

## M12 female 0° A-cod. with cable shielded

PUR 4x2x0.25 shielded gy 15m

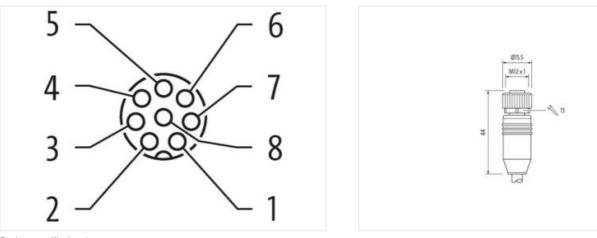
Female straight M12, 8-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration



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Product may differ from Image



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: 2024-06-02

15 m

0,6 Nm

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Family construction form     M12       Thread     M12 x 1       Material contact     Copper alloy       Material contact     Copper alloy       Material contact     Seperal protection (ENEC 60529)       Degree of protection (ENEC 60529)     PES, IP66K, IP67       Commercial dats     SW13       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-8.0     27060311       ECLASS-10.1     27060311       ECLASS-11.1     27060311       ECLASS-12.0     27060311       ECLASS-13.1     27060311       ECLASS-14.1     27060311       ECLASS-15.0     EC001655       Cuastom tarf fumber     E544490       GTIN     4048979195829       Packaging unit     1       Electrical data [Supply       Operating voltage AC max.     30 V       Operating voltage AC max.     30 V       Operating voltage DC max.     30 V <th>Mounting method</th> <th>inserted, screwed</th>	Mounting method	inserted, screwed	
Family construction form     M12       Treaded     M12.1       Material     PUR       No.of poles     8       Woth access flats     SW13       Degree of protection (FN IEE 60:50)     IP66, IP67       Commercial data     2773218       ECLASS 5.0     2773219       ECLASS 5.1.1     27600311       ECLASS 5.1.2     27600311       ECLASS 5.1.2     27600311       ECLASS 5.1.2     27600311       ECLASS 5.1.2     27600311       ECLASS 5.1.1     27600311       ECLASS 5.1.2     27600311       ECLASS 5.1.2     27600311       ECLASS 5.1.1     27600311       ECLASS 5.1.2     27600311       ECLASS 5.1.1     27600311       ECLASS 5.1.1     27600311       ECLASS 5.1.1	Coating contact	gold plated	
These     M12 x 1       Material     Copper alloy       Material     PUR       No. of pole     8       Work arcse fields     SW13       Degree of protection (EN IEC 60629)     IPES, IPE6K, IPE7       Commercial data     ECIASS-6.0       ECIASS-6.0     27279218       ECIASS-6.0     27279218       ECIASS-6.0     27279218       ECIASS-6.0     2729218       ECIASS-6.0     27290311       ECIASS-6.0     27090311       ECIASS-7.0     27090311       ECIASS-7			
Material     PUR       No. dr polet     8       Widt across fluids     SW13       Degree of protection (EN EC 60529)     IPES, IPE6K, IPE7       Commercial data     ECIASS-6.0       ECIASS-7.0     22779218       ECIASS-7.0     22779219       ECIASS-7.0     22779219       ECIASS-7.0     22779219       ECIASS-7.0     22779219       ECIASS-7.0     22760311       ECIASS-7.0     27690311       ECIASS-7.0     27600311       EVEX.0     30 V       Operating values AC max.     30 V       Operating values A	Thread	M12 x 1	
Material     PUF       No: of poles     8       No: of poles     8       With across fints     SW13       Degree of protection (EN EC 60529)     IP65, IP6K, IP57       Commercial data     27279218       ECLASS 5.0     27260311       ECLASS 5.0     27060311       ECLASS 5.10     2000311       Electrical data [Supply     30 V       Oparating voltage Do Tax.     30 V       Oparating voltage Do Tax.     30 V       Oparating voltage Do Tax.     30 V	Material contact	Copper alloy	
Width across flats     SW13       Dagroa of protection (EN IEC 06029)     IPDS, IPDK, IPG7       Commercial dat     E       ECLASS 6.0     27279218       ECLASS 7.0     27279218       ECLASS 7.0     27279219       ECLASS 7.0     27279219       ECLASS 7.0     272700311       ECLASS 7.0     27060311       ECLASS 7.0     2706031       Encade 0 for max.     30 V       Correct operating voltage A Cmax.     30 V	Material		
Degree of protection (EN IEC 66529)     IP65, IP60K, IP67       Commercial data     E       ECIASS 7.0     27279218       ECIASS 7.0     27260311       ECIASS 10.1     27060311       ECIASS 7.0     27260311       ECIASS 7.0     27060311       ECIASS 7.0     27060311       ECIASS 7.0     27060311       ECIASS 7.0     27060311       ETMA 5.0     EC001955       Construction     27060311       ETMA 5.0     EC001955       Construction     27060311       ETMA 5.0     EC001955       Construction     1       Electrical data I Suppy     Operating voltage AC max.       Operating voltage AC max.     30 V       Current operating per contact max.     2 A       Electrical data I Suppy     Inserted, sorewed       Polition Degree     3       Rated argue (IEC 60661-1)     I       Material dr	No. of poles	8	
Commercial data     ECLASS 9.0     27278218       ECLASS 9.0     27278218     27000311       ECLASS 9.0     27000311     27000311       ECLASS 9.1     27000311     27000311       ECLASS 9.2     27000311     27000311       ECLASS 9.3     27000311     27000311       ECLASS 9.2     27000311     27000311       ECLASS 9.2     27000311     27000311       Errorrel of the SCO188S     27000311     27000311       Errorrel of the SCO1895 929     2700031     2700031       Packaging unit     1     2700031     2700031       Errorrel of the SCO1895 929     30 V     2700031     2700031       Operating voltage OC max.     30 V     20     2700031       Errorrel toterating Arrorrel max.     2 A     2     2       Mouting set Condition protection lefectrating     20     20 <td>Width across flats</td> <td>SW13</td>	Width across flats	SW13	
ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-7.0     27279218       ECLASS-8.0     27060311       ECLASS-10.1     27060311       ECLASS-11.1     27060311       ECLASS-12.0     27060311       ECLASS-13.1     27060311       ECLASS-14.0     27060311       ECLASS-15.0     27060311       ECLASS-16.0     27060311       ECLASS-17.1     27060311       ECLASS-16.0     27060311       ECLASS-17.1     27060311       ECLASS-17.1     27060311       ECLASS-17.1     27060311       ECLASS-17.1     27060311       ECLASS-17.0     27060311       ECLASS-17.0     27060311       ECLASS-17.0     2706031       Eclass-17.1     494879195829       Packagn unt     1       Electical Cal Support     2       Operating voltage AC max.     30 V       Control operating protection and market     2 A       Additional contation protection degree     1       Device protection 1     1 <td>Degree of protection (EN IEC 60529)</td> <td colspan="2">IP65, IP66K, IP67</td>	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67	
ECLASS-7.0     27278218       ECLASS-8.0     27279218       ECLASS-8.0     27060311       ECLASS-8.1.1     27060311       ECLASS-10.1     27060311       ECLASS-12.0     27060311       ECLASS-12.0     27060311       ETM-5.0     EC001655       customs tarff number     6544280       GTIN     40487915629       Packaging unt     1       Electrical data   Supply     Coperating voltage AC max.       Operating voltage AC max.     30 V       Current operating per context max.     2 A       Installation   Connection     M12 x 1       Device protection   Electrical     M12 x 1       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated aurge voltage     0.8 kV       Material group (ICC 60664-1)     1       Mechanical data   Material data     Coeting locking       Coating of ritting     nickel plated       Locking method     inserted, screwed, Shaking protection       Material group concetion     Zine die-casting       Mechanical data   Moun	Commercial data		
ECLASS-8.0     27278218       ECLASS-9.0     27060311       ECLASS-9.0     27060311       ECLASS-1.1     27060311       ECLASS-1.2.0     27060311       ECLASS-1.3     27060311       ECLASS-1.4     27060311       ECLASS-1.2.0     27060311       Parking voltage AC     A048879195829       Packajng unit     1       Electrical datal Supply     Corrent Corrector       Operating voltage DC max.     30 V       Davice protection I Electrical     Ita 1       Material group (EC 60664-1)     1 <	ECLASS-6.0	27279218	
ECLASS-9.0     27060311       ECLASS-10.1     27060311       ECLASS-11.1     27060311       ECLASS-12.0     27060311       Carrent Operating woltage Comax     30 V       Carrent Operating woltage Comax     2 A       Installation Concetion     Instel x 1       Device protection I Electrical     Material score/concetical       Material score/concetical data     Material score/concetical  <	ECLASS-7.0	27279218	
ECLASS-10.1     27060311       ECLASS-11.1     27060311       ECLASS-12.0     27060311       ETIM-5.0     EC001855       customs tariff number     85444290       GTIN     4046879195829       Packaging unit     1       Electrical data   Supply        Operating voltage AC max.     30 V       Operating voltage DC max.     30 V       Current operating per contact max.     2 A       Installation   Connection        Mounting set     M12 x 1       Device protection   Electrical        Additional condition protection degree     instarted, screwed       Poliution Degree     3       Rated surge voltage     0,8 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Conding of fitting       Coating of fitting     nickel plated       Coating of fitting     nickel plated       Coating of fitting     nickel screwed, Shaking protection       Metarial straw connection     Zhrc die-casting       Material straw connection     Zhrc die-casting       Mate	ECLASS-8.0	27279218	
ECLASS-11.1 27060311   ECLASS-12.0 27060311   ECLASS-12.0 E7001855   customs tariff number 85444290   GTIN 4048771958290   Peakaging unit 1   Electrical data   Supply 0   Operating voltage AC max. 30 V   Operating voltage AC max. 30 V   Current operating per context max. 2 A   Instaliation   Connection Mounting set   Mounting set M12 x 1   Device protection   Electrical   Additional condition protection degree 3   Rated surge voltage 0.4 kV   Material group (Electrical   Additional condition protection degree 3   Rated surge voltage 0.4 kV   Material group (Electrical) 1   Additional condition protection degree 3   Rated surge voltage 0.4 kV   Material group (Electrical) 1   Additional condition protection degree 3   Rated surge voltage 0.4 kV   Material group (Electrical) 1   Additional condition protection 2 inc disc-assing   Material acting (Electrical) 2 inc disc-assing   Material surge voltage 38 °C   Operating temperature max. 88	ECLASS-9.0	27060311	
ECLASS-11.1 27060311   ECLASS-12.0 27060311   ECLASS-12.0 E7001855   customs tariff number 85444290   GTIN 4048771958290   Peakaging unit 1   Electrical data   Supply 0   Operating voltage AC max. 30 V   Operating voltage AC max. 30 V   Current operating per context max. 2 A   Instaliation   Connection Mounting set   Mounting set M12 x 1   Device protection   Electrical   Additional condition protection degree 3   Rated surge voltage 0.4 kV   Material group (Electrical   Additional condition protection degree 3   Rated surge voltage 0.4 kV   Material group (Electrical) 1   Additional condition protection degree 3   Rated surge voltage 0.4 kV   Material group (Electrical) 1   Additional condition protection degree 3   Rated surge voltage 0.4 kV   Material group (Electrical) 1   Additional condition protection 2 inc disc-assing   Material acting (Electrical) 2 inc disc-assing   Material surge voltage 38 °C   Operating temperature max. 88	ECLASS-10.1	27060311	
ETIM-5.0 EC001855   customs tailff number 65444290   GTIN 4048879195829   Packaging unit 1   Electrical data   Supply    Operating voltage AC max. 30 V   Operating voltage DC max. 30 V   Current operating per contact max. 2 A   Installation   Connection M12 x 1   Device protection   Electrical M12 x 1   Additional condition protection degree insarted, screwed   Policion Degree 3   Rated surge voltage 0.8 kV   Material group (EC 60664-1) 1   Mechanical data   Material data   Coating old fitting nickel plated   Coating old fitting nickel plated   Coating old fitting nickel plated   Locking material Zinc die-casting   Mechanical data   Mounting data Since die-casting   Mechanical data   Mounting data Since die casting   Mechanical data   Mounting data	ECLASS-11.1	27060311	
cusioms tariff number     85444290       GTIN     4048879195829       Packaging unit     1       Electrical data [Supply     Comparating voltage AC max.       Operating voltage AC max.     30 V       Operating voltage AC max.     30 V       Current operating per contact max.     2 A       Installation [Connection     Installation [Connection Generation       Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     inserted, sorewed       Pollution 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 lotking material     Zinc die-casting       Material serew connection     Zin die-casting       Material Mounting data     Keened, sorewed, Shaking protection       Environmental characteristics   Climatic     Qiegerating imperature max.       AS °C     Codidional condition temperature ranze.	ECLASS-12.0	27060311	
GTIN 4048879195829   Packaging unit 1   Electrical data   Supply    Operating voltage AC max. 30 V   Operating voltage DC max. 30 V   Current operating per contact max. 2 A   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 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 chasteristics   Climatic    Operating temperature min. -25 °C   Operating temperature min. -25 °C   Operatin installation notes    Note on strain relief Protect the connectors by suitale measures from mechanical loads, e.g. by the usage of cable ties.   Material condition temperature main. -25 °C   Operatin instelpare	ETIM-5.0	EC001855	
Packaging unit   1     Electrical data   Supply	customs tariff number		
Packaging unit   1     Electrical data   Supply   Operating voltage AC max.   30 V     Operating voltage DC max.   30 V     Current operating per contact max.   2 A     Installation Connection   Mounting set   M12 x 1     Device protection   Electrical   Mounting set   M12 x 1     Additional condition protection degree   inserted, screwed     Pollution Degree   3   Restore word word word word word word word word	GTIN		
Electrical data   Supply       Operating voltage AC max.     30 V       Operating voltage DC max.     30 V       Current operating per contact max.     2 A       Installation   Connection     Installation   Connection       Mounting set     M12 x 1       Device protection   Electrical     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 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       Provinomental characteristics   Climattic     Sci       Coperating temperature min.     -25 °C       Operating temperature min.     -25 °C       Operatin temperature min.	Packaging unit	1	
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Operating voltage DC max.     30 V       Current operating per contact max.     2 A       Installation   Connection     Max       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 (IEC 60664-1)     1       Mechanical data   Material data     Coating locking       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     Coperating temperature min.       -25 °C     Operating temperature min.     -25 °C       Operating temperature max.     85 °C     Additional condition temperature range       Mote on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief </td <td></td> <td>30 V</td>		30 V	
Current operating per contact max.   2 A     Installation   Connection   Mule x 1     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     Meterial screw connection   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     Operating temperature max.   85 °C     Operating temperature max.   85 °C     Addition 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)     1       Mechanical data   Material data			
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     Inserted, screwed       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 min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important Installation notes     Importent 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			
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       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     Protect the connectors by suilable measures from mechanical loads, e.g. by the usage of cable ties.       Protect standard     DIN EN 61076-2-101 (M12)			
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	-	M12 x 1	
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.     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)	•		
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     Environmental characteristics   Climatic   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   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   In EN 61076-2-101 (M12)		-	
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   Important installation notes     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)			
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        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     DIN EN 61076-2-101 (M12)		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     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   Intertion: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.     Note on bending radius   DIN EN 61076-2-101 (M12)	Material group (IEC 60664-1)	1	
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   -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.     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   DIN EN 61076-2-101 (M12)	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.     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     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)	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   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	Locking material	Zinc die-casting	
Mounting methodinserted, screwed, Shaking protectionEnvironmental characteristics   ClimaticOperating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityImportant installation notesNote on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.Product standardDIN 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)	Mechanical data   Mounting data		
Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes      Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.     Conformity   Product standard     Product standard   DIN EN 61076-2-101 (M12)	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)	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)	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)	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)	Additional condition temperature range	depending on cable quality	
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)	Important installation notes		
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)	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)	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be	
Product standard DIN EN 61076-2-101 (M12)	Conformity		
		DIN EN 61076-2-101 (M12)	
	installation   Gable		

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wire arrangement

(brown, white), (red, blue), (pink, gray), (yellow, green)

Cable identification	286	
Jacket Color	gray	
Amount stranding	4	
Stranding	2 wires twisted	
Amount stranding (type 2)	1	
Stranding (type 2)	4 Stranded joints twisted	
Cable shielding (type)	copper braid, tinned	
Cable shielding (coverage)	85 %	
Banding	Fleece, Foil	
wire arrangement	(brown, white), (red, blue), (pink, gray), (yellow, green)	
Cable weigth	74,8 g/m	
Material jacket	TPU	
Shore hardness jacket	85 ± 5 Shore A	
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free	
Outer-diameter (jacket)	7,1 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	65 ± 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	
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)	1,5 kV @ 60 s	
Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s	
AC withstand voltage (wire - shield)	1,5 kV @ 60 s	
Min. operating temperature (static)	-40 °C	
Max. operating temperature (fixed)	90 °C	
Operating temperature min. (dynamic)	-5 °C	
Operating temperature max. (dynamic)	90 °C	
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2	
chemical resistance	Good, application-related testing	
Gasoline resistance	Good, application-related testing	
Oil resistance	Good, application-related testing   DIN EN 60811-404	
Bending radius (installation)	x Outer diameter	
Bending radius (fixed)	7,5 x Outer diameter	
Bending radius (dynamic)	15 x Outer diameter	

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