

## M12 female 90° A-cod. with cable LED

PUR 4x0.34 gy UL/CSA+robot+drag ch. 15m

Female 90° Zinc die casting, save-cover coated M12, 4-pole 3× LED (PNP)

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

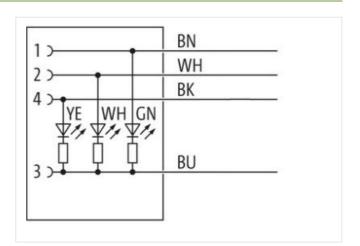
Plastic housings with good resistance against chemicals and oils.

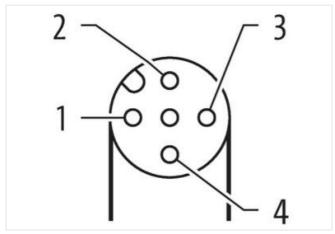
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

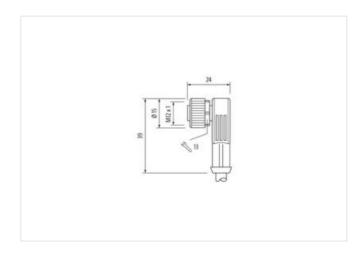
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

15 m

Side 1



stay connected

Family construction form         M12           Thread         M12 x 1           unitable for consultate         M12 x 1           Coding         A           Material         PUR           Width across fluts         SW13           Degree of protection (ENIEC 60529)         DESE, IP66K, IP67           Commercial date         Commercial date           ECLASS-6.0         2779218           ECLASS-7.0         2779218           ECLASS-9.0         2779218           ECLASS-9.0         2779218           ECLASS-9.0         2779218           ECLASS-9.0         2779218           ECLASS-9.1         27063311           ECLASS-9.1         27063311           ECLASS-10.1         27063311           ECLASS-10.1         27063311           ECLASS-10.1         27063311           ECLASS-10.1         27063311           ECLASS-10.1         27063311           ECLASS-10.1         27063311           ECLASS-10.2         27063311           ECLASS-10.3         27063311           ECLASS-10.4         27063311           ECLASS-10.5         27063311           ECLASS-10.2         27060311 <th< th=""><th>Tightening torque</th><th>0,6 Nm</th></th<>	Tightening torque	0,6 Nm	
Family construction form M12 mines of the mi	Mounting method	inserted, screwed	
Suitable for corrugated tube (internal O)         10 mm           Coding         A           Width across flas         SW13           Degree of protection (ENEC 60529)         1P65, IP66K, IP67           Commercial data           ECLASS 6.0         2773918           ECLASS 7.0         2727918           ECLASS 7.0         2727918           ECLASS 9.0         27768311           ECLASS 9.0         27068311           ECLASS 9.0         27068311           ECLASS 9.0         27068311           ECLASS 9.0         27068311           ECLASS 10.1         27068311           ECLASS 10.2         27068311           ECLASS 10.3         27068311           ECLASS 10.4         27068311           ECLASS 10.7         27068311           ECLASS 10.8         27068311           ECLASS 10.1         27068311           ECLASS 10.1         27068311           ECLASS 10.1         27068311           ECLASS 10.2         27068311           ECLASS 10.3         27068311           ECLASS 10.4         27068311           ECLASS 10.2         27068311           ECLASS 10.2         27068311 <t< td=""><td>Family construction form</td><td>M12</td></t<>	Family construction form	M12	
Coding         A           Matterial         PUR           Winth across flats         SW13           Degree of protection (EN IEC 80529)         IPSE, IPSEK, IPST           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         2729218           ECLASS-8.0         27000311           ECLASS-9.0         2700311           ECLASS-1.1         2706311           ECLASS-1.2.1         2706311           ECLASS-1.2.0         2766311           ETIM-5.0         EC01855           Customs saff number         8544230           GTIN         404879202817           Packaging unit         1           Electrical data   Supply           Operating voltage DC         24 V           Operating voltage DC max.         30 V           Operating voltage DC max.         4A           Diagnostics         30 V           Operating voltage DC max.         4A           Diagnostics         30 V           Operating voltage processes         green, white, yellow           Installation   Connection   Electrical         Additional condition protection degree           Installati	Thread	M12 x 1	
Meterial         PUR           With a more strains         SW13           Degree of protection (EN EC 60529)         PP65, IP6K, IP67           Commercial data         PECLASS 6.0         27279218           ECLASS 6.1         27279218         PECLASS 7.0         PECRASS 7.0           ECLASS 7.0         27279218         PECLASS 9.0         PECRASS 9.0         PEC	suitable for corrugated tube (internal Ø)	10 mm	
Meterial         PUR           With a more strains         SW13           Degree of protection (EN EC 60529)         PP65, IP6K, IP67           Commercial data         PECLASS 6.0         27279218           ECLASS 6.1         27279218         PECLASS 7.0         PECRASS 7.0           ECLASS 7.0         27279218         PECLASS 9.0         PECRASS 9.0         PEC	Coding	A	
Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data           ECLASS-6.1         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-9.0         2720218           ECLASS-9.0         27060311           ECLASS-9.1.1         27060311           ECLASS-1.1.1         27060311           ECLASS-1.2.0         27060311           ECLASS-1.3.0         27060311           ECLASS-1.1         27060311           ECLASS-1.2         24 V           Operating voltage DC         24 V           Operating voltage DC max.	Material	PUR	
Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27769311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27070311           Packaging unit         1           Betrical data Suppty <td< td=""><td>Width across flats</td><td>SW13</td></td<>	Width across flats	SW13	
Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27769311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27070311           Packaging unit         1           Betrical data Suppty <td< td=""><td>Degree of protection (EN IEC 60529)</td><td>IP65, IP66K, IP67</td></td<>	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67	
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ECLASS-7.0 27279218  ECLASS-8.0 27279218  ECLASS-9.0 27060311  ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ECLASS-12.0 27060311  ETIM-5.0 ECO1855  customs tariff number B5444290  GTIN 404879202817  Packaging unit 1  Electrical data   Supply  Operating voltage DC 24 V  Operating voltage DC min. 18 V  Operating voltage DC min. 18 V  Operating voltage DC min. 30 V  Current operating per contact max. 4 A  Diagnostics  Status indication LED green, white, yellow  Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1 is  Mechanical data   Material data  Link Bernard   Link Bernard   Link Bernard    Mechanical data   Munting data  Meuring memperature min. 25 °C  Operating temperature max. 8 5 °C	ECLASS-6.0	27279218	
ECLASS 8.0         27279218           ECLASS 9.0         27669311           ECLASS 9.0         27669311           ECLASS 9.0         27069311           ECLASS 11.1         27069311           ECLASS 12.0         27069311           ETIM-5.0         EC01855           customs tariff number         85444290           GTIN         4048879202817           Packaging unit         1           Electrical data   Supply           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC max. (UL-listed)         30 V           Installation   Connection         Mult x 1           Mounting set         Mult x 1           Powice protection   Electrical         V           Additional condition protection degree         Installation   Connection           Mounting set         Max Y           Additional condition protection degree         Install a Multing   Connection   Connection   Connection   Connection   Connection	ECLASS-6.1	27279218	
ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048879202817           Packaging unit         1           Electrical data   Supply         Voperating voltage DC           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Diagnosits         Status indication LED           Status indication   Connection         M12 x 1           Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         3           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (EC 60064+1)         I           Mechanical data   Material data         Zinc die-casting           Material serve connection         Zinc die-casting           Material serve connection         Zinc die-casting	ECLASS-7.0	27279218	
ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048879202817           Packaging unit         1           Electrical data   Supply         Voperating voltage DC           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Diagnosits         Status indication LED           Status indication   Connection         M12 x 1           Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         3           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (EC 60064+1)         I           Mechanical data   Material data         Zinc die-casting           Material serve connection         Zinc die-casting           Material serve connection         Zinc die-casting			
ECLASS-10.1         27060311           ECLASS-11.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff rumber         85444290           GTIN         4048873202817           Packaging unit         1           Electrical data   Supply			
ECLASS-1.1.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         ECO01855           customs tariff number         85444290           GTIN         4048579202817           Packaging unit         1           Electrical data   Supply           Operating voltage DC         24 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating voltage DC max.         4 A           Diagnostics           Status indication LED         green, while, yellow           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         3           Rated surge voltage         0,8 kV           Malerial group (IEC 60664-1)         1           Mechanical data   Material data	ECLASS-10.1	27060311	
ECIASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879202817           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating voltage DC max.         4 A           Diagnostics           Status indication LED         green, white, yellow           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Volume of the protection   Electrical data   Material data           Coating locking         safe-cover coated           Coating of litting         nickel plated           Locking material         Zinc die-casting           Meterial screw connection         Zinc die-casting <td c<="" td=""><td>ECLASS-11.1</td><td></td></td>	<td>ECLASS-11.1</td> <td></td>	ECLASS-11.1	
ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879202817           Packaging unit         1           Electrical data   Supply           Operating voltage DC         24 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Operating voltage DC max. (UL-listed)         30 V           Current operating per contact max.         4 A           Diagnostics           Status indication LED         green, white, yellow           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 66664-1)         1           Mechanical data   Material data         Value of cover coated           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, sc	ECLASS-12.0		
customs tariff number         85444290           GTIN         4048879202817           Packaging unit         1           Electrical data   Supply           Operating voltage DC         24 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Diagnostics           Status indication LED         green, white, yellow           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0.8 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data         V           Coating locking         safe-cover coated           Coating af fitting         nickel plated           Locking material         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Z5 °C           Operating temperature min.         -25 °C	ETIM-5.0		
GTIN         4048879202817           Packaging unit         1           Electrical data   Supply           Operating voltage DC         24 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating voltage DC max. (UL-isted)         30 V           Current operating per contact max.         4 A           Diagnostics         V           Status indication LED         green, white, yellow           Installation   Connection         Mounting set           Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data         I           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         Cperating temperature min.         -25 °C           Operating temperature min.         -25 °C			
Packaging unit         1           Electrical data   Supply           Operating voltage DC         24 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Operating voltage DC max. (UL-listed)         30 V           Operating voltage DC max. (UL-listed)         30 V           Outcurent operating per contact max.         4 A           Diagnostics         Very Common to perating per contact max.           Status indication LED         green, white, yellow           Installation   Connection         M12 x 1           Device protection   Electrical         M12 x 1           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0.8 kV           Material group (UEC 60664-1)         1           Mechanical data   Material data         Very Coating locking           Coating locking         safe-cover coated           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Metanical data   Mounting data         Zinc die-casting           Metanical data   Mounting data         Sic C	GTIN		
Electrical data   Supply           Operating voltage DC min.         24 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Operating voltage DC max.         4 A           Current operating per contact max.         4 A           Diagnostics           Status indication LED         green, white, yellow           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data         I           Coating locking         sife-cover coated           Coating locking         nickel plated           Locking material         Zinc die-casting           Meterial screw connection         Zinc die-casting           Meterial gerew connection         Zinc die-casting			
Operating voltage DC         24 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Operating voltage DC max. (UL-listed)         30 V           Current operating per contact max.         4 A           Diagnostics           Status indication LED         green, white, yellow           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         3           Rated surge voltage         3 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data           Coating locking         safe-cover coated           Coating locking         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           Mechanical characteristics   Climatic           Coperating temperature min.         -25 °C           Operating temperature min.         -25 °C <t< td=""><td></td><td></td></t<>			
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Operating voltage DC max.         30 V           Operating voltage DC max. (UL-listed)         30 V           Current operating per contact max.         4 A           Diagnostics           Status indication LED         green, white, yellow           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data         Coating looking           Coating looking         safe-cover coated           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			
Operating voltage DC max. (UL-listed)         30 V           Current operating per contact max.         4 A           Diagnostics           Status indication LED           Installation   Connection           Muniting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data           Coating locking         safe-cover coated           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			
Current operating per contact max. 4 A  Diagnostics  Status indication LED green, white, yellow  Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking initing inickel 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  Deparating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Installation in CED (State of Control of Carbon (Control			
Diagnostics       Status indication LED     green, white, yellow       Installation   Connection       Mounting set     M12 x 1       Device protection   Electrical       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     0.8 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data       Coating locking     safe-cover coated       Coating of fitting     inckel plated       Locking material     Zinc die-casting       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			
Status indication LED green, white, yellow  Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking safe-cover coated  Coating of fitting nickel plated  Locking material Size wonnection 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  Inserted, screwed, Shaking protection experiments depending on cable quality			
Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking safe-cover coated  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  Coperating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Inserted, screwed, Shaking protection  Emportant installation notes		green, white, yellow	
Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking safe-cover coated  Coating of fitting nickel plated Locking naterial Screw connection 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	Installation   Connection		
Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 0,8 kV  Material group (IEC 60664-1) 1  Mechanical data   Material data  Coating locking safe-cover coated  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	Mounting set	M12 x 1	
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Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking safe-cover coated  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	<u> </u>		
Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking safe-cover coated  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			
Mechanical data   Material data  Coating locking safe-cover coated  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			
Coating locking safe-cover coated  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			
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	·	safe-cover coated	
Locking material  Material screw connection  Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.  85 °C  Additional condition temperature range depending on cable quality  Important installation notes	Coating of fitting	nickel plated	
Material screw connection  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	Locking material	· · · · · · · · · · · · · · · · · · ·	
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	Material screw connection	Zinc die-casting	
Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.  85 °C  Additional condition temperature range depending on cable quality  Important installation notes	Mechanical data   Mounting data		
Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.  85 °C  Additional condition temperature range depending on cable quality  Important installation notes	Mounting method	inserted, screwed, Shaking protection	
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Important installation notes			
Additional condition temperature range depending on cable quality  Important installation notes	Operating temperature min.	-25 °C	
Important installation notes	Operating temperature max.	85 °C	
	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.	Important installation notes		
	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	

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: 2024-05-18



stay connected

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.

	endangered by excessive bending lordes.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
Cable identification	254
Cable Type	5
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires twisted
wire arrangement	brown, black, blue, white
Cable weigth	36,3 g/m
Material jacket	PUR
Shore hardness jacket	58 ± 3 Shore D
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,7 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP P
Amount wires	4
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	74 ± 3 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Electrical resistance line constant wire	60 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	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min