

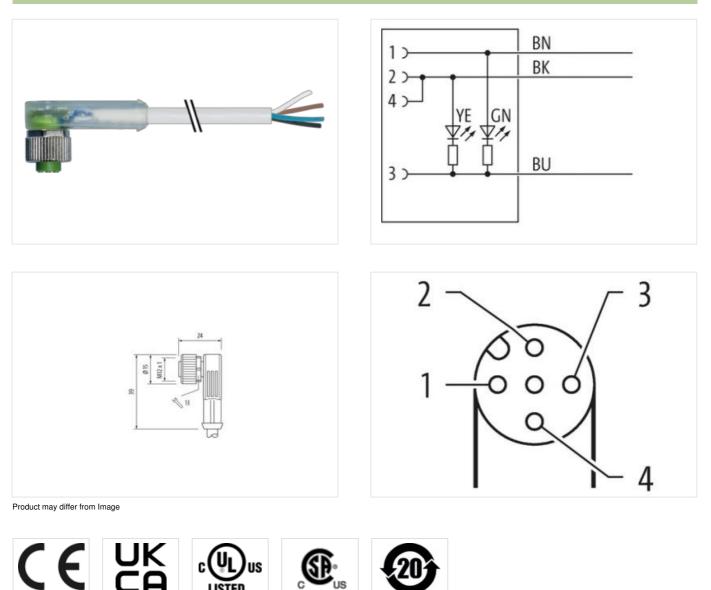
## M12 female 90° A-cod. with cable LED

PVC 3x0.34 gy UL/CSA 10m

Female 90° M12, 4-pole 2× LED (PNP) bridged 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

10 m

LISTED

Side 1

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: 2024-05-19

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Mounting method     insertud. servaned       Family construction form     M12       Tread     M12 × 1       available for corruptiod lube (infernal (0)     10 run       Material     PUR       Worth accoss flats     SV13       Degree of protection (EN IEG 60529)     IPES, IPESK (F67       Commercial data     27279218       ECLASS 6.0     27279218       CLASS 7.0     27090311       CLASS 7.0     27090311       CLASS 7.0     27090311       CLASS 7.0     27090311       CLASS 7.0     2709031       Deprotection full formotion     404877204019       Parkago guint     1	Tightening torque	0,6 Nm
Trend     M12 x 1       suitable for corrugated tube (internal (0)     10 mm       Material     PUR       With access tats     SW13       Degree of protection (EN UE 60520)     IP65, IP66K, IP67       Commercial data     ECLASS 4.0       ECLASS 5.0     27279218       ECLASS 5.0     27260311       ECLASS 5.0     27060311       ECLASS 5.1     27070531       ECLASS 5.1     27060311       ECLASS 5.1     27070531       ECLASS 5.1     27070531       ECLASS 5.1     27070531       Eretas datal flagopt     24	Mounting method	inserted, screwed
stable for corrugated bole (internal 60)     10 mm       Material     PUR       With accoss fields     SV13       Dargue of protection (EN IE 60559)     IP65, IP66, IP67       ECLASS-6.0     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27060311       ECLASS-6.0     27060311       ECLASS-10     27060311       ECLASS-10     27060311       ECLASS-10     2060311       ETM-10     Ecoleal 5000       OTM     4048473204019       Packaging unit     1       Electrical dia Sloppiy     Coperating voltage DC max.       Operating voltage DC max.     90 V       Operating voltage DC max.     90 V       Operating voltage DC max.	Family construction form	M12
Material     PUR       With across flats     SW13       Degree of protection (EN EC 60529)     IPS6, IP60K (IP67       Conneccial data     ECLASS 6.0       ECLASS 6.0     27279218       ECLASS 7.0     27279219       ECLASS 9.0     27279219       ECLASS 9.0     27279219       ECLASS 9.0     27000311       ECLASS 9.0     27000311       ECLASS 1.1     27060311       ECLASS 1.2.0     27060311       ECLASS 1.0     ECO085.5       outside SCASCAP     2727824019       Packaging unit     1       Electrical data [ Suppit     Constration       Operating voltage DC     24 V       Operating voltage DC max.     30 V       Operating voltage DC max.     4A       Disposite     Utility       Status indication LED     green yellow       Instaliation (Consection     M12 x 1       Devices protection [ Electrical     A       Additional contalise protection dogree     3       Patial surge voltage     0.8 kV       Material group (IEC 60564-1) <t< td=""><td>Thread</td><td>M12 x 1</td></t<>	Thread	M12 x 1
With across flats     SW13       Dagree of protection (EN IEC 60529)     IPPS, IP60K, IP67       Commercial dats     E       ECLASS-6.0     27279218       ECLASS-6.1     27279218       ECLASS-6.0     27060311       ECLASS-10.1     27060311       ECLASS-12.0     27060311       ECLASS-12.0     27060311       ECLASS 12.0     27060311       Eclass 13.0     40487204019       Packagn unt     1       Electrical data   Suppy     Coenting vortage DC max.       Operating vortage DC max.     30 V       Operating vortage DC max. <td< td=""><td>suitable for corrugated tube (internal Ø)</td><td>10 mm</td></td<>	suitable for corrugated tube (internal Ø)	10 mm
Degree of protection (EN IEC 60529)     IP66, IP66K, IP67       Commercial data     ************************************	Material	PUR
Commercial data     27279218       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-7.0     27279218       ECLASS-7.0     27279218       ECLASS-7.0     27279218       ECLASS-7.0     27279218       ECLASS-7.0.1     27060511       ECLASS-7.0.1     27060511       ECLASS-7.0.1     27060511       ECLASS-7.0     EC001655       customs tarff number     6544280.0       GTIN     404897824019       Packaging unit     1       Electrical data Suppy     Coperating voltage DC       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Operating voltage DC max.     4A       Diagnostic     Image: Commercial Suppy       Statis indication LED     green, yallow       Issue indication I Electrical     M12 x 1       Device protection [Electrical     Suppy       Addition protection degree     inserted, serowad       Pollution Degree     3       Rated surge voltage	Width across flats	SW13
ECLASS-6.0     27279218       ECLASS-6.1     27279218       ECLASS-6.1     27279218       ECLASS-7.0     27279218       ECLASS-9.0     27060311       ECLASS-9.1     27060311       ECLASS-1.1     27060311       ECLASS-1.1     27060311       ECLASS-1.1     27060311       ECLASS-1.1     27060311       ECLASS-1.0     27060311       ECLASS-1.1     27060311       ECLASS-1.2     2706031       Partiny outage DC max.     1       Dereting per contat max.     4 A       Diagatistic     Generating per contat max.       Mouting set     M12 x 1       Dereting per contat max.     4 A       Deretin cou	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
ECLASS-8.1     27278218       ECLASS-7.0     27278218       ECLASS-8.0     27278218       ECLASS-8.0     277827819       ECLASS-8.0     27060311       ECLASS-8.1.1     27060311       ECLASS-8.1.2     27060311       ECLASS-8.1.3     27060311       ECLASS-1.3     27060311       ECLASS-8.1.3     27060311       ECLASS-8.1.3     27060311       ECLASS-8.1.3     27060311       ECLASS-8.1.3     404897204019       Packaging unit     1       Exercised data   Supply     0       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Installation   Connection     Mouring on the formating an insterd, screewed       Polu	Commercial data	
ECLASS-7.0     27279218       ECLASS-8.0     27279218       ECLASS-8.0     27060311       ECLASS-10.1     27060311       ECLASS-11.1     27060311       ECLASS-12.0     27060311       ECLASS-13.0     EC001855       customs tariff number     8544290       GTIN     404897290419       Packaging unit     1       Etertical data   Supply     Operating voltage DC       Operating voltage DC     24 V       Operating voltage DC     24 V       Operating voltage DC max.     30 V       Operating voltage DC max.     4 A       Depreting voltage DC max.     5 0       Additional condition protection IEEETCAL     Additional condition adjee	ECLASS-6.0	27279218
ECLASS 8.0     27279218       ECLASS 9.0     27060311       ECLASS 9.0     27060311       ECLASS 1.1     27060311       ECLASS 1.2.0     27060311       ECLASS 1.1     27060311       ECLASS 1.1     27060311       ECLASS 1.2.0     ECON1655       customs tariff number     8544280       GTIN     4048879204019       Packaging unit     1       Electrical data   Supply	ECLASS-6.1	27279218
ECLASS-9.0     27060311       ECLASS-10.1     27060311       ECLASS-11.1     27060311       ECLASS.12.0     27060311       ECLASS.12.0     27060311       ETIM-5.0     EC001855       outsoms taiff number     6544290       GTIN     4048879204019       Packaging unt     1       Electrical data   Supply     Operating voltage DC       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Current operating per contact max.     4 A       Diagnostics     Status indication LED       Status indication LED     green, yellow       Installation   Connection     Mit2 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     3       Related surge voltage     0.8 kV       Material group (IEC 60684-1)     1       Mechanical data   Material data     Caching on-chacing data       Caching on-king data     Zinc die-casting       Material grew connecition     Zinc die-casting <	ECLASS-7.0	27279218
ECLASS-10.1     27060311       ECLASS-11.1     27060311       ECLASS-12.0     27060311       ECLASS-20     27060311       ECLASS-12.0     EC001855       customs tariff number     85444290       GTIN     4048879204019       Packaging unit     1       Electrical data   Supply	ECLASS-8.0	27279218
ECLASS-12.0     27060311       ECLASS-12.0     EC001895       customs tariff number     65444290       GTIN     4048579204019       Packaging unit     1       Electrical data   Supply     Coperating voltage DC       Operating voltage DC     24 V       Operating voltage DC     24 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Operating per contact max.     4 A       Diagnostics     Status indication LED       Status indication LED     green, yellow       Installation   Connection     Inserted, screwed       Polution Degree     3       Rated surge voltage     0,8 kV       Material group (IEC 60684-1)     1       Material group (IEC 60684-1)     <	ECLASS-9.0	27060311
ECLASS-12.0     27060311       ETIM-5.0     EC001855       customs tariff number     85444290       GTIN     404887224019       Paskaging unit     1       Electrical data   Supply	ECLASS-10.1	27060311
ETIM-5.0   EC001855     customs tariff number   85444290     GTIN   4048879204019     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     Operating voltage DC max.   4 A     Diagnostics      Status indication LED   green, yellow     Installation   Connection   M12 x 1     Devide protection   Electrical      Additional condition protection degree   3     Rated argo voltage   0.8 kV     Material group (IEC 60664-1)   1     Mechanical data   Material data      Coating of fitting   nickel plated     Locking material   Zinc die-casting     Mechanical data   Mounting data      Mounting method   inserted, screwed, Shaking protection     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Mechanical data   Mounting data   S5 °C     Operating tempera	ECLASS-11.1	27060311
customs tariff number   85444290     GTIN   4048879204019     Packaging unit   1     Electrical data   Supply   Operating voltage DC     Operating voltage DC max.   30 V     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   3     Rated surge voltage   0.8 kV     Material group (LEC 60664-1)   1     Mechanical data   Material data   Coating locking     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material group (LEC 60664-1)   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Coating of fitting     Coating of fitting   inserted, screwed, Shaking protection     Environmental character	ECLASS-12.0	27060311
GTIN   4048873204019     Packaging unit   1     Electrical dat   Supply     Operating voltage DC   24 V     Operating voltage DC max.   30 V     Operating voltage DC max.   30 V     Operating voltage DC max.   30 V     Current operating per contact max.   4 A     Diagnostics   Status indication LED     Status indication LED   green, yellow     Installation   Connection   monthing set     Mounting set   M12 x 1     Device protection   Electrical   screwed     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   0.8 kV     Material group (IEC 60664-1)   1     Mechanical data   Material data   Coating of fitting     Coating of fitting   nickeled     Coating of fitting   nickeled     Coating of fitting   inserted, screwed, Shaking protection     Material screw connection   Zinc die-casting     Material screw connection   Zinc die-casting     Meterial data   Mounting data   Operating temperature min.     25 °C   Opera	ETIM-5.0	EC001855
Packaging unit   1     Electrical data   Supply   Operating voltage DC   24 V     Operating voltage DC max.   18 V   Operating voltage DC max.   00 V     Operating voltage DC max.   30 V   Operating voltage DC max.   00 V     Current operating voltage DC max.   4 A   Dispositios   Dispositios     Status indication LED   green, yellow   Installation   Connection     Mounting set   M12 x 1   Device protection   Electrical     Additional condition protection degree   inserted, screwed   Polucion Degree     Polution Degree   3   Retering to place A   Retering to place A     Material group (IEC 60664-1)   1   I   Mechanical data   Material data   Coating of fitting   nickel plated   Coating of fitting   Nickeled     Coating of fitting   nickel plated   Coating of fitting   Nickel plated   Coating of fitting   Coating to plated   Device acating     Material screw connection   Zinc die-casting   Mechanical data   Mounting data   Co-Co-Co-Co-Co-Co-Co-Co-Co-Co-Co-Co-Co-C	customs tariff number	85444290
Electrical data   Supply     Operating voltage DC   24 V     Operating voltage DC min.   18 V     Operating voltage DC max.   30 V     Operating voltage DC max.   30 V     Operating voltage DC max.   0.V     Operating voltage DC max.   0.V     Current operating per contact max.   4 A     Diagnostics   green, yellow     Installation   Connection   Mult x 1     Device protection   Electrical   M12 x 1     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   0,8 kV     Material group (IEC 6068-11)   1     Methical data   Material data   Coating of fitting     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mat	GTIN	4048879204019
Operating voltage DC   24 V     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   green, yellow     Installation   Connection   months     Mounting set   M12 x 1     Devere protection   Electrical   Additional condition protection degree     Installation group   0,8 kV     Material group (IEC 60664-1)   1     Metrial group (IEC 60664-1)   1     Metrial group (IEC 60664-1)   1     Metrial screw connection   Zinc die-casting     Material group (IEC 60664-1)   1     Metrial screw connection   Zinc die-casting     Material screw connection   Zinc die-casting     Material screw connection   Zinc die-casting     Material screw connection   Zinc die-casting     Methanical data   Mounting data   Mounting method     Inserted, screwed, Shaking protection   Environmental characteristics   Climatic     Operating temperature min.   -25 °C     Operating temperature min.   -25 °C     Operating temperature min.	Packaging unit	1
Operating voltage DC min.   18 V     Operating voltage DC max.   30 V     Operating voltage DC max.   30 V     Current operating per contact max.   4 A     Diagnostics   Status indication LED     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   Zine die-casting     Mechanical data   Mounting data   mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Coating temperature min.     -25 °C   Operating temperature max.   85 °C     Additional condition temperature range   depending o	Electrical data   Supply	
Operating voltage DC min.   18 V     Operating voltage DC max.   30 V     Operating voltage DC max.   30 V     Current operating per contact max.   4 A     Diagnostics   Status indication LED     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   Zine die-casting     Mechanical data   Mounting data   mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Coating temperature min.     -25 °C   Operating temperature max.   85 °C     Additional condition temperature range   depending o	Operating voltage DC	24 V
Operating voltage DC max.   30 V     Operating voltage DC max.   4 A     Diagnostics   4 A     Diagnostics   green, yellow     Installation I Connection   mounting set     Mounting set   M12 x 1     Device protection   Electrical   Additional condition protection degree     Additional condition protection degree   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   Zine die-casting     Material group (ter connection i sereed, screwed, Shaking protection   Environmental characteristics   Climatic     Operating material   Zinc die-casting     Material screw connection   Zine die-casting     Material group (ter 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 not		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 of fitting     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition eterperature range   depending on cable quality		30 V
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 of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Installation totes	Operating voltage DC max. (UL-listed)	30 V
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 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 min.   -25 °C     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Environmental characteristics   Climatic	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   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   Coating condition temperature max.     Qberating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Line of the dist	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   Image: Strewed     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.     -25 °C   Operating temperature max.     Abs °C   Additional condition temperature range     depending on cable quality   Important installation notes	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   Inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.     A5 °C   Additional condition temperature range     depending on cable quality   Important installation notes	Installation   Connection	
Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   0,8 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   I     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   I     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.     A55 °C   Additional condition temperature range     Important installation notes   Use of the Mife	Mounting set	M12 x 1
Pollution Degree   3     Rated surge voltage   0,8 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   Coating locking     Coating locking   Nickeled     Coating 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.     Abs °C   Additional condition temperature range     Important installation notes   Hele screwed	Device protection   Electrical	
Rated surge voltage   0,8 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   I     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.     Additional condition temperature range   depending on cable quality     Important installation notes   Haterial of filtion	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)   I     Mechanical data   Material data   Important installation notes	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   -25 °C     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Lober and the state of	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.     -25 °C   Operating temperature max.     Additional condition temperature range   depending on cable quality     Important installation notes   Inserted	Material group (IEC 60664-1)	
Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   inserted, screwed, Shaking protection     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.     85 °C   Additional condition temperature range     Important installation notes   Hepending on cable quality	Mechanical data   Material data	
Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Inserted, screwed, Shaking protection     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.     85 °C   Additional condition temperature range     Important installation notes   Uncall on the protection	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.   -25 °C     Operating temperature max.   85 °C   Additional condition temperature range   depending on cable quality     Important installation notes   Undependence   Undependence   Undependence	Coating of fitting	nickel plated
Mechanical data   Mounting data     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic		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	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Important installation notes	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	Mounting method	inserted, screwed, Shaking protection
Operating temperature max. 85 °C   Additional condition temperature range depending on cable quality   Important installation notes	Environmental characteristics   Climatic	
Operating temperature max. 85 °C   Additional condition temperature range depending on cable quality   Important installation notes	Operating temperature min.	-25 °C
Additional condition temperature range depending on cable quality   Important installation notes		
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.

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: 2024-05-19

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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.

Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
Cable identification	213
Cable Type	1
Jacket Color	gray
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 mm²
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 ℃
Operating temperature max. (dynamic)	80 °C
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
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: 2024-05-19

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