

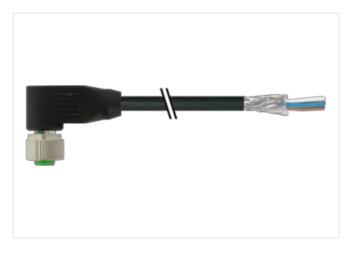
## M12 female 90° A-cod. with cable shielded

PUR 12x0.14 shielded bk UL/CSA+drag ch. 30m

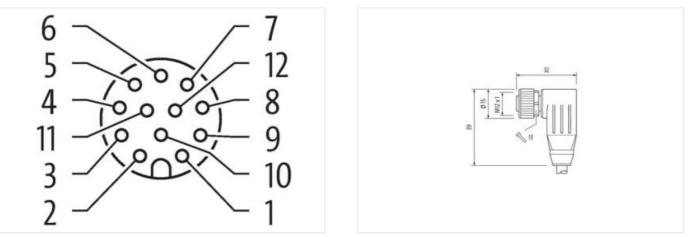
Female 90° M12, 12-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration



<u> </u>	BN BU	í	ì
211	WH	:	·
511	GN	i	1
	PK	1	1
1	YE	!	1
$\langle 1 \rangle$	BK	i	
	GY	1	- <u> </u>
	RD	1	1
511	VT	;	
211	GY PK	1	1
	RD BU	1	1
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Product may differ from Image



30 m

0,6 Nm

Cable length

Side 1

Tightening torque

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: 2024-05-20

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Thread     M12 x 1       Matarial     PUR       With across flats     SW13       Degree of protection (EN IEC 60529)     IPES, IPESK, IPE7       Commercial data     27279218       ECLASS 4.0     27260311       ECLASS 4.0     27060311       ECMASS 4.0     40489792325       Packaging und     1       Electrical data 1 Suppy     200       Operating voltage 6.0 max.     30 V       Operating voltage 6.0 max.     30 V	Mounting method	inserted, screwed	
Material     PJR       Width across liuls     SW13       Width across liuls     SW13       Commercial data     FPSK, IPSK, IPSK       ECLASS 6.0     27278218       ECLASS 6.0     27278218       ECLASS 6.0     27278218       ECLASS 7.0     27090311       ECLASS 7.0     2709031       ECLASS 7.0     2709031       ECLASS 7.0     2709031       ECLASS 7.0     2700031       ECLASS 7.0     2700031       ECLASS 7.0     2700010	Family construction form	M12	
With across flats     SW13       Dapper of protection (EN IEC 6029)     IPES, IPEGK, IPE7       Commercial dats     E       ECLASS 6.0     2727818       ECLASS 6.0     2727818       ECLASS 6.0     2727818       ECLASS 7.0     2727818       ECLASS 7.0     2727818       ECLASS 7.0     2727818       ECLASS 7.0     27060311       ECLASS 7.0     ECOR01855       ECHASE 7.0     SV       Operating voltage A	Thread	M12 x 1	
Degree of protection (EN IEC 60529)     IP66, IP66K, IP67       Commercial data        ECLASS 6.0     27279218       ECLASS 7.0     27279218       ECLASS 6.0     27279218       ECLASS 8.0     27090311       ECLASS 8.10     27000311       ECLASS 8.10     27000311       ECLASS 8.10     2700031       ECLASS 8.10     20001       ECLASS 8.10     2000       ECLASS 8.10     2001       ELASS 8.10     10       ELASS 8.10     30 V<	Material	PUR	
Commercial data     Commercial data       ECLASS 6.0     2772718       ECLASS 6.0     27727218       ECLASS 6.0     27727218       ECLASS 6.0     27727318       ECLASS 6.0     27727318       ECLASS 6.0     2776031       ECLASS 1.0     27060311       ECLASS 1.1     27060311       ECLASS 1.1     2706031       ECLASS 1.1     2706031       ECLASS 1.1     2706031       ECLASS 1.2     2706031       ECLASS 2.2     2706031       ECLASS 2.2     30 V       Operating vallage AC (ILL Istick)     30 V       Operating vallage AC (ILL Istick)     30 V       Operating vallage AC (ILL Istick)     30 V       Pav	Width across flats	SW13	
ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-7.0     27279218       ECLASS 8.0     2706031       ECLASS 7.0     2706031       CAMPANDAR SANDAR S	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67	
ECLASS-6.1     22279218       ECLASS-7.0     22727218       ECLASS-7.0     22727218       ECLASS-8.0     2779218       ECLASS-8.0     27060311       ECLASS-7.0     27060311       ECLASS-7.0     27060311       ECLASS-7.0     27060311       ECLASS-7.0     27060311       ECLASS-7.0     27060311       ECLASS-7.0     ECO01955       customs tailf number     85444230       Cast     ECO01955       customs tailf number     85444230       Cast     S0 V       Operating voltage AC max.     30 V       Operating voltage AC max.     30 V       Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-list	Commercial data		
ECLASS-6.1     22279218       ECLASS-7.0     22727218       ECLASS-7.0     22727218       ECLASS-8.0     2779218       ECLASS-8.0     27060311       ECLASS-7.0     27060311       ECLASS-7.0     27060311       ECLASS-7.0     27060311       ECLASS-7.0     27060311       ECLASS-7.0     27060311       ECLASS-7.0     ECO01955       customs tailf number     85444230       Cast     ECO01955       customs tailf number     85444230       Cast     S0 V       Operating voltage AC max.     30 V       Operating voltage AC max.     30 V       Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-list	ECLASS-6.0	27279218	
ECLASS-7.0     22279218       ECLASS-8.0     22709218       ECLASS-8.0     22709218       ECLASS-8.0     27090311       ECLASS-10.1     27090311       ECLASS-10.2     27090311       ECLASS-10.2     27090311       ECLASS-12.0     27090311       Exterical data [Supply     5       Oparating voltage CG max.     30 V       Oparating voltage CG CLULISted)     30 V       Oparating voltage CG LULISted)     30 V       Oparating voltage CG LULISted)     30 V       Oparating voltage CG LULISted)     30 V       Externet other Externet other Externet the totheret the tother Externet otheret the tother Externet ot			
ECLASS-6.0     27279218       ECLASS-6.0     27060311       ECLASS-6.1     27060311       ECLASS-5.1.1     27060311       ECLASS-5.1.2.0     27060311       ECLASS-6.1     27060311       ECLASS-5.1.2.0     27060311       ECLASS-1.2.0     27060311       ECLASS-1.2.0     27060311       ECLASS-1.2.0     27060311       ECLASS-1.2.0     27060311       ECLASS-1.2.0     27060311       CASS-1.2.0     27060311       ECLASS-1.2.0     27060311       CASS-1.2.0     27060311       ECLASS-1.2.0     27060311       ECLASS-1.2.0     27060311       ECLASS-1.2.0     27060311       Electarization of the state of			
ECLASS-9.0     27060311       ECLASS-10.1     27060311       ECLASS-11.1     27060311       ECLASS-12.0     27060311       ECLASS-12.0     27060311       ECLASS-12.0     27060311       ECLASS-12.0     27060311       ECLASS-12.0     EC001855       ecutors tarff number     8544290       GTIN     404897923725       Packaging unit     1       Effectical data   Supply     Effectical data   Supply       Operating voltage AC max.     30 V       Operating voltage AC (UL-listed)     30 V       Current operating voltage AC (UL-listed)     30 V       Current operating voltage AC (UL-listed)     30 V       Device protection   Electrical     Mouting at       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     0.8 I/V       Material gr	ECLASS-8.0		
EGLASS 10.1     27060311       EGLASS 12.0     27060311       ETIM 5.0     EC001655       cuatoms tariff number     8544290       GTIN     404687723725       Packaging unit     1       Etertical data   Supply     Coperating voltage AC max.       Operating voltage AC max.     30 V       Operating voltage AC max.     30 V       Operating voltage DC max.     30 V       Operating voltage DC (LI-Listed)     30 V       Current operating per contact max.     1,5 A       Installation   Connection     Its x 1       Device protection   Electrical     Additional protection degree       Additional protection degree     3       Rated surge voltage     0,8 kV       Material group (EC 60664-1)     1	ECLASS-9.0		
ECLASS-11.1     27060311       ECLASS-12.0     27060311       ECLASS-12.0     27060311       ECLASS-12.0     ECO01855       customs tariff number     85444290       GTIN     4048979723725       Packaging unit     1       Electrical data   Supply	ECLASS-10.1		
ETIM-5.0     EC001855       customs fariff rumber     85444290       GTIN     404887972325       Packaging unit     1       Etectical data   Supply        Oparating voltage AC max.     30 V       Operating voltage AC max.     30 V       Operating voltage AC (ILL-Islend)     30 V       Additional condition protection   Electrical        Additional condition protection protection degree     isented, serewed       Pollution Degree     3       Rated surge voltage     0.8 kV       Material group (IEC 06664-1)     1       Mechanical data   Material data     Zinc dia casting       Material screw connection     Zinc dia casting       Material screw connection     Zinc dia casting       Material screw connection     Zinc dia casting	ECLASS-11.1		
ETIM-5.0     EC001855       customs fariff rumber     85444290       GTIN     404887972325       Packaging unit     1       Etectical data   Supply        Oparating voltage AC max.     30 V       Operating voltage AC max.     30 V       Operating voltage AC (ILL-Islend)     30 V       Additional condition protection   Electrical        Additional condition protection protection degree     isented, serewed       Pollution Degree     3       Rated surge voltage     0.8 kV       Material group (IEC 06664-1)     1       Mechanical data   Material data     Zinc dia casting       Material screw connection     Zinc dia casting       Material screw connection     Zinc dia casting       Material screw connection     Zinc dia casting	ECLASS-12.0		
GTIN 4048879723725   Packaging unit 1   Electrical data   Supply 0   Operating voltage AC max. 30 V   Operating voltage AC max. 30 V   Operating voltage AC (UL-listed) 30 V   Operating voltage AC (UL-listed) 30 V   Current operating per contact max. 1,5 A   Installation   Connection 15 A   Mouning 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 ocking   Coating ocking Nickoled   Coating ocking Nickoled   Coating of fitting nickel plated   Locking material Zinc die-casting   Material screw concetion Zinc die-casting   Material screw concetion Zinc die-casting   Material characteristics   Climatic 25 °C   Operating temperature min. -25 °C   Operating temperature max. 85 °C   Additional condition temperature range depending on cable quality   Important installation notes Protect the connectors by suitable measures from mechan	ETIM-5.0		
GTIN 4048879723725   Packaging unit 1   Electrical data   Supply 0   Operating voltage AC max. 30 V   Operating voltage AC max. 30 V   Operating voltage AC (UL-listed) 30 V   Operating voltage AC (UL-listed) 30 V   Current operating per contact max. 1,5 A   Installation   Connection 15 A   Mouning 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 ocking   Coating ocking Nickoled   Coating ocking Nickoled   Coating of fitting nickel plated   Locking material Zinc die-casting   Material screw concetion Zinc die-casting   Material screw concetion Zinc die-casting   Material characteristics   Climatic 25 °C   Operating temperature min. -25 °C   Operating temperature max. 85 °C   Additional condition temperature range depending on cable quality   Important installation notes Protect the connectors by suitable measures from mechan	customs tariff number		
Extrical dia   Supply       Operating voltage AC max.     30 V       Operating voltage DC max.     30 V       Operating voltage DC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     1,5 A       Installation   Connection     Installation   Connection degree       Additional condition protoction degree     inserted, screwed       Polution Degree     3       Rated surge voltage     0,8 kV       Material group (IEC 606664-1)     1       Mechanical data   Material data     Excerve connection       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Metherial data   Mounting data     Isserted, screwed, Shaking protection       Environmental characteristics   Climatic     Sic       Operating rule prevature min.     -25 °C       Operating rule prevature min.     -25 °C       Operating rule prevature min.     -25 °C       Operating rule rule rule min.     -25 °C       Operating rule rule rule min.	GTIN		
Operating voltage AC max.     30 V       Operating voltage DC max.     30 V       Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Current operating per contact max.     1.5 A       Installation   Connection     Mult x 1       Device protection   Electrical     M12 x 1       Device protection   Electrical     Moving set       Additional condition protection degree     3       Rated surge voltage     0.8 kV       Material group (IEC 60684-1)     1       Mechanical data   Material data     Mickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Unc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Qperating temperature max.       Qperating temperature max.     45 °C       Operating temperature max.     65 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Attention: Observ	Packaging unit	1	
Operating voltage AC max.     30 V       Operating voltage DC max.     30 V       Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Current operating per contact max.     1.5 A       Installation   Connection     Mult x 1       Device protection   Electrical     M12 x 1       Device protection   Electrical     Moving set       Additional condition protection degree     3       Rated surge voltage     0.8 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Mickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Moving protection       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Mounting method     iscreted, screwed, Shaking protection       Environmetial characteristics   Climatic     Operating temperature min.       Operating temperature min.     45 °C       Operating temperature max.     65 °C       Additio	Electrical data   Supply		
Operating voltage DC max.     30 V       Operating voltage AC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     1,5 A       Installation   Connection     Mul2 x 1       Device protection   Electrical     Mul2 x 1       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 of fitting       Coating of fitting     nickel plated       Locking matrial     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Mounting method       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Qperating temperature max.       Qperating temperature max.     45 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important Installation notes     Attention: Cobserve the permissible bending radii when laying cables, as the IP protection class c		30 V	
Operating voltage AC (UL-listed)     30 V       Operating voltage CC (UL-listed)     30 V       Current operating per contact max.     1.5 A       Installation   Connection     Installation   Connection       Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     3       Rated surge voltage     0.8 kV       Material group (IEC 60664-1)     I       Mechanical data   Material data     Coating locking       Coating locking     Nickeled       Coating locking     Nickeled       Coating locking     Nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coating on cable quality       Important installation notes     Geperating on cable quality       Important installation notes     Attention:: Observe the permissible bending radii when laying cables, as the IP protection dass can be endangered by excessive bending forces.       Nole on			
Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     1,5 A       Installation   Connection     M12 x 1       Device protection   Electrical     Additional condition protection degree       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       Coating locking     Nickeled       Coating of fiting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coating condition temperature min.       -25 °C     Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition notes     Vitention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. <td></td> <td></td>			
Current operating per contact max.   1,5 Å     Installation   Connection   Mul2 x 1     Device protection   Electrical   Inserted, screwed     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     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material group (IEC 60664-1)   Inserted, screwed, Shaking protection     Mechanical data   Material strew connection   Zinc die-casting     Material screw connection   Zinc die-casting     Material screw connectories   Zinc die-casting     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature max.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Note on strain relief     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. </td <td></td> <td></td>			
Installation   Connection       Mounting set     M12 x 1       Device protection   Electrical     inserted, screwed       Additional condition protection degree     iserted, screwed       Pollution Degree     3       Rated surge voltage     0,8 kV       Material group (IEC 60664-1)     I       Mechanical data   Material data     I       Coating of fitting     nickel plated       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     S <sup>o</sup> C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Moter observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Contormity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Protuct standard     DIN EN 61076-2-101 (M12)		1.5 A	
Munting set     M12 x 1       Device protection   Electrical     Inserted, screwed       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     Inserted, screwed       Coating of fitting     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Qing of nickel equality       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     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     DIN EN 61076			
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       Coating locking     Nickeled       Coating of fitting     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.       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Naterion: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Product standard     DIN EN 61076-2-101 (M12)	•	M12 × 1	
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     Nickeled   Nickeled     Coating locking   Nickeled     Coating no fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Inserted, screwed, Shaking protection     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   -25 °C     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Environmental characteristics   climatic     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) <td></td> <td></td>			
Pollution Degree   3     Rated surge voltage   0,8 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   I     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   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.     A65 °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)			
Rated surge voltage     0,8 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     I       Coating locking     Nickeled       Coating locking     nickel plated       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   Climatic     Operating temperature min.       -25 °C     Operating temperature max.       Additional condition temperature range     depending on cable quality       Important installation notes     Note on strain relief       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       Product standard     DIN EN 61076-2-101 (M12)			
Material group (IEC 60664-1)   I     Mechanical data   Material data   Vickeled     Coating of fitting   nickel plated     Coating of fitting   nickel plated     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   Climatic   Vickeled     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Vice on strain relief     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   DIN EN 61076-2-101 (M12)			
Mechanical data   Material data       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic		· · · · · · · · · · · · · · · · · · ·	
Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Inserted, screwed, Shaking protection     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   Note on strain relief     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.     Product standard   DIN EN 61076-2-101 (M12)			
Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Comportant 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   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     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.     Product standard   DIN EN 61076-2-101 (M12)	Mechanical data   Material data		
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   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   DIN EN 61076-2-101 (M12)	Coating locking		
Material screw connection   Zinc die-casting     Mechanical data   Mounting data   inserted, screwed, Shaking protection     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     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 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   DIN EN 61076-2-101 (M12)		•	
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   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     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     Product standard   DIN EN 61076-2-101 (M12)		-	
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Cable identification

706

	700
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	9 wires around Stranding combination twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	80 %
Banding	Fleece, Foil
wire arrangement	gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue
Cable weigth	67,1 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)	6,5 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	12
Outer diameter insulation	1 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
Amount strands (wire)	18
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,14 mm <sup>2</sup>
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	2 A
Electrical resistance line constant wire	138 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire -	
jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	5 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min
	-

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