

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

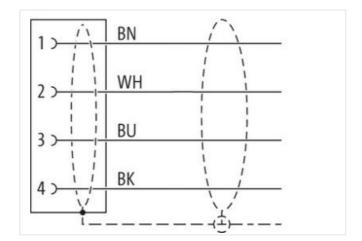
PUR 4x0.34 shielded gy UL/CSA+drag ch. 5m

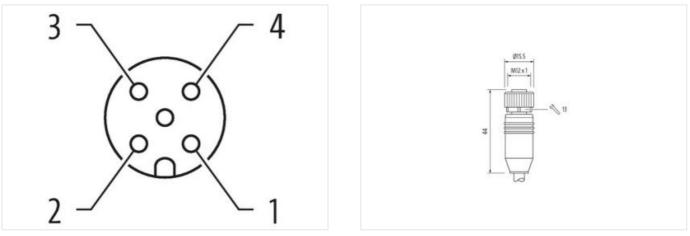
Female straight M12, 4-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## 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: 2024-05-02

5 m

0,6 Nm

Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.com | shop.murrelektronik.com



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       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         Product standard       DIN EN 61076-2-101 (M12)	Mounting method	inserted, screwed
CadingAMaturialPURWeth arcoss flaisSW13Degree of protection (EN EC 60529)PES. (PBG.Commercial data27278218ECLASS-6.027278218ECLASS-6.127278218ECLASS-6.027278218ECLASS-6.027278218ECLASS-6.027278218ECLASS-6.027278218ECLASS-6.027278218ECLASS-6.027278218ECLASS-6.02705031ECLASS-6.02705031ECLASS-7.02705031ECLASS-7.02705031ECLASS-1.12706031ECLASS-1.12706031ECLASS-1.02706031ECLASS-1.02706031ECLASS-1.02706031ECLASS-1.02706031ECLASS-1.02706031Consolve Saff Purple2707979Optimal mundre8544290CITN404879434119Paickargo und1Paickargo und1Paickargo und80 VOperating voltage AC max.80 VOperating voltage AC (Luisted)30 VCurrent operating voltage AC (Luisted)30 VOperating voltage AC (Luisted)30 VCurrent operating voltage AC (Luisted)30 VOperating voltage AC (Luisted)30 VAtternation operation words3Pailation Connection1Material screw ACPoliticon ACPoliticon Degree3Pailat screw ACPoliticon ACCoating of filingNickalid<	Family construction form	M12
Material         PLR           Widh acrose flats         SW13           Degree of prolection (EN EC 60528)         PP6, FP67.           Connectial data         E           ECILASS 6.0         27278218           ECILASS 7.0         272680311           ECILASS 7.1         27060311           ECILASS 7.2.0         27060311           ECILASS 7.2.0         2706031           ECILASS 7.2.0         2706031           Control of S         Control SC           Control of SC         Control SC           Control of SC         Control SC           Control of SC AC Control SC         Control SC           Operating voltage DC Control SC         SO V           Operating voltage DC Control SC         Control SC           Control of SC AC Control SC         SO V           Operating voltage DC Control SC         Control SC           Control operating voltage DC Control SC		M12 x 1
Widh acrose flats         SW13           Dagron of protocion (EN IEC 60529)         PR0, PF0K, IP67           Commecial des         E           EGLASS 6.0         22727818           ECLASS 7.0         27727818           ECLASS 7.0         27727818           ECLASS 7.0         27727818           ECLASS 7.0         27727818           ECLASS 7.0         277000311           ECLASS 7.0         27000311           ECLASS 1.0         2700031           Ecleticl at 1 Suppt <td>Coding</td> <td>A</td>	Coding	A
Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data         E           ECLASS 6.0         27279218           ECLASS 6.1         27279218           ECLASS 9.0         27270218           ECLASS 9.0         27270218           ECLASS 9.0         272700311           ECLASS 9.0         27060311           ECLASS 10.1         27060311           ECLASS 12.0         27060311           ELASS 12.0         27060311           ELASS 12.0         2706031           ELASS 12.0         27060311           ELASS 13.0         10           Operating voltage C G max.         60 V           Operating voltage C D LLASSED         30 V           Current operating voltage C D LLASSED         30 V<	Material	-
Commercial data           ECLASS-6.0         27278218           ECLASS-7.0         27278218           ECLASS-8.0         27278218           ECLASS 8.0         27278218           ECLASS 8.0         27278218           ECLASS 8.0         27060311           ECLASS 8.10         27060311           ECLASS 10.1         27060311           ECLASS 12.0         27060311           ETM 5.0         ECO01955           Catabra Is Impure         8544290           GTIN         4048879434119           Packaign unit         1           Percenting voltage AC max.         60 V           Operating voltage AC UL-listed         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-lis		SW13
ECLASS 6.027279218ECLASS 7.0272792178ECLASS 7.027279218ECLASS 7.027279218ECLASS 7.027090311ECLASS 7.027090311ECLASS 1.127090311ECLASS 1.127090311ECLASS 1.127090311ECLASS 1.127090311ECLASS 1.127090311ECLASS 1.127090311ECLASS 1.227090311ECLASS 1.227090311Pactagray und1ELECASS 1.22709031Operating valage CC11211ELECASS 1.230 VOperating valage CC11211ELECASS 1.230 VOperating valage CC11211ELECASS 1.212111ELECASS 1.212111ELECASS 1.212111ELECASS 1.212111ELEC	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
EGLASS 6.1         27279218           EGLASS 7.0         27279218           EGLASS 7.0         27279218           EGLASS 9.0         27090311           EGLASS 7.0         27060311           Education of the tite formet of th	Commercial data	
ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0.1         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETM-5.0         EC001585           cuatoms tariff number         B544230           GTIN         404873454119           Packaging unit         1           Electrical data   Supply         Comparing voltage AC max.           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Current operating voltage AC (UL-listed)         30 V           Externation (Connection         Hit x 1           Device protection I Electrical         Electrical data I Not Plate           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1.5 NV	ECLASS-6.0	27279218
ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-11         27060311           ECLASS-12.0         27060311           ECLASS-13.0         27060311           ECLASS-10.0         ECOI0855           cuatoms tarff rumber         8544290           GTIM         40489744119           Peckajng unit         1           Electrad data [ Suppty            Operating voltage DC max.         60 V           Operating voltage DC max.	ECLASS-6.1	27279218
EQLASS-9.0         27060311           EQLASS-10.1         27060311           EQLASS-11.1         27060311           EQLASS-12.0         27060311           EQLASS-12.0         27060311           ETIM.6.0         EC001885           casions taiff number         85444290           GTIN         4048879434119           Packaging unit         1           Electrical dial Supply         Electrical dial Supply           Operating voltage AC max.         60 V           Operating voltage AC (ILL-listed)         30 V           Operating voltage AC (ILL-listed)         30 V           Operating voltage AC (ILL-listed)         30 V           Current operating aper contact max.         4 A           Installation   Connection         Mi12 x 1           Device protection   Electrical         Additiona protection degree           Additional condition protection degree         1, SkV           Material group (IEC 60064-1)         1           Mechanical data   Material data         Zinc die casting           Material group (IEC 60064-1)         1 <t< td=""><td>ECLASS-7.0</td><td>27279218</td></t<>	ECLASS-7.0	27279218
EQLASS-10.1         27060311           EQLASS-11.1         27060311           EQLASS-12.0         27060311           ETM-5.0         EC001855           customs tatiff number         8544290           GTN         4048879434119           Packaging unit         1           Electrical data   Supply            Operating voltage AC max.         60 V           Operating voltage DC max.         4 A           Installation   Connection         30 V           Mounting set         M12 x 1           Device protection   Electrical	ECLASS-8.0	27279218
ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060313           ECLASS-12.0         27060314           ECLASS-12.0         EC001855           customs tariff number         85444290           GTIN         404867434119           Packaging unit         1           Electrical data   Supply         0           Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Outing per contact max.         4 A           Material condition protection degree         inserted, sorewed           Polution Degree         3           Rated surge voltage         1,5 kV           Material group (ICC 60664-1)         I           Mechanical data   Material data         Zinc die- cacling           Material group (ICC 60664-1)         I           Mechanical data	ECLASS-9.0	27060311
ECLASS-12.0         27060311           ETIM-5.0         EC001985           pastoms tariff number         85444200           GTIN         4048879434119           Packaging unit         1           Electrical data [ Supply	ECLASS-10.1	27060311
ETIM-S.0         EC001885           customs tariff number         85444290           GTIN         404887944119           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         M12 x 1           Device protection   Electrical            Additional condition protection degree         inserted, screwed           Pollution Degree         3           Reted surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Meterial data            Coating of timp         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         inserted, screwed, Shaking protection           Evitorometral characteristics   Climatic         Zinc die-casting           Mounting metrial         Zinc die-casting           Mounting	ECLASS-11.1	27060311
customs tariff number         85444290           GTIN         4048879434119           Packaging unit         1           Electrical datal Supply         60 V           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating operating per contact max.         4 A           Installion I Connection         W12 x 1           Device protection I Electrical         Device protection I Electrical           Additional condition protection degree         instarted, screwed           Pollution Dagree         3           Rated surge voltage         1,5 kV           Material arout (Eo 6664-1)         1           Mechanical data   Material data         Zinc die-casting           Coating focking         Nickeled           Coating locking         Zinc die-casting           Material sore voonnection         Zinc die-casting           Mechanical data   Mounting data         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Cooling           Operating lemperature may.         2 nc die-casting           Material sore voonnection <td< td=""><td>ECLASS-12.0</td><td>27060311</td></td<>	ECLASS-12.0	27060311
GTIN     4048879434119       Packaging unit     1       Electrical data   Supply        Operating voltage AC max.     60 V       Operating voltage AC max.     60 V       Operating voltage AC max.     60 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 6064-1)     1       Mechanical data   Material data        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     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tles.       Note on strain relief     Protect the con	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 voltage DC (UL-listed)         Operating voltage DC (UL-listed)       30 V       Operating voltage DC (UL-listed)         Operating per contact max.       4 A       Installation   Connection         Mounting set       M12 x 1       Device protection   Electrical         Additional condition protection degree       inserted, screwed       Pollution Degree         Palution Degree       3       Rated surge voltage       1,5 kV         Material group (EC 60684-1)       1       Image: Condition protection degree       1         Mechanical data   Material data       Zinc die-casting       Coating locking       Nickeled         Coating locking       Nickeled       Coating of fitting       Nickeled       Coating locking       Zinc die-casting         Mechanical data   Mounting data       Zinc die-casting       Mechanical data   Mounting data       Coating on cable quality       Coating on cable quality         Mounting method       inserted, screwed, Shaking protection       Environmental characteristics   Climatic       Coating on cable quality       Coating on cable quality </td <td>customs tariff number</td> <td>85444290</td>	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           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Molt 2 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)         I           Mechanical data   Moterial data         Zinc dire-casting           Coating locking         Nickeled           Coating locking         Nickeled           Coating colding material         Zinc dire-casting           Material screw connection         Zinc dire-casting           Material screw connection         Zinc dire-casting           Material premorature min.         -25 °C           Operating temperature min.         -25 °C           Operating temperature max.         86 °C           Additional condition temperature range         depending on cable quality           Important Installation notes	GTIN	4048879434119
Operating voltage AC max.         60 V           Operating voltage AC 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         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)         I           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         Si ° C           Operating memperature main.         -25 ° C           Operating temperature main.         85 ° G           Additional condition temperature range         depending on cable quality           Important installation notes	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 60684-1)         1         Inserted, screwed         Mounting for thing           Coating locking         Nickeled         Mickel plated         Coating of fitting         Inckel plated           Coating of fitting         nickel plated         Coating of fitting         Inckel plated         Coating           Coating ing temperature max.         85 °C         Operating temperature max.         85 °C         Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality         Important installation notes         Attention: Observe the permissible bending radii when laying cables, e.g. by the usage of cable ties.           Additional condition temperature range         depending on cable quality         Important installation notes         Atten	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)         1         Inskel plated         Coating of fitting           Coating locking         Nickeled         Nickeled         Coating of fitting           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           Operating temperature main.         -25 °C         Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality         Important Installation notes           Note on strain relief         Protect	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         inserted, screwed           Pollution 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           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 range         depending on cable quality           Important Installation notes         Attention: O		
Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Mutx 1           Device protection   Electrical         M12 x 1           Device protection   Electrical         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 at Mounting data         Mechanical data   Mounting data           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         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending froces.           Conformity         Protect standard		
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 (IEC 40664.1)       Zinc die-casting         Mounting 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.         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.		
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           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 suitable measures from mechanical loads, e.g. by the usage of cable		
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         Vickeled           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           Polirating temperature min.         -25 °C           Operating temperature max.         85 °C           Additinal condition temperature range         depending on cable quality           Important installation notes         Note on bending radius when laying cables, 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		
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 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		
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       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       S° C         Operating temperature min.       -25 °C         Operating temperature range       depending 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.         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)		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	Device protection   Electrical	
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         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.         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)	·	inserted, screwed
Material group (IEC 60664-1)       I         Mechanical data   Material data       Vickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       Note on strain relief         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         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         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         Note on strain relief           Note on bending radius         Attertion: 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)		1,5 kV
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 min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityImportant installation notesProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note 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.ConformityPIN 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.         85 °C       Additional condition temperature range         depending on cable quality       Important installation notes         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Conformity       DIN EN 61076-2-101 (M12)	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.         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       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       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         Product standard       DIN EN 61076-2-101 (M12)	Coating of fitting	nickel plated
Mechanical data   Mounting data         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 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)	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       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)	· ·	25 %
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)		
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       Product standard       DIN EN 61076-2-101 (M12)	Important installation notes	
Note on bending 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	

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: 2024-05-02

Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.com | shop.murrelektronik.com



Cable identification	241
Cable Type	3
Jacket Color	gray
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
Shore hardness jacket	90 ± 5 Shore A
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
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Electrical resistance line constant wire	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
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	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
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 30 °/m

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: 2024-05-02

Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.com | shop.murrelektronik.com