

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

PUR 8x0.25 shielded gy UL/CSA+drag ch. 10m

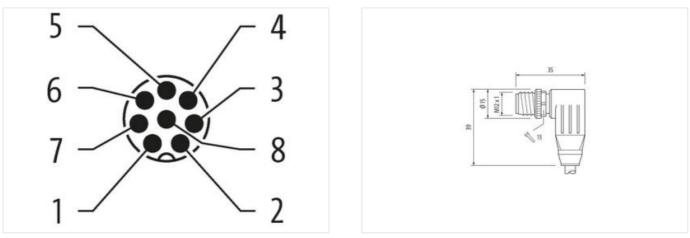
Male 90° M12, 8-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration



	BN	
1	WH	<u> </u>
	BU	
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	VT	
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Product may differ from Image



10 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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Family construction form         M12           Timesed         M12 x1           Material         M12 x1           Material         W14           Witch across flats         SW13           Degree of preference         SW13           Commercial data         2727018           ECLASS 6.0         27270218           ECLASS 8.0         27270218           ECLASS 8.0         27270218           ECLASS 8.0         270000311           ECLASS 8.10         270000311           ECLASS 9.10         270000311           ECLASS 9.10         1           Electric datal Suppit         404079158807           Capacing unit         1           Electric datal Suppit         30 V           Capacing units pC Onax         30 V           Capacing unitspa eD Onax         30 V	Mounting method	inserted, screwed	
Material         PUR           Witch access flass         SW13           Degree of protocolin (EN EC 90559)         IPPS, IPPS	Family construction form	M12	
Width acrose flats         SW13           Dargere d protection (EN IEC 60529)         IPES, IPESK (P67           Commercial de protection (EN IEC 60529)         IPES, IPESK (P67           ECI ASS 6.0         2727218           ECI ASS 7.0         2727218           ECI ASS 5.0.0         27060511           ECI ASS 5.0.0         27060511           ECI ASS 5.0.0         27060511           ECI ASS 5.0.0         2706051           ECI ASS 5.0.0         2706051           ECI ASS 5.0.0         2706051           ECI ASS 5.12.0         2706051           ECI ASS 5.12.0         2706051           ECI ASS 5.12.0         2706051           ECI ASS 5.0         260701855           cualons stiml number         8544250           GTI M         404857016687           Packaging unt         1           Electrical data [Supply         Coperating voltage AC (UL Isted)           Operating voltage AC (UL Isted)         30 V           Contencial data [Supply]         A </td <td>Thread</td> <td>M12 x 1</td>	Thread	M12 x 1	
Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data	Material	PUR	
Commercial data           ECLASS 6.0         27279218           ECLASS 7.0         27279218           ECLASS 7.0         27279218           ECLASS 8.0         27060311           ECLASS 7.0         27060311           ECLASS 1.1         27060311           ECLASS 1.2         27060311           ECLASS 1.1         27060311           ECLASS 1.2         27060311           ECLASS 1.2         27060311           ECLASS 1.2         27060311           ECLASS 1.2         27060311           CLASS 1.2         27060311           ECLASS 1.2         27060311           CLASS 1.2         27060311           ECLASS 1.2         27060311           ECLASS 1.2         27060311           ECLASS 1.2         2706031           ECLASS 1.2         2706031           ECLASS 1.2         2706031           ECLASS 1.2         2706031           Packaground         1           Eclass 2.4         2706031           Eclass 2.4         2706031           Packagrounds A.2         A           Evertary ontage CLU-listed         270           Operating vontage CLU-listed V         270	Width across flats	SW13	
ECLASS-6.0         27278218           ECLASS-7.0         27278218           ECLASS-7.0         27278218           ECLASS-9.0         27060311           ECLASS-1.1         2706031           ECLASS-1.1         2706031           ECLASS-2.0         2707031           ELEXENT         270           Operating onting of contact max.         2 A	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67	
EGLASS 70         27279218           EGLASS 8.0         2776218           EGLASS 9.0         27660311           EGLASS 9.0         27660311           EGLASS 10.1         27660311           EGLASS 12.0         27060311           Edectical dia 1 Supply         2           Operating voltage CG CML stated         30 V           Operating voltage CG CUL-listed         30 V           Control operating voltage CG (UL-listed)         30 V           Mouting set         M12 × 1           Basilation I Contection         M12 × 1           Basilation I Contection Regree <td>Commercial data</td> <td></td>	Commercial data		
ECLASS 8.0         27279218           ECLASS 9.0         27060311           ECLASS 9.0         27060311           ECLASS 1.1         27060311           ECLASS 12.0         27060311           Electrical datal Supply            Operating voltage AC max.         30 V           Operating voltage AC (UL-Isteck)         30 V           Current operating voltage AC (UL-Isteck)         30 V	ECLASS-6.0	27279218	
ECLASS-9.0     27080311       ECLASS-10.1     27080311       ECLASS-11.1     27080311       ECLASS-12.0     27080311       ECLASS-12.0     27080311       ETM-5.0     EC001855       outsoms tarff number     6544290       GTN     4048879155867       Packaging unit     1       Electrical data Supply     Design yortage AC max.       Operating voltage AC max.     30 V       Operating voltage AC (UL-Islaed)     30 V       Operating voltage AC (UL-Islaed)     30 V       Operating voltage AC (UL-Islaed)     30 V       Current operating voltage AC (UL-Islaed)     30 V       Device protection   Electrical     404       Additional condition protection degree     3       Rated auge voltage     0.8 V       Material group (UE doe64-1)     1       Mechanical data   Meterial datat       Coating locking <t< td=""><td>ECLASS-7.0</td><td>27279218</td></t<>	ECLASS-7.0	27279218	
ECLASS-10.1         27080311           ECLASS-20         27080311           ECLASS-20         27080311           ETM 5.0         EC001855           customs larif number         8544290           GTIN         40487915667           Packaging unt         1           Electrical data   Supply         Coperating voltage DC max.           Operating voltage DC max.         30 V           Operating voltage DC (LL-Isted)         30 V           Corrent Operating voltage DC (LL-Isted)         30 V           Operating voltage DC (LL-Isted)         30 V           Corrent Operating voltage DC (LL-Isted)         30 V           Corrent Operating voltage DC (LL-Isted)         30 V           Device protection   Electrical         Mounting other inserted, screwed           Pollution Dogree         3           Balad scree voltage         0,8 kV           Material group (EC 60664-1)         <	ECLASS-8.0	27279218	
ECLASS-11.1     27080311       ECLASS-12.0     27080311       ECLASS-12.0     EC001865       austams tatiff number     85444290       GTIN     4048879195867       Packaging unit     1       Electrical data   Supply        Operating voltage AC max.     30 V       Operating voltage DC max.     30 V       Material down (Econotical Material dow	ECLASS-9.0	27060311	
ECLASS-12.0       27060311         ETIM-5.0       EC001855         outsoms taiff number       8544290         GTIN       4048879195867         Packagn unit       1         Electrical data   Supply       Operating voltage AC max.         Operating voltage AC max.       30 V         Operating voltage AC (UL-listed)       30 V         Operating voltage DC (UL-listed)       30 V         Current operating per contact max.       2.A         Installation   Connection       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)       1         Mechanical data   Material data       Znc die-casting         Coating of fitting       nickele plated         Coating of fitting       nickele plated         Coating of fitting       inserted, screwed, Shaking protection         Periatrial screw connection tail casting       Coetaring         Material screw tome.       25 °C	ECLASS-10.1	27060311	
ETIM-S.0       EC001855         customs taiff number       85444290         GTIN       4048879195867         Packaging unit       1         Electrical data   Supply          Operatiny voltage AC max.       30 V         Operatiny voltage DC max.       30 V         Operatiny voltage AC (UL listed)       30 V         Current operating are contact max.       2 A         Installation (Concetion          Mounting set       M12 x 1         Device protection [Electrical          Additional condition protection degree       inserted, screwed         Polution Dagree       3         Rated surge voltage       0.8 kV         Material group (IEC 60664-1)       1         Machail group (IEC 60664-1)       1         Machail group (IEC 60664-1)       1         Material group (IEC 60664-1)       1         Material gro	ECLASS-11.1	27060311	
customs tariff number     85444290       GTIN     4048879195687       Packaging unit     1       Electrical dia I Supply     90 V       Operating voltage AC max.     30 V       Operating voltage AC max.     30 V       Operating voltage AC (LL-listed)     30 V       Operating voltage AC (LL-listed)     30 V       Operating voltage AC (LL-listed)     30 V       Operating ording Per contact max.     2 A       Installation   Connection     Mounting set       Mounting set     M12 x 1       Device protection   Electrical     Mounting set       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     0.8 kV       Material group (IEC 60664-1)     1	ECLASS-12.0	27060311	
GTIN     4048879195867       Packaging unit     1       Electrical data   Supply     0       Operating voltage AC max.     30 V       Operating voltage AC max.     30 V       Operating voltage AC (LL-listed)     30 V       Corrent operating per contact max.     2 A       Installation   Connection     0       Mouring set     M12 x 1       Device protection   Electrical       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     0,8 kV       Material group (EC 606964-1)     1       Mochnical data   Material dat     Coating of fitting       Coating of fitting     nickel plated       Coating of fitting     cinserted, screwed, Shaking protection	ETIM-5.0	EC001855	
Packaging unit       1         Electrical data   Supply	customs tariff number	85444290	
Electrical data   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 per contact max.       2 A         Installation   Connection       Mil2x 1         Device protection   Electrical       Mil2x 1         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rate Surge voltage       0,8 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Coating of fitting         Coating of fitting       nickeled         Coating of fitting       nickeled addite plated         Locking metriel       Zinc die-casting         Material group (IEC formation       Zinc die-casting         Metriel Screw connection       Zinc die-casting         Metriel Screw connection       Zinc die-casting         Mounting metriel       Die-casting         Mounting metriel       Sin Co-Commetriel         Environmetriel characteristics   Climatic       Operating temperature max.         Note on stain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties	GTIN	4048879195867	
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         Operating voltage DC (UL-listed)       30 V         Current operating per contact max.       2 A         Installation   Connection       Mounting set         Mounting set       M12 x 1         Device protection   Electrical       Additional condition protection degree         Additional condition protection degree       0,8 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Coating locking         Coating locking       Nickeled         Coating locking       Nickeled         Coating locking       Nickeled         Mounting metrial       Zinc die-casting         Material screw connection       Zinc die-casting         Mounting method       inserted, screwed. Shaking protection         Environmental characteristics   Climatic       Coating or chale quality         Operating temperature max.       85 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important Installation notes       Attention: Observe	Packaging unit	1	
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.     2 A       Installation   Connection     M12 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     3       Rated surge voltage     0,8 kV       Material group (IEC 6064-1)     1       Mechanical data   Material data     Coating locking       Coating locking     Nickeled       Coating locking     Nickeled       Coating locking     Nickeled       Mounting tast     Zinc die-casting       Mounting tast (Socked Filter)     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Zinc die-casting       Mounting tast     Zinc die-casting       Mounting temporature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important Installation notes     Nickel notes 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 banding radius     Attention: Observe the permissible bending radii when layin	Electrical data   Supply		
Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         2 A           Installation   Connection         Mounting set           Mounting set         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 (EC 60664-1)         1           Mechanical data   Material data         Coating locking           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Mechanical data   Mounting data         Ince die-casting           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coating on cable quality           Important installation notes         S° °C           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Nation on other in relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Operating voltage AC max.	30 V	
Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         2 A           Installation   Connection         Mounting set         M12 x 1           Device protection   Electrical         Mounting set         M12 x 1           Device protection protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0.8 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Coating of fitting           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         Operature max.           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.           Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by sexcessibe bending forces.           Conformity         DIN EN 61076-2-101 (M12)           <	Operating voltage DC max.	30 V	
Current operating per contact max.       2 Å         Installation   Connection       Multion   Connection         Mounting 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       Coating of fitting         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 max.         Operating temperature max.       85 °C         Additional condition temperature may.       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	Operating voltage AC (UL-listed)	30 V	
Installation   Connection           Mounting 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         Coating locking           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           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coating temperature min.           -25 °C         Operating temperature max.           Additional condition temperature range         depending on cable quality           Important installation notes         Notes on strain relief           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fies.           Note on strain relief         Protect the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forc	Operating voltage DC (UL-listed)	30 V	
Mounting set     M12 x 1       Device protection   Electrical     Inserted, screwed       Additional condition protection degree     isserted, 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 locking     Nickeled       Coating locking     Zinc die-casting       Methanical data   Mounting data     Isserted, 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 endangreed by excessive bending forces.       Contormity     Product standard       Product standard     DIN EN 61076-2-101 (M12)	Current operating per contact max.	2 A	
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Pollution Degree       3         Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       I         Mechanical data   Material data       I         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 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)         Installation   Cable       Din EN 61076-2-101 (M12)	Device protection   Electrical		
Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       I         Mechanical data   Material data       Coating locking       Nickeled         Coating locking       nickel plated       Coating of fitting       nickel plated         Locking material       Zinc die-casting       Material screw connection       Zinc die-casting         Mechanical data   Mounting 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       Mote 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)         Installation   Cable       DIN EN 61076-2-101 (M12)	Additional condition protection degree	inserted, screwed	
Material group (IEC 60664-1)       I         Mechanical data   Material data       Coating locking       Nickeled         Coating locking       nickel plated       Coating of fitting       nickel plated         Locking material       Zinc die-casting       Material screw connection       Zinc die-casting         Material 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 min.       -25 °C       Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality       Important installation notes         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on bending radius       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Conformity       Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       DIN EN 61076-2-101 (M12)	Pollution Degree	3	
Mechanical data         Material data           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         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 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)	Rated surge voltage	0,8 kV	
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       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.         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         Installation   Cable       DIN EN 61076-2-101 (M12)	Material group (IEC 60664-1)	I	
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.         -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)	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       Mote 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.         Conformity       Product standard         Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       Cable	Coating locking	Nickeled	
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.         -25 °C       Operating temperature max.         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       Product standard         Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       Cable	Coating of fitting	nickel plated	
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       DIN EN 61076-2-101 (M12)         Installation   Cable       DIN EN 61076-2-101 (M12)	Locking material	Zinc die-casting	
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       Mote 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         Installation   Cable       DIN EN 61076-2-101 (M12)	Material screw connection	Zinc die-casting	
Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       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         Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       Cable	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       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         Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       Cable	Mounting method	inserted, screwed, Shaking protection	
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.         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)         Installation   Cable	Environmental characteristics   Climatic		
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.         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)         Installation   Cable	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.         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)       Installation   Cable	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.         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)         Installation   Cable       Cable       Conformity	Additional condition temperature range	depending on cable quality	
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)         Installation   Cable       Cable	Important installation notes		
Note of Dehuling Tablus     endangered by excessive bending forces.       Conformity     Product standard       DIN EN 61076-2-101 (M12)       Installation   Cable	Note on strain relief	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) Installation   Cable	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be	
Installation   Cable	Conformity		
	Product standard	DIN EN 61076-2-101 (M12)	
Cable identification 294	Installation   Cable		
	Cable identification	294	

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Cable Type	3
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	8 wires around Core filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	80 %
Banding	Fleece, Foil
Filler	yes
wire arrangement	brown, orange, violet, pink, gray, black, blue, white
Cable weigth	74,8 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)	7 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	8
Outer diameter insulation	1,2 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)	32
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 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	3 A
Electrical resistance line constant wire	79 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
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
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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