical data   Material data         1           Coating of fitting         nickel plated           Locking material         Zinc dio casting           Material screw connection         Zinc dio casting           Mechanical data   Mounting data         Mechanical data   Mounting data		
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         4048879559171           Packaging unit         1           Electrical data   Supply         V           Operating vollage AC max.         125 V           Operating vollage AC max.         125 V           Operating vollage AC (UL-listed)         30 V           Operating vollage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         M12 X 1           Mounting set         M12 X 1           Device protection   Electrical         1           Pollution Degree         3           Rated surge voltage         2.5 kV           Material group (EC 60664-1)         1           Mechanical data   Material data         Caciang locking           Coating locking         Nickeled           Coating locking material         Zinc dio-casting           Material screw connection         Zinc dio-casting           Mechanical data   Munting dat         Inserted		
ECLASS-10.1         27060311           ECLASS-11.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879559171           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         125 V           Operating voltage BC max.         125 V           Operating voltage AC (UL-listed)         30 V           Pollution Degree         3           Bated surge voltage         2,5 kV           Material group (IEC 60664-1)         1           Mechanical data [Material data         Vickeled           Coating of Kiting         Nickeled           Coating of Kiting         Nickel plated           Locking material         Zinc		
ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         EC001855           customs tariff number         85444290           GTIN         4048879559171           Packaging unit         1           Electrical data [Supply         Fleetrical data [Supply           Operating voltage AC max.         125 V           Operating voltage DC max.         125 V           Operating voltage DC (UL-listed)         30 V           Operating voltage PC (UL-listed)         30 V           Operating per contact max.         4 A           Installation [Connection         Mult x 1           Mounting set         M12 x 1           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60664-1)         1           Mechanical data [Material data         Vickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Mechanical data [Mounting data         Word casting           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature min.         -25 °C           Operating temperature min.		
ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879559171           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         125 V           Operating voltage DC max.         125 V           Operating voltage DC (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           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60684-1)         1           Mechanical data   Material data           Coating of fitting         nickel plated           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Mechanical data   Mounting data           Mechanical data   Mounting data           Mounting da	ECLASS-11.1	
ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879559171           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC inax.         4 A           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         M12 x 1           Mounting set         M12 x 1           Pollution Degree         3           Rated surge voltage         2.5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         V           Coating locking         Nickeled           Coating locking material         Nickeled           Coating material         Zinc die-casting           Material serve connection         Zinc die-casting           Mechanical data   Mounting data         siserted, screwed, Shaking protection           Environmental characteristics   Climatic         c5 °C           Operating temperature min.         -25 °C           Operating temperature min.         -25 °C	ECLASS-12.0	
customs tariff number         85444290           GTIN         4048879559171           Packaging unit         1           Electrical data   Supply         Use of parating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 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         V           Pollution Degree         3         Read surge voltage           Bated surge voltage         2,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Nickeled           Coating of lifting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         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		
GTIN 4048879559171 Packaging unit 1 Electrical data   Supply  Operating voltage AC max. 125 V  Operating voltage AC (UL-listed) 30 V  Operating voltage DC (UL-listed) 4 A  Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Pollution Degree 3  Rated surge voltage 2,5 kV  Material group (ICC 60664-1) 1  Mechanical data   Material date  Coating locking Nickeled  Coating locking Nickeled  Coating locking nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting date  Departing temperature mix. 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 endangered by excessive bending forces.	customs tariff number	
Packaging unit 125 V  Operating voltage AC max. 125 V  Operating voltage AC max. 125 V  Operating voltage AC (UL-listed) 30 V  Operating voltage AC (UL-listed) 30 V  Operating voltage AC (UL-listed) 30 V  Current operating per contact max. 4 A  Installation   Connection  Mounting set M12 x 1  Pollution Degree 3  Rated surge voltage AB (20 L-listed) 10 L-listed) 10 L-listed M12 x 1  Rated surge voltage AB (20 L-listed) 10 L-listed M12 x 1  Rated surge voltage AB (20 L-listed) 10 L-listed M12 x 1  Rated surge voltage 3  Rated surge voltage 3  Rated surge voltage 10 L-listed M24 L-listed M34 L-liste		
Electrical data   Supply           Operating voltage AC max.         125 V           Operating voltage DC max.         125 V           Operating voltage AC (LL-listed)         30 V           Operating voltage DC (LL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         M12 x 1           Device protection   Electrical           Politation Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data           Coating locking         Nickeled           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mechanical data   Mounting data         sincerted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature may.         depending on cable quality           Important installation notes		
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Operating voltage DC max. 125 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Current operating per contact max. 4 A Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Pollution Degree 3 Rated surge voltage 2,5 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 serve connection Zinc die-casting Materials at   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature max. 85 °C Additional condition notes  Note on strain relief Protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.		125 V
Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Mul2 x 1           Device protection   Electrical         Pollution Degree           Rated surge voltage         2,5 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data         Vickled           Coating locking         Nickled plated           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material serve connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes           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.		
Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data           Coating locking         Nickeled           Coating locking         nickel plated           Locking material         Zinc die-casting           Methanical data   Mounting data         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 bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.		
Current operating per contact max. 4 A  Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Pollution Degree 3  Rated surge voltage 2,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material cornection   Zinc die-casting  Mechanical data   Mounting data  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Important installation notes  Note on bending radius Protection class can be endangered by excessive bending forces.		
Mounting set M12 x 1  Pellution Degree 3 Rated surge voltage 2,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating locking Nickeled  Coating of fitting nickel plated Locking material Locking material Surce disc-casting  Material screw connection Zinc disc-casting  Material screw connection Zinc disc-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Important installation notes  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.		
Mounting set M12 x 1  Pollution Degree 3 Rated surge voltage 2,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled Coating of fitting nickel plated Locking material Screw connection Zinc die-casting  Mechanical data   Mounting data  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 endangered by excessive bending forces.		70
Pollution Degree 3 Rated surge voltage 2,5 kV  Material group (IEC 60664-1) 1  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material  Locking material Zinc die-casting  Methanical data   Mounting data  Mechanical data   Mounting 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 ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.		M12 x 1
Rated surge voltage 2,5 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 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.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Device protection   Electrical	
Rated surge voltage 2,5 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 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.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Pollution Degree	3
Material group (IEC 60664-1)  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 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.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.		
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 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.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.		
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 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 endangered by excessive bending forces.		
Material screw connection   Zinc die-casting	•	Nickeled
Material screw connection  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 endangered by excessive bending forces.	Coating of fitting	nickel plated
Material screw connection  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 endangered by excessive bending forces.	Locking material	·
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 ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.		<del>-</del>
Environmental characteristics   Climatic  Operating temperature min.  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.	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.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.  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.	Environmental characteristics   Climatic	
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.	Operating temperature min.	-25 °C
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.	Operating temperature max.	85 °C
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.	Additional condition temperature range	depending on cable quality
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.	Important installation notes	
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.		Protect the connectors by suitable measures from mechanical loads, e.a. by the usage of cable ties.
endangered by excessive bending forces.		Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
CONTORMITY		endangered by excessive bending forces.
	Conformity	
Product standard DIN EN 61076-2-101 (M12)	Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	Installation   Cable	



## stay connected

Cable identification	236
Cable Type	3
Printing color of wire insulation	white (isolation black)
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	black 1, black 2, green-yellow
Cable weigth	56,1 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	5,9 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	3
Outer diameter insulation	1,85 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Printing color of wire insulation	white (isolation black)
Amount strands (wire)	42
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,75 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	12 A
Electrical resistance line constant wire	26 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 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	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min