

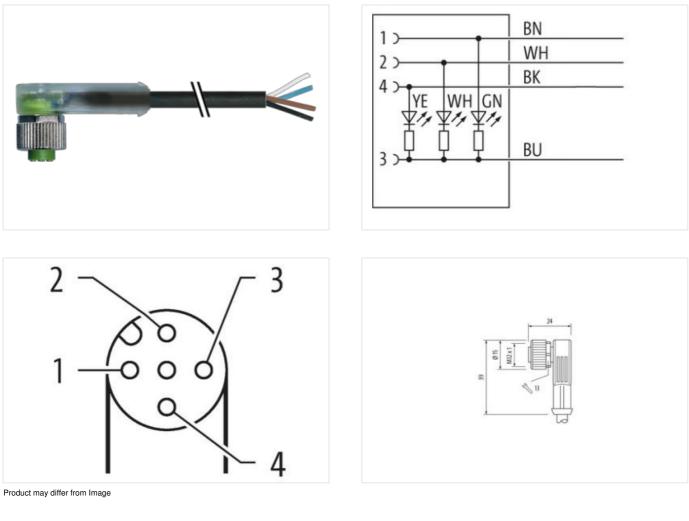
## M12 female 90° A-cod. with cable LED

PVC 4x0.34 bk UL/CSA 1m

Female 90° M12, 4-pole 3× 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





 Cable length
 1 m

 Side 1
 Image: Cable length of the utmost care in this Product-PDE has been compiled with the utmost care information in this Product-PDE has been compiled with the utmost care information in this Product-PDE has been compiled with the utmost care information in this Product-PDE has been compiled with the utmost care information in this Product-PDE has been compiled with the utmost care information in this Product-PDE has been compiled with the utmost care information in this Product-PDE has been compiled with the utmost care information in this Product-PDE has been compiled with the utmost care information in this Product-PDE has been compiled with the utmost care information in this Product-PDE has been compiled with the utmost care information in this Product-PDE has been compiled with the utmost care information in this Product-PDE has been compiled with the utmost care information in this Product-PDE has been compiled with the utmost care information in this Product-PDE has been compiled with the utmost care information in this Product-PDE has been compiled with the utmost care information in this Product-PDE has been compiled with the utmost care information in this Product-PDE has been compiled with the utmost care information in this Product-PDE has been compiled with the utmost care information in the utmost

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

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Funktion         M12           Treased         M12 × 1           subble for corrugated bite (otternal 0)         10 mm           Coding         A           Material         PUR           With accose flats         SW13           Degree of provision (FLR EC 0559)         IP05, IP05, IP07           Connecticid data         Z7076181           ECLASS 6.0         27076181           ECLASS 7.0         2727818           ECLASS 8.0         27076181           ECLASS 8.0         27076181           ECLASS 8.0         27060011           ECLASS 8.0         27060011           ECLASS 8.0         27060011           ECLASS 8.11         27060011           ECLASS 8.2         27060011           ECLASS 8.0         30 V           Operating voltage DC max.         30 V           Connerto	Mounting method	inserted, screwed
satable for corrugated tube (internal (i))     10 mm       Coding     A       Madrial     PUR       Widh across flats     SW13       Degree of protection (FN IEG 60509)     IP66, IP67       Commercial data     E       ECLASS 6.0     27079218       ECLASS 7.0     27279218       ECLASS 7.0     27060311       ECLASS 7.1     27060311       ECLASS 7.2.0     27060311       ECLASS 7.2.0     27060311       ECLASS 7.2.0     27060311       ECLASS 7.3     27279218       ECLASS 7.4.0     27060311       ECLASS 7.5.0     27479218       ECLASS 7.5.0     27060311       ECLASS 7.5.0     27060311       ECLASS 7.6     27079218       ECLASS 7.7     9000000000000000000000000000000000000	Family construction form	M12
Coding         A           Material         PUR           Material         PUR           Witch across fats         SW13           Dargree dirpolection (EN EC 00593)         IP65, IP66C, IP67           Commercial stats         E           ECLASS 6.0         2701801           ECLASS 5.0         27273918           ECLASS 5.0         27000311           ECLASS 5.0         27000311           ECLASS 5.0         27000311           Cachass taff inmber         8544290           GTIN         4048/78939110           Packaging unit         1           Electrical data [Supply         Coperating voltage DC max.           Operating voltage DC max.         90 V           Coperating voltage DC max.         90 V           Operating voltage DC max.         90 V           Coperating voltage DC max.         90 V           Coperating voltage DC max.         91 V           Operating voltage DC ma	Thread	M12 x 1
Material         PUR           Width across lists         SW13           Degres of protection (EN EC 60529)         IP66, IP67, IP67	suitable for corrugated tube (internal $\emptyset$ )	10 mm
Webs         SW13           Dagmo of protection (EN EC 60529)         IP65, IP60K, IP67           Commercial data         E           ECLASS-6.0         27091801           ECLASS-6.0         2779218           ECLASS-6.0         2779218           ECLASS-6.0         2779218           ECLASS-6.0         2779218           ECLASS-6.0         2779218           ECLASS-6.0         2779218           ECLASS-7.0         27000311           ECLASS-1.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           CLASS-12.0         27060311           ECLASS-12.0         27090311           ECLASS-12.0         27000311           CLASS-12.0         27000311           ELettical data Supply         0           Operating voltage DC max.<	Coding	Α
Degree of protoction (EN IEC 60529)         IP65, IP66K, IP67           Commercial data         PECLASS-6.0         27051801           ECLASS-6.0         27278218         PECLASS-6.0         PERPERPERPERPERPERPERPERPERPERPERPERPERP	Material	PUR
Commercial data         ECLASS 6.0         27061801           ECLASS 6.1         22729218         ECLASS 6.7         22729218           ECLASS 6.0         27279218         ECLASS 6.0         27279218           ECLASS 6.0         27279218         ECLASS 6.0         27279218           ECLASS 6.0         27279218         ECLASS 6.0         27279218           ECLASS 6.1         27060311         ECLASS 6.0         27060311           ECLASS 7.1         27060311         ECLASS 7.0         ECLASS 7.0           ECLASS 7.2         27060311         Control 10.0         ECLASS 7.0           ECLASS 7.1         27060311         Control 10.0         ECLASS 7.0           CASS 7.2         27060311         Control 10.0         ECLASS 7.0           Packaging unit         1         Eccentration 10.0         Eccentration 10.0           Operating voltage DC max.         30 V         Operating voltage DC max.         4A           Diagnoats         Eccentration 12.0         Control operating voltage DC max.         4A           Diagnoats         M12 x 1         Eccentration 12.0         Eccentration 12.0           Statis indication LED         reserved         Politation 10.0         Eccentration 12.0           Additional concline protection	Width across flats	SW13
ECLASS 6.0         27061801           ECLASS 7.0         27279218           ECLASS 7.0         27279218           ECLASS 7.0         27279218           ECLASS 7.0         2729218           ECLASS 7.0         2729218           ECLASS 7.0         2729218           ECLASS 7.0         2729218           ECLASS 7.0         27060311           ECLASS 7.1         27060311           CLASS 7.2         27060311           catsms tarff number         85444290           GTIN         404887389116           Packaging unit         1           Electrical data   Supply         C           Oparating voltage DC         24 V           Oparating voltage DC max.         30 V           Oparating voltage DC max.         4A           Daparating voltage DC protection   Stearting screwed           Maturing set         M12 x 1           Davier protection   Stearting screwed           Politation Constition         Instenerting screwead           Material at	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
ECLASS-6.1         27279218           ECLASS-7.0         27278218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-8.1.1         27060311           ECLASS-8.1.2         27060311           ECLASS-8.1.3         27060311           ECLASS-8.1.0         27060311           ECLASS-8.1.0         27060311           ECLASS-8.1.0         27060311           ECLASS-8.1.0         27060311           ECLASS-8.1.0         27060311           Deatsmit flumber         6444290           GTIN         4048879939116           Packagin unit         1           Electrical dial Suppy         Courating voltage DC           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating voltage DC max.         4 A           Diagnostics            Status indication LED         gream, white, yellow           Installation I Connection         M12 x 1           Device protection I Electrical            Additional condition protection degree         inserted, screwed           Polution Degree         3           Rated surge voltage         0.8 kV	Commercial data	
ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27090311           ECLASS-9.0         27090311           ECLASS-10.1         27090311           ECLASS-11.1         27090311           ECLASS-12.0         27090311           ECLASS-12.0         27090311           CLASS-12.0         27090311           DECLASS-12.0         27090311           CLASS-12.0         27090311           CLASS-12.0         27090311           Declass-12.0         27090311           CLASS-12.0         27090311           CLASS-12.0         27090311           Declass-12.0         27090311           Electrical data   Supply            Operating voltage DC max.         1           Deparating voltage DC max.         30 V           Operating voltage DC max.         30 V           Diagnostics            Status indication IED         green, white, yellow           Installation   Connection         M12 x 1           Device protection   Electrical            Additional condition protection darse         inserted, screwed           Pollution Degree         3           R	ECLASS-6.0	27061801
ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-9.0       27060311         ECLASS-1.1       27060311         ECLASS-12.0       27060311         eachors tarl number       65444290         GTIN       4048379899116         Packaging unit       1         Electrical dial 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.       01 V         Current operating per contact max.       4 A         Dispositio          Status indication LED       green, white, yellow         Installion   Connection          Mounting set       M12 x 1         Device protection   Electrical          Additional condition protection degree       3         Rated surge voltage       0.8 VV         Material group (EC 60684-1)       1         Mechanical data   Material data       Coating oddition         Coating locing       Nickeled         Coating locing       Nickeled         Coating locing material	ECLASS-6.1	27279218
ECLASS 3.0         27060311           ECLASS 10.1         27060311           ECLASS 11.1         27060311           ECLASS 12.0         27060311           customs tariff number         85444290           GTIN         404879899116           Packaging unit         1           Electrical data [Supply	ECLASS-7.0	27279218
ECLASS-10.1     27060311       ECLASS-12.0     27060313       CUASS-12.0     27060311       customs tariff number     85444290       GTIN     404879899116       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, while, yellow       Installation   Connection        Mourting set     M12 x 1       Device protection   Electrical       Additional condition protection degree     3       Rated surge voltage     0,8 kV       Material group (Ele 6064-1)     1       Mechanical data   Material data     Conc die-casting       Material group (Electrical)     Zinc die-casting       Material dia condition protection degree     3       Rated surge voltage     0,8 kV       Material dia condition group     Nickeled       Coating of fitting     nickel plated       Coating of fitting     nickel plated       Coating of fitting     Nickeled acasting       Material screw connection     Zinc die-casti	ECLASS-8.0	27279218
ECLASS-11.1     27060311       ECLASS-12.0     27060311       usions tailf number     8544290       GTIN     404807859116       Packaging unt     1       Electrical data   Supply     Operating voltage DC       Operating voltage DC min.     18 V       Operating voltage DC max.     30 V       Operating voltage DC max.     UL-Isted)       Joing DC max.     10 V       Current operating per contact max.     4 A       Diagostics     UL-Isted)       Status indication LED     green, white, yellow       Installation   Connection     Inserted, screwed       Pollution Degree     3       Rated surge voltage     0.8 kV       Material group (EC 60664-1)     1       I     Interfact Construction       Costing of fitting     nickeled       Costing	ECLASS-9.0	27060311
ECLASS-12.0       27060311         customs tariff number       85444290         GTN       4048879899116         Packaging unit       1         Electrical data   Supply       Control of the second seco	ECLASS-10.1	27060311
customs tariff number     85444290       GTIN     4048875899116       Packaging unit     1       Electrical data   Supply       Operating voltage DC     24 V       Operating voltage DC max.     18 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       Diagnostice     green, white, yellow       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     0,8 kV       Material group (IEC 608et-1)     1       Meterial data   Material data     Coating locking       Coating locking     Nickeled       Coating locking     Zinc die casting       Meterial data   Mounting data     Jinc die casting       Meterial characteristics   Climatic     Coating coating lemperature min.       -25 °C	ECLASS-11.1	27060311
GTIN     4048879899116       Packaping unit     1       Electrical data   Supply     Coperating voltage DC       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     Current operating per contact max.     4 A       Diagnostics     Status indication LED     green, white, yellow       Installation   Connection     Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree     inserted, screwed       Poliution Degree     3     Rated surge voltage     0.8 kV       Material group (IEC 60664-1)     I     I       Mechanical data   Material data     Coaling of tiling     nickel plated       Coaling locking     Nickeled     Coaling of tiling     nickel plated       Locking material     Znc dive casting     Material screw connection     Zin dive casting       Mounting data     Kon dive diverse divers	ECLASS-12.0	27060311
Packaging unit       1         Electrical data   Supply       Operating voltage DC       24 V         Operating voltage DC min.       18 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, white, yellow         Installation   Connection       Mounting set       M12 x 1         Device protection   Electrical       M12 x 1       Device protection   Electrical         Additional condition protection degree       inserted, screwed       Pollution Degree       3         Rated surge voltage       0,8 kV       Material group (IEC 60664-1)       1         Mechanical data   Material data       Coating locking       Nickeled       Coating locking         Coating locking       Nickeled       Coating locking       Mickel plated       Coating locking       Material screw connection       Zinc die-casting         Material screw connection       Zinc die-casting       Material screw connection       Zinc die-casting         Material screw connectorin       Zinc die-casting       Material screw connection Since depending on cable quality       Coeting conting comperature min.       -25 °C         Operating temperature min.       -25 °C </td <td>customs tariff number</td> <td>85444290</td>	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 force in the second state max.         Status force intervention       green, white, yellow         Installation   Connection       Mounting set         Mounting set       M12 x 1         Device protection   Electrical       A         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       0,8 kV         Material group (EC 60664-1)       1         Mechanical data   Material data       Coating locking         Coating locking       Nickelad         Coating of fitting       nickel plated         Locking method       inserted, screwed, Shaking protection         Material group (EC 60664-1)       Inserted, screwed, Shaking protection         Diaterial       Zinc die-casting         Material screw connection       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical datai   Mounting data       inserted, screwed, S	GTIN	4048879899116
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         Status indication LED       green, while, 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 60064-1)       I         Mechanical data   Material data       Coating locking         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zino die-casting         Material group fitting       inserted, screwed, Shaking protection         Mechanical data   Mounting data       Sc C         Operating temperature min.       -25 °C         Operating temperature max       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes	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, white, yellow           Installation   Connection         Mounting set           Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree           Installation gree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Coating of fitting           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Inserted, screwed, Shaking protection         Environmental characteristics   Climatic           Operating temperature max.         45 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important Installation notes         Note on strain relief         <	Electrical data   Supply	
Operating voltage DC max.         30 V           Operating voltage DC max.         4 A           Diagnostics         30 V           Status indication LED         green, white, yellow           Installation   Connection         Mounting set           Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         3.0 kV           Material group (LEC 60664-1)         1           Mechanical data   Material data         Coating of fitting           Coating locking         Nickeled           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 group (LEC 60664-1)         I           Mechanical data   Material data         Coating of fitting           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting           Mounting method         inserted, screwed, Shaking protection           Environmental chara	Operating voltage DC	24 V
Operating voltage DC max. (UL-listed)         30 V           Current operating per contact max.         4 A           Diagnostics         green, while, yellow           Installation IED         green, while, yellow           Installation IConnection         Mounting set           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         3           Polution Degree         3           Rated surge voltage         0.8 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Coating locking           Coating locking         Nickeled           Coating locking         Nickeled           Coating locking         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 min.           -25 °C         Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Protect	Operating voltage DC min.	18 V
Current operating per contact max.       4 A         Diagnostics         Status indication LED       green, white, 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       Note on strain relief         Note on strain relief       Protect the connectors by suitabl	Operating voltage DC max.	30 V
Diagnostics         Status indication LED       green, white, yellow         Installation   Connection       Mounting set       M12 x 1         Device protection   Electrical       Additional condition protection degree       inserted, screwed         Pollution Degree       3       Raterial group (EC 60664-1)       I         Mechanical data   Material data       0.8 kV       Raterial group (EC 60664-1)       I         Mechanical data   Material data       Coating locking       Nickeled       Coating locking       Nickeled         Coating locking       Nickeled       Coating of fitting       nickel plated       Locking material       Zinc die-casting         Material group entrol       Zine die-casting       Material group data       Mounting data       Mounting method       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.       -25 °C       Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality       Important installation notes       Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on bending radius       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending froces.	Operating voltage DC max. (UL-listed)	30 V
Status indication LED       green, white, yellow         Installation   Connection       Mutning 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 60864-1)       1       Inserted, screwed       Inserted, screwed         Coating locking       Nickeled       Coating of fiting       nickel plated         Coating locking       Nickeled       Coating of fiting       nickel plated         Locking material       Zinc die-casting       Inserted, screwed, Shaking protection         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         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.	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         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Coating locking           Coating locking         Nickeled           Coating up of fitting         nickel plated           Locking material         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature max.           Operating temperature max.         85 °C           Additional condition network reage         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.	Diagnostics	
Mounting set     M12 x 1       Device protection   Electrical       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     0,8 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data        Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       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 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.	Status indication LED	green, white, 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 rotces.	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       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.         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.	Device protection   Electrical	
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.	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         Material screw connection       Zinc die-casting       Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Mounting method       inserted, screwed, Shaking protection       Mounting method         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.         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.	Rated surge voltage	0,8 kV
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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	
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	
	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: 2024-05-21

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Product standard DIN EN 61076-2-101 (M12) Installation | Cable Cable identification 614 Cable Type 1 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 40,7 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) 5 mm Tolerance outer diameter (sheath) ±5% Material wire insulation PVC Amount wires 4 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 to DIN VDE 0298-4 Current load capacity (standard) 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 -2 kV @ 60 s jacket) Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C 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

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