

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

PUR 4x0.34 shielded bk UL/CSA+drag ch. 2m

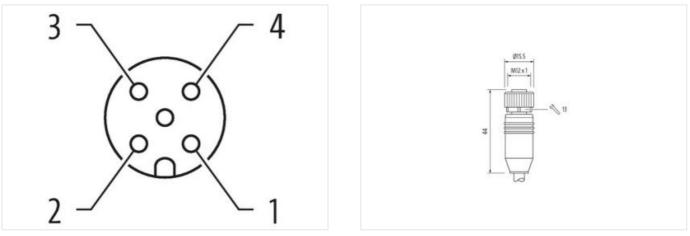
Female straight M12, 4-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration







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: 2024-05-21

2 m

0,6 Nm

Murrelektronik Inc. | 1327 Northbrook Parkway, Suite 460 | Suwanee, GA 30024 | Fon +1 770 497-9292 | Fax +1 770 497-9391 | shop@murrinc.com | shop.murrinc.com



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   Inserted 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	Mounting method	inserted, screwed
CadingAMatarialPURWath arcos flatisSW13Degree of protection (EN EC 65829)PE65, PE6K, IP67Commercial data27279218ECLASS 6.027279218ECLASS 6.127279218ECLASS 6.127279218ECLASS 6.027606311ECLASS 7.027606311ECLASS 7.027606311Operating voltage AC max.60 VOperating voltage AC Max.	Family construction form	M12
Material     PUF       With across flats     SW13       Degree of protection (EN EC 0529)     IP65, IP67, IP67       Commercial data     2727218       ECLASS 6.0     2727218       ECLASS 7.0     2727031       ECLASS 7.0     27000311       ECLASS 7.0     27000311       ECLASS 7.0     27000311       ECLASS 7.0     27000311       ECLASS 7.0     2000311       Commercial data     5001       Probading valtage AC max.     60 V       Operating valtage AC max.		M12 x 1
Width across fluts     SW13       Degree of protection (EN IEC 60529)     P68, P66K, P67       Commaccial dest     E       ECIASS 6.0     27279218       ECIASS 7.0     27060311       ECIASS 9.0     27060311       ECIASS 10.1     4948978050525       Packaging unit     1       EVErcial dia [Sappy]     U       Operating voltage AC 00x.     60 V       Operating voltage AC 00x.     60 V       Operating voltage AC (UL-liated)     30 V       Correct operating voltage AC (UL-liated)     30 V       Operating voltage AC (UL-liated)     30 V       Correct operating voltage AC (UL-liated)     30 V       Correct operating voltage AC (UL-liated)	Coding	A
Degree of protection (EN IEC 60529)     IP65, IP66K, IP67       Commercial data     FUE       ECLASS-6.0     27279218       ECLASS-6.1     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27270811       ECLASS-7.0     27060311       ECLASS-6.1.0     27060311       ECLASS-6.1.0     2706031       ECLASS-6.1.0     2706031       ECLASS-6.1.0     2706031       ECLASS-6.1.0     ECO00855       catoms tariff number     95444290       GTIN     4048075905025       Prackaging unit     1       Electrical data   Suppit     1       Electrical data   Suppit     1       Operating voltage AC (ML-Isted)     30 V       Current operating voltage AC (ML-Isted)     30 V       Developt operating	Material	
Commercial data       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-7.0     27279218       ECLASS-8.0     27279218       ECLASS-8.0     27260311       ECLASS-8.1     27060311       ECLASS-8.1     27060311       ECLASS-10.1     27060311       ECLASS-11.1     27060311       ECLASS-12.0     27060311       ECLASS 12.0     27060311       ECLASS 12.0     27060311       ECLASS 12.0     2706031       ECLASS 12.0     2706031       ECLASS 12.0     2706031       ECLASS 12.0     2706031       ECLASS 12.0     270		
ECLASS 6.027279218ECLASS 7.027279278ECLASS 7.027279218ECLASS 7.027270218ECLASS 7.027060311ECLASS 7.027060311ETM 7.0484820GTIN4948750525Packaging unit1Entricid atal [SupplyOperating voltage AC max.60 VOperating voltage AC max.60 VOperating voltage COLL-listed)30 VOperating voltage COLL-listed)30 VOperating voltage COLL-listed)30 VCurrent operating voltage COLL-listed)30 VOperating voltage COLL-listed)30 VCurrent operating voltage COLL-listed)30 VEntertion ConnectionInstend, screwedMauring astMt2 x 1Entertion I Electrical1Addition I protection degree1.5 kVMaterial group (IEC 60664-1)1Machael datal Mounting datiTore de-castingMaterial group (IEC 60664-1)1.6 kealingMaterial areaw connectionNickaledMaterial group connection (Electrical25 °CMounting attime (Immedia Group Connection (Immedia Group Connection Installation notesEntrical co	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
ECLASS-6.1     27279218       ECLASS-7.0     27279218       ECLASS-6.0     27279219       ECLASS-9.0     27080311       ECLASS-10.1     27080311       ECLASS-11.1     27060311       ECLASS-12.0     27090311       ECLASS-12.0     27090311       ECLASS-11.1     27060311       ECLASS-12.0     270903155       cautoms tariff number     8544259       Cautoms tariff number     80 V       Operating voltage AC max.     60 V       Operating voltage AC max.     60 V       Operating voltage AC (UL-listed)     30 V       Additional condition protection degree     inserted, screwed       Polution Degree     3	Commercial data	
ECLASS-7.0     27279218       ECLASS-8.0     27279218       ECLASS-8.0     27279218       ECLASS-8.0     27060311       ECLASS-10.1     27060311       ECLASS-10.2     27060311       ECLASS-10.2     27060311       ECLASS-12.0     27060311       ETM-5.0     EC001855       cuatoms taiff number     8544290       GTIN     404897950525       Packaging unit     1       Electrical data   Supply     Operating voltage AC max.       Operating voltage AC max.     60 V       Operating voltage AC max.     60 V       Operating voltage AC (UL-Isted)     30 V       Current operating voltage AC (UL-Isted)     30 V       Current operating voltage AC (UL-Isted)     30 V       Current operating voltage AC (UL-Isted)     30 V       Editional condition protection degree     inserted, screwed       Policition protection felectrical     Haterial screwed       Policition policition degree     inserted, screwed       Policition policition degree     inserted, screwed, Shaking protection       Editional Condition protection i Keled     <	ECLASS-6.0	27279218
ECLASS-8.0     27278218       ECLASS-9.0     27060311       ECLASS-9.0     27060311       ECLASS-1.1     27060311       ECLASS-12.0     27070311       ELECLASS-12.0     20 V       Operating voltage DC Max.     60	ECLASS-6.1	27279218
E0LASS-8.0     27060311       E0LASS-10.1     27060311       E0LASS-10.1     27060311       ECLASS-11.1     27060311       ECLASS-12.0     27060311       Cations taff     404867506925       Packaging unit     1       Electrical data [Suppiy     0       Operating voltage C (UL-listed)     30 V       Carrent operating voltage C (UL-listed)     30 V       Carrent operating voltage C (UL-listed)     30 V       Carrent operating romotection degree     inserted. screwed       Pollution Degree     3       Additional condition protection degree     inserted. screwed       Pollution Degree     3<	ECLASS-7.0	27279218
ECLASS-10.1     27060311       ECLASS-12.0     27060311       ECLASS-12.0     27060311       ETM-5.0     EC001855       customs tariff number     85444290       GTN     4048873505925       Packaging unit     1       Electrical data   Supply        Operating voltage AC max.     60 V       Operating voltage DC max.     60 V       Corrent operating per contact max.     4 A       Installation   Connection     30 V       Mouning set     M12 x 1       Device protection   Electrical        Additional condition protection degree     inserted, screwed       Polution Degree     3       Rated surge voltage     1,5 kV       Material grad functional data     Janc die-casting       Machinal data   Material data     Unc die-casting       Machinal data   Mounting data <t< td=""><td>ECLASS-8.0</td><td>27279218</td></t<>	ECLASS-8.0	27279218
ECLASS-11.1 27060311   ECLASS-12.0 27060311   ECLASS-12.0 EC001655   customs tariff number 85444290   GTIN 404879505925   Packaging unit 1   Electrical data   Supply 0   Operating voltage AC max. 60 V   Operating voltage AC max. 60 V   Operating voltage AC max. 60 V   Operating voltage AC (LU-listed) 30 V   Operating voltage AC (LU-listed) 30 V   Operating voltage AC (LU-listed) 30 V   Current operating voltage AC (LU-listed) 30 V   Operating voltage AC (LU-listed) 30 V   Current operating per contact max. 4 A   Mounting set M12 x 1   Device protection   Electrical   Addition protection degree inserted, screwed   Pollution Degree 3   Rated aurge voltage 1,5 kV   Material group (EC 6064-1) 1   Material group (EC 6064-1) 1   Mechanical data   Material data Zinc die-casting   Material group (EC 6064-1) 1   Material group (EC 6064-1) 1   Material group (EC 6064-1) 1   Mechanical data   Mounting data Zinc die-casting   Material group (EC 606	ECLASS-9.0	27060311
ECLASS-12.0     27060311       ETIM-5.0     EC001855       castoms tariff number     85444290       GTIN     4048879505925       Packaging unit     1       Electrical data [ Supply     Operating voltage AC max.       Operating voltage AC max.     60 V       Operating voltage AC max.     60 V       Operating voltage AC max.     60 V       Operating voltage AC (Listed)     30 V       Operating per contact max.     4 A       Installation [ Connection     4 A       Additional condition protection degree     inserted, screwed       Policiton Degree     3       Rated surge voltage     1,5 kV       Material argonic (EC 60664-1)     1       Mechanical data [ Material dat     Costing locking       Costing locking     Nickoled       Costing of fitting     nickel plated       Locking method     inserted, screwed, Shaking protection       Metrial screw connection     Zinc die casting       Material screw connection     Zinc die casting       Material screw connection     Zinc die casting       Mounting method     inse	ECLASS-10.1	27060311
ETIM-5.0 EC001855   customs tariff number 85444280   GTIN 4048879505255   Packaging unit 1   Electrical data   Supply    Operating voltage AC max. 60 V   Operating voltage AC (UL-listed) 30 V   Current operating per contact max. 4 A   Installation   Connection Mounting set   Mounting set M12 x 1   Device protection   Electrical Serveed   Additional condition protection degree inserted, screwed   Pollution Degree 3   Rated surge voltage 1,5 kV   Material group (IEC 60664-1) 1   I Mechanical data   Material data   Coading of fitting nickel plated   Locking material Zinc die-casting   Material screw connection Zinc die-casting   Mechanical data   Mounting data Kinck alge protection   Environmental characteristics   Climattc Comenting temperature min.   Operating temperature max. 85 °C   Operating temperature max. 85 °C	ECLASS-11.1	27060311
customs tariff number     85444290       GTIN     4048879505925       Packaging unit     1       Electrical dia [Supply     Electrical dia [Supply       Operating voltage AC max.     60 V       Operating voltage DC max.     60 V       Operating voltage DC (UL-listed)     30 V       Operating per contact max.     4 A       Installation [Connection     Installation [Connection Electrical       Device protection [Electrical     M12 x 1       Device protection [Electrical     Stallation [Connection Electrical       Additional condition protection degree     inserted, screwed       Politation Degree     3       Rated surge voltage     1, 5k V       Material group [Lec Go664-1]     1       Mechanical data [Material data     Coating of fitting       Coating of fitting     nickeled       Coating of fitting     nickeled       Coating of titting     inserted, screwed, Shaking protection       Material arou: [Lecking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method	ECLASS-12.0	27060311
GTIN 4048879505825   Packaging unit 1   Electrical data   Supply    Operating voltage AC max. 60 V   Operating voltage AC (UL-listed) 30 V   Operating voltage AC (UL-listed) 30 V   Operating voltage AC (UL-listed) 30 V   Current operating per contact max. 4 A   Installation   Connection    Mounting set M12 x 1   Device protection   Electrical    Additional condition protection degree 3   Rated surge voltage 1,5 kV   Material group (IEC 60684-1) 1   Mechanical data   Material data    Coating locking Nickeled   Coating locking Nickeled   Coating locking nickel plated   Locking material Zinc die-casting   Mounting method inserted, screwed, Shaking protection   Environmental characteristics   Climatic    Operating temperature min. -25 °C   Operating temperature min. -25 °C   Operating temperature min. -25 °C   Operating temperature max. 85 °C   Additional condition temperature max. 85 °C   Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the us	ETIM-5.0	EC001855
Packaging unit   1     Electrical data   Supply   Operating voltage AC max.   60 V     Operating voltage AC (UL-listed)   30 V   Operating voltage AC (UL-listed)     Operating voltage AC (UL-listed)   30 V   Operating procontact max.   4 A     Installation   Connection   M12 x 1   Device protection   Electrical     Additional condition protection degree   inserted, screwed   Pollution Degree   3     Rated surge voltage   1,5 kV   Material group (IEC 60664-1)   I     Mechanical data   Material data   Zinc die-casting   Coating locking   Nickeled     Coating locking   Nickeled   Zinc die-casting   Mechanical data   Mounting data     Methanical data   Mounting data   Inserted, screwed, Shaking protection   Environmental characteristics   Climatic     Operating interporture mix.   -25 °C   Operating temperature mix.   85 °C     Additional condition temperature mix.   85 °C   Operating temperature mix.   85 °C     Additional condition temperature mix.   85 °C   Operating radius   Attention: Observe the parmissible bending radii when laying cables, as the IP protection class can be endangered by excessive bunding forces.     Operating temperature mix.   85 °C	customs tariff number	85444290
Electrical data   Supply     Operating voltage AC max.   60 V     Operating voltage DC max.   60 V     Operating voltage DC (UL-listed)   30 V     Current operating per contact max.   4 A     Installation   Connection   Material Science     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1     Mechanical data   Material data   Coating locking     Coating locking   Nickeled     Coating locking   Nickeled     Coating locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Material screw connection tegree   65 °C     Additional condition tegree/ature min.   -25 °C     Operating temperature min.   -25 °C     Operating temperature min.   -25 °C <t< td=""><td>GTIN</td><td>4048879505925</td></t<>	GTIN	4048879505925
Operating voltage AC max.     60 V       Operating voltage AC max.     30 V       Operating voltage AC max.     4 A       Installation   Connection     Installation   Connection       Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 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 characteristis   Climatic     Comperating maperature max.       Operating memperature max.     85 °C       Additional condition Imperature range     depending on cable quality       Important installation notes     Atten	Packaging unit	1
Operating voltage DC max.     60 V       Operating voltage AC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation   Connection     Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree     inserted, screwed       Pollution Degree     3     Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     i     I     Mechanical data   Material data       Coating of fitting     nickel plated     Locking material     Zinc die-casting       Material screw connection     Zinc die-casting     I     Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection     Environmental characteristics   Climatic       Operating temperature max.     85 °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 strain relief <td< td=""><td>Electrical data   Supply</td><td></td></td<>	Electrical data   Supply	
Operating voltage DC max.     60 V       Operating voltage AC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation   Connection     Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree     inserted, screwed       Pollution Degree     3     Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     I     I     Mechanical data   Material data       Coating of fitting     nickel plated     Locking material     Zinc die-casting       Material screw connection     Zinc die-casting     Inserted, screwed, Shaking protection       Mechanical data   Mounting data     Inserted, screwed, Shaking protection     Environmental characteristics   Climatic       Operating memperature 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 excessive bending forces.	Operating voltage AC max.	60 V
Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation   Connection     Mounting set       Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     I       Mechanical data   Material data     Coating locking       Coating locking     Nickeled       Coating locking     Nickeled       Coating locking     Nickeled       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature max.       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional conditin motes     Note on strain relief		
Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation   Connection     Mul2 x 1       Device protection   Electrical     M12 x 1       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 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 (TeC formatics)     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 min.     -25 °C     Qerating 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		
Current operating per contact max.   4 A     Installation   Connection     Mounting set   M12 x 1     Device protection   Electrical     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 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 on the data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature min.   -25 °C     Operating temperature min.   -25 °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 fraces.     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.     Note on bending radius   Attention:: Observe the perm		
Installation   Connection       Mounting set     M12 x 1       Device protection   Electrical     Inserted, screwed       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1.5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Inserted, screwed       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       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     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 b		
Mounting set     M12 x 1       Device protection   Electrical     Inserted, screwed       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     I       Mechanical data   Material data     Inserted, screwed       Coating locking     Nickeled       Coating locking     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 on cable quality       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition netwoers the somectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     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.		
Device protection   Electrical       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 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       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coating temperature main.       -25 °C     Operating temperature max.       05 °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		N101
Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1     Mechanical data   Material data	-	M12 X 1
Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1     Mechanical data   Material data   Image: Control of Street Stre		
Rated surge voltage   1,5 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   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   DIN EN 61076-2-101 (M12)		
Material group (IEC 60664-1)   I     Mechanical data   Material data   Coating locking   Nickeled     Coating locking   nickel plated   Locking material   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   Mounting method   Moute 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   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     Mechanical data   Mounting data   Mounting method     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   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 lockingNickeledCoating of fittingnickel platedLocking materialZinc die-castingMaterial screw connectionZinc die-castingMechanical data   Mounting dataInserted, screwed, Shaking protectionMounting methodinserted, screwed, Shaking protectionEnvironmental characteristics   ClimaticOperating temperature min. depending on cable qualityOperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityImportant installation notesAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.ConformityDIN 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   mounting method     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.     Conformity   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     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   DIN EN 61076-2-101 (M12)	Coating locking	Nickeled
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   Inserted 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	Coating of fitting	nickel plated
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   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)	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   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	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	
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)	Mounting method	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   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)	-	
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)	· ·	
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)		
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)		
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)		
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)	Important installation notes	
Note on behaling radius 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	
	Conformity	
	Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	Installation   Cable	

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: 2024-05-21

Murrelektronik Inc. | 1327 Northbrook Parkway, Suite 460 | Suwanee, GA 30024 | Fon +1 770 497-9292 | Fax +1 770 497-9391 | shop@murrinc.com | shop.murrinc.com



wire arrangement	brown, black, blue, white
Cable identification	641
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	80 %
Banding	Fleece, Foil
wire arrangement	brown, black, blue, white
Cable weigth	50,6 g/m
Material jacket	PUR
	90 ± 5 Shore A
Shore hardness jacket	
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	5,3 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	4
Outer diameter insulation	1,25 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)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 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	4,8 A
Electrical resistance line constant wire	57 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	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	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min
I UISIUII SPEEU	55 Cycles/IIIII

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: 2024-05-21

Murrelektronik Inc. | 1327 Northbrook Parkway, Suite 460 | Suwanee, GA 30024 | Fon +1 770 497-9292 | Fax +1 770 497-9391 | shop@murrinc.com | shop.murrinc.com