

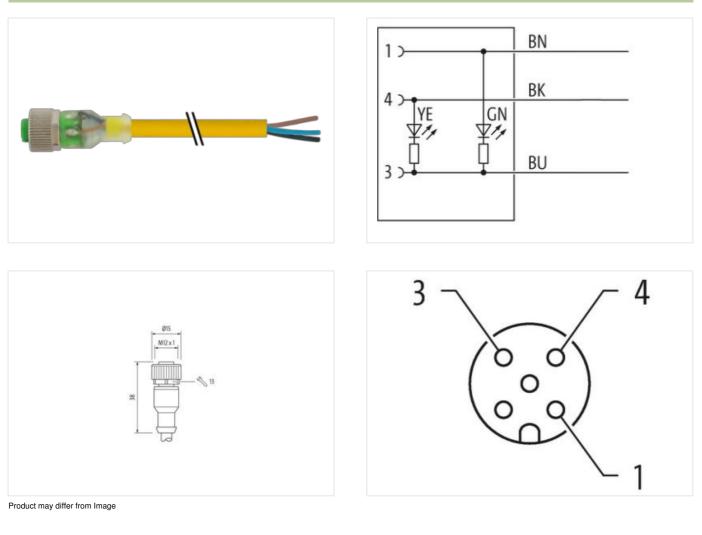
## M12 female 0° A-cod. with cable LED

PVC 3x0.34 ye UL/CSA 7.5m

Female straight M12, 3-pole 2× LED (PNP) Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request 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





7,5 m

0,6 Nm

Cable length

Side 1

Tightening torque

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-26

Murrelektronik GmbH | Office Park 4, 4.OG/Top A.45 | 1300 Wien-Flughafen | Fon +43 1 706 45 25-0 | Fax +43 1 706 45 25-300 | shop@murrelektronik.at | shop.murrelektronik.at



Funkty construction form       M12         Treaded       M12 × 1         addiable for corrugated lube (interval (b)       10 mm         Coding       A         Matecial       PUH         With accose fluts       SW13         Degrate of protection (SEEC 00529)       POS, IP60, IP67         Commercial data       27278718         ECLASS 6.0       27278718         ECLASS 7.0       27278718         ECLASS 7.0       27278718         ECLASS 7.0       27090311         <	Mounting method	inserted, screwed
satiable for comparied tube (internal 0)       10 mm         Coding       A         Maxinal       PUR         With across flats       SW13         Degree of protocine (IN IEC 60059)       IP66, IP67.         Commercial data       E         ECLASS 6.0       2773218         ECLASS 7.0       27702011         ECLASS 7.0       27000311         ECLASS 7.0       27001055         Exercicla data [Suppoint]       1         Portaring vola	Family construction form	M12
Cading       A         Material       PUR         Material       PUR         With across flats       SW13         Dagree of protection (EN EG 60528)       IPSE, IPS6K, IPS7         Commercial class       E         ECLASS 6.0       27279218         ECLASS 7.0       27278218         ECLASS 8.0       27279219         ECLASS 8.0       27279219         ECLASS 8.1       27060311         ECLASS 8.1       27060311         ECLASS 8.1.0       27060311         ECLASS 8.1.0       27060311         ECLASS 8.1.0       27060311         ECLASS 8.1.0       27060311         ECLASS 9.1.0       27060311         ECLASS 9.1.0       27060311         ECLASS 9.1.0       27060311         ECLASS 9.1.0       27080311         ECLASS 9.1.0       27080311         ECLASS 9.1.1       27060311         ECLASS 9.1.1       27060311         ECLASS 9.1.1       27060311         ECLASS 9.1.1       1         Decentral workings 0.0       24 V         Operating workings 0.0       30 V         Coreant	Thread	M12 x 1
Material       PUR         With across flats       SW13         Degree of protection (EN EC 60229)       IP66, IP67.         Commercial data       ECLASS-6.0         ECLASS-6.0       27279218         ECLASS-7.0       27279218         ECLASS-7.0       27279218         ECLASS-7.0       27279218         ECLASS-7.0       27279218         ECLASS-7.0       27090311         ECLASS-7.0       27090311         ECLASS-7.0       27090311         ECLASS-7.0       27090311         ECLASS-7.0       27090311         ECLASS-7.0       27090311         ECLASS-7.0       ECON1055         Countors taff numbar       8544290.         GTM       404897821053         Packaging unt       1         Electrical at Supply       Electrical at Supply         Operating valtage DC max.       30 V         Operating valtage DC max.       30 V         Operating valtage DC max.       4 A         Diagnostics       Electrical at Supply         Installation I Connection       M12 × 1         Device protection I Electrical       M22 × 1	suitable for corrugated tube (internal $\emptyset$ )	10 mm
With across flats       SWI3         Dagma of protection (EN EC 60529)       PB65, PF66K, PF7         Commercial das       E         ECI, ASS 6.0       2279218         ECI, ASS 7.0       2279218         ECI, ASS 7.0       2279218         ECI, ASS 8.0.1       27000311         ECI, ASS 8.0       27000311         ECI, ASS 7.0       E0001855         automs striff umber       8544290         GTIN       4048721553         Packagn punit       1         Electrical data [ Supply       C         Operating voltage DC       24 V         Operating voltage DC max.       30 V         Current operating part content traus.       4 A         Degroefic       green, yellow         Installion / Co	Coding	Α
Degree of protection (EN IEC 60529)       IP65, IP66K, IP67         Commercial data	Material	PUR
Commercial data       EDLASS 6.0       27279218         ECLASS 7.0       27279218       27279218         ECLASS 7.0       27279218       27279218         ECLASS 7.0       27279218       27060311         ECLASS 7.0       27060311       27060311         ECLASS 1.0       27060311       27060311         ECLASS 1.1       27060311       27060311         ECLASS 1.2       27060311       27060311         ECLASS 1.2       27060311       27060311         ECLASS 1.2       27060311       27060311         ECLASS 1.2       27060311       27060311         ETM 5.0       EC001885       27060311         Oparating voltage DC       24 V       200631         Oparating voltage DC       24 V       200631         Oparating voltage DC max.       30 V       200631         Oparating voltage DC max.       30 V       200631         Oparating voltage DC max.       4A       30 V	Width across flats	SW13
ECLASS-6.0       27278218         ECLASS-7.0       27278218         ECLASS-7.0       27278218         ECLASS-8.0       27278218         ECLASS-8.0       2729218         ECLASS-7.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       2706031         ECLASS-13.0       ECOM855         castam staff number       85444200         GTIN       4048873210553         Packaging unit       1         Electrical data   Suppty	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         Osebron tailf number       6544290         GTIN       4048879210653         Packagn unt       1         Elecrical dial Suppy       Corrating voltage DC         Operating voltage DC max.       30 V         Operating voltage DC max.       30 V         Operating voltage DC max.       30 V         Operating voltage DC max.       4 A         Diagnostic       E         Status indication LED       green, yellow         Insultation I Connection       Mort 1         Polica Diagnostic       E         Additional condition protection degree       inserted, screwed         Politation Diagne       3         Reted surge voltage       0.8 kV         Material group (EC 60664-1)       1         Mechanici data   Material data       Cone d	Commercial data	
ECLASS-8.0   27279218     ECLASS-9.0   27060311     ECLASS-10.1   27060311     ECLASS-11.1   27060311     ECLASS-12.0   27060311     ECLASS-13.0   EC001855     Caster Staff Humber   95444290     GTIN   404887921053     Packaging unit   1     Electrical data   Supply      Operating voltage DC   24 V     Operating voltage DC max.   30 V     Operating voltage DC max.   4 A     Diagnostics      Status indication LED   green, yellow     Installation   Connection      Mouning set   M12 x 1     Device protection   Electrical      Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   0.8 kV     Material group (EC 6064-1)   1     Material group (EC 6064-1)   1     Mechanical data   Mounting data   inserted, screwed,	ECLASS-6.0	27279218
ECLASS-8.0   27060311     ECLASS-10.1   27060311     ECLASS-10.1   27060311     ECLASS-12.0   27060311     ECLASS-12.0   27060311     ETM-5.0   EC001865     calstms tarff number   8544290     GTIN   4048879210653     Packaging unit   1     Electrical dial Supply   Coperating voltage DC     Operating voltage DC max.   30 V     Operating voltage DC max.   30 V     Operating voltage DC max.   4 A     Diagnostic   Status indication LED     green, yellow   Installedion I Connection     Mounting set   M12 x 1     Device protection [Electrical data] Supply     Additional condition protection degree   instried, screwed     Pollution Degree   3     Rated surge voltage   0.8 kV     Material graup (EC 60664-1)   1     Material graup (EC 6	ECLASS-7.0	27279218
ECLASS-10.1       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001655         customs tariff number       6544290         GTIN       40485721053         Packaging unit       1         Eterrical data [Supply	ECLASS-8.0	27279218
ECLASS-11.1     27060311       ECLASS-12.0     27060311       ECLASS-12.0     EC001655       customs tariff number     85444290       GTIN     404879210553       Packaging unit     1       Electrical data   Supply     Perating voltage DC       Operating voltage DC main.     18 V       Operating voltage DC main.     30 V       Operating voltage DC main.     30 V       Operating voltage DC main.     30 V       Operating voltage DC main.     4 A       Diagnostics     Status indication LED       Installation   Connection     green, yellow       Installation   Connection     M12 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     3       Rated starge voltage     0.8 kV       Material ators (CE 6064-1)     1       Mechanical data   Material data     Zinc die-casting       Material acrew connection     Zinc die-casting       Material	ECLASS-9.0	27060311
ECLASS-12.0   27660311     ETIM-5.0   EC001855     oustoms tairfl number   8544290     GTIN   4048679210553     Packaging unit   1     Electrical data [Supply   Operating voltage DC     Operating voltage DC   24 V     Operating voltage DC max.   30 V     Operating voltage DC max.   30 V     Operating voltage DC max.   4 A     Diagnostics   Estatus indication LED     green, yellow   Installation [Connection     Mounting set   M12 x 1     Develop rotection   Electrical   Additional condition protection degree     Additional condition protection degree   3     Rated surge voltage   0.8 kV     Material group (EC 68684-1)   1     Mechanical data   Material data   Znc die-casiing     Material group (EC 68684-1)   1     Mechanical data   Material data   Znc die-casiing     Material group (EC 68684-1)   2 rue die-casiing     Material group (EC 68684-1)   Znc die-casiing     Material serve connection   Znc die-casiing     Material serve connection   Znc die-casiing     Material group (EC 68684-1)   Znc die-casiing     Material serve connection   Znc die-casiing     Material serve connection   Znc die	ECLASS-10.1	27060311
ETIM-5.0     EC001885       customs tariff number     85444290       GTIN     4048879210553       Packaging unit     1       Electrical data   Supply        Operating voltage DC     24 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Operating voltage DC max.     4 A       Diagnostic        Status indication LED     green. yellow       Installation I Connection     M12 x 1       Device protection I Electrical     Journal operating voltage DC max.       Additional condition protection degree     inserted, sorewed       Pollution Degree     3       Rated surge voltage     0.8 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Zinc die-casting       Material group (IEC 60664-1)     1       Material group (IEC 60664-1)     1       Mechanical data   Mounting method     inserted, sorewed, Shaking protection       Coating of fing     nickel plated       Locking material     Zinc die-casting       Material group (IEC 60664-1)     Zinc di	ECLASS-11.1	27060311
customs tartiff number     85444290       GTIN     4048679210553       Packaging unit     1       Electrical data   Supply        Operating voltage DC     24 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Operating voltage DC max.     4 A       Diagnostics        Status indication LED     green, yellow       Installation   Connection        Mounting set     M12 x 1       Device protection   Electrical        Additional condition protection degree     3       Polution Degree     3       Rated surge voltage     0,6 kV       Material group (ICE 60664-1)     1       Mechanical data   Material data     Casting locking       Coating locking     Nickeled       Coating locking     Nickeled       Coating locking     Zinc die- casting       Material screw connection     Zinc die- casting       Material screw connection     Zinc die- casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristi	ECLASS-12.0	27060311
GTIN   4048879210553     Packaging unit   1     Electrical data   Supply   0     Operating voltage DC   24 V     Operating voltage DC max.   30 V     Operating voltage DC max.   30 V     Operating voltage DC max.   30 V     Operating voltage DC max.   4 A     Diagnostics   0     Status indication LED   green, yellow     Installation   Connection   0     Mounting set   M12 x 1     Device protection   Electrical   0.8 kV     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 filting     Coating of filting   nickel plated     Locking material   Zine die-casting     Material screw connection   Zine die-casting     Muonting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating     Operating temperature min.   -25 °C     Operating temperature min.   <	ETIM-5.0	EC001855
Packaging unit     1       Electrical data   Supply     24 V       Operating voltage DC     24 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Current operating voltage DC max.     30 V       Current operating per contact max.     4 A       Diagnostice     Status indication LED     green, yellow       Installation   Connection     monthly     Monthly       Mounting set     M12 x 1     Device protection   Electrical       Additional condition protection degree     inserted, screwed     Polution Degree     3       Rated surge voltage     0.8 kV     Material group (IEC 606664-1)     1       Mechanical data   Material data     Coating locking     Nickeled     Coating locking       Coating locking     Nickeled     Coating locking     Mickel ad     Coating locking       Material screw connection     Zinc die-casting     Material screw connection     Zinc die-casting       Material screw connectories   Elematic     Coating locking     Coating locking     Coating locking       Mounting method     inserted, screwed, Shaking protection     Coating locking     Coating locking       Material screw connectio	customs tariff number	85444290
Electrical data   Supply         Operating voltage DC       24 V         Operating voltage DC max.       30 V         Operating voltage DC max.       30 V         Operating voltage DC max.       30 V         Operating voltage DC max.       4 A         Diagnostics          Status flocation LED       green, yellow         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 (EG 60684-1)       1         Mechanical data   Material data          Coating locking       Nickeled         Coating of fitting       nickel plated         Locking method       inserted, screwed, Shaking protection         Material group preserve connection       Zinc die-casting         Material group preserve connection       Zinc die-casting         Material screw connection       Zinc die-casting         Material group preserve connection       Zinc die-casting         Mounting method       inserted,	GTIN	4048879210553
Operating voltage DC       24 V         Operating voltage DC max.       30 V         Operating voltage DC max.       30 V         Operating voltage DC max.       0.V         Current operating per contact max.       4 A         Diagnostics       Status indication LED         Status indication LED       green, yellow         Installation   Connection       M12 x 1         Device protection   Electrical       Additional condition protection degree         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       0.8 kV         Material stroke       Coating locking         Nickeled       Coating locking         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material stroker screwed, Shaking protection       Envertex         Polational condition temperature main.       425 °C         Operating temperature main.       425 °C         Operating temperature main.       425 °C         Operating temperature main.       625 °C         Operating temperature main.       625 °C	Packaging unit	1
Operating voltage DC min.       18 V         Operating voltage DC max.       30 V         Operating voltage DC max.       30 V         Operating voltage DC max.       4 A         Diagnostics       Status indication LED         Status indication LED       green, yellow         Installation   Connection       M12 x 1         Device protection   Electrical       Additional condition protection degree         Additional condition protection degree       3         Rated surge voltage       0.8 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Coating of fitting         Coating of fitting       nickel plated         Locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mounting method       inserted, screwed, Shaking protection         Environmental characteristies   Climatic       -25 *C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       Note on strain relief       Protect the conne	Electrical data   Supply	
Operating voltage DC max.       30 V         Operating voltage DC max.       4 A         Diagnostics       30 V         Status indication LED       green, yellow         Installation   Connection       Mounting set         Mounting set       M12 x 1         Device protection   Electrical       Additional condition protection degree         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       0.8 kV         Material group (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         Material screw connection       Zinc die-casting         Material properature 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	Operating voltage DC	24 V
Operating voltage DC max. (UL-listed)       30 V         Current operating per contact max.       4 A         Diagnostics       Status indication LED       green, yellow         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 60684-1)       1       Mechanical data   Material data         Coating locking       Nickeled       Coating locking         Coating locking       Nickeled       Coating locking         Material group (IEC 60684-1)       1       Mechanical data   Material data         Coating locking       Nickeled       Coating locking         Coating locking       Nickeled       Coating locking         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Qperaling temperature main.       -25 °C         Operaling temperature max.       85 °C       Additional condition temperature range       depending on cable quality         Important insta	Operating voltage DC min.	18 V
Current operating per contact max.     4 A       Diagnostics       Status indication LED     green, yellow       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       Coating locking     Nickeled       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zine die-casting       Material screw connection     Zine die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.       -25 °C     Operating temperature max.       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Nicken or screw response from mechanical loads, e.g. by the usage of cable ties.       Note on strain rel	Operating voltage DC max.	30 V
Diagnostics       Status indication LED     green, yellow       Installation   Connection     Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree     inserted, screwed       Additional condition protection degree     inserted, screwed     Polucion Degree     3       Rated surge voltage     0,8 kV     Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating locking     Nickeled     Mickeled       Coating locking     Nickeled     Coating of fitting     nickel plated     Locking material     Zinc die-casting       Material group method     inserted, screwed, Shaking protection     Mickeled     Mickel	Operating voltage DC max. (UL-listed)	30 V
Status indication LED     green, yellow       Installation   Connection     Muterial       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 of fitting       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Meterial screw connection     Zinc die-casting       Methanical data   Mounting data     Mounting method       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature max.       Ag5 °C     Additional condition 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.	Current operating per contact max.	4 A
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     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 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. <td>Diagnostics</td> <td></td>	Diagnostics	
Mounting set     M12 x 1       Device protection   Electrical     inserted, screwed       Additional condition protection degree     isserted, screwed       Pollution Degree     3       Rated surge voltage     0.8 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating locking       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     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 notes     Source 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.	Status indication LED	green, yellow
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     Mounting method       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.	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 locking       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     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.	Mounting set	M12 x 1
Pollution Degree     3       Rated surge voltage     0,8 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Image: 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     Mounting method       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.       -25 °C     Operating temperature max.       A65 °C     Additional condition temperature range       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.	Device protection   Electrical	
Rated surge voltage     0,8 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating locking     Nickeled       Coating locking     nickel plated     Coating of fitting       Locking material     Zinc die-casting     Material screw connection       Material screw connection     Zinc die-casting     Material screw connection       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.     -25 °C       Operating temperature max.     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.	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)     I       Mechanical data   Material data     Coating locking     Nickeled       Coating of fitting     nickel plated     Coating of fitting       Locking material     Zinc die-casting     Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Mounting method     inserted, screwed, Shaking protection     Material screw connection     Sincerted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.     -25 °C     Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality     Important installation notes     Mote on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Pollution Degree	3
Mechanical data   Material data       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Mounting method       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.	Rated surge voltage	0,8 kV
Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       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.	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     Mounting method       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coperating 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 bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Mechanical data   Material data	
Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.       -25 °C     Operating temperature max.       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.	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     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.	Coating of fitting	nickel plated
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     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.		
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.	Material screw connection	-
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.	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       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.	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.	Environmental characteristics   Climatic	
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.	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.	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.	Additional condition temperature range	depending on cable quality
Note on bending radius       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Important installation notes	
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.	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
	Conformity	

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: 2024-06-26

Murrelektronik GmbH | Office Park 4, 4.OG/Top A.45 | 1300 Wien-Flughafen | Fon +43 1 706 45 25-0 | Fax +43 1 706 45 25-300 | shop@murrelektronik.at | shop.murrelektronik.at



Product standard

DIN EN 61076-2-101 (M12)

Installation   Cable	
wire arrangement	brown, black, blue
Cable identification	013
Cable Type	1
Jacket Color	yellow
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Cable weigth	34,1 g/m
Material jacket	PVC
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Outer-diameter (jacket)	4,6 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PVC
Amount wires	3
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	45 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	19
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 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
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   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 (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter

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: 2024-06-26

Murrelektronik GmbH | Office Park 4, 4.OG/Top A.45 | 1300 Wien-Flughafen | Fon +43 1 706 45 25-0 | Fax +43 1 706 45 25-300 | shop@murrelektronik.at | shop.murrelektronik.at