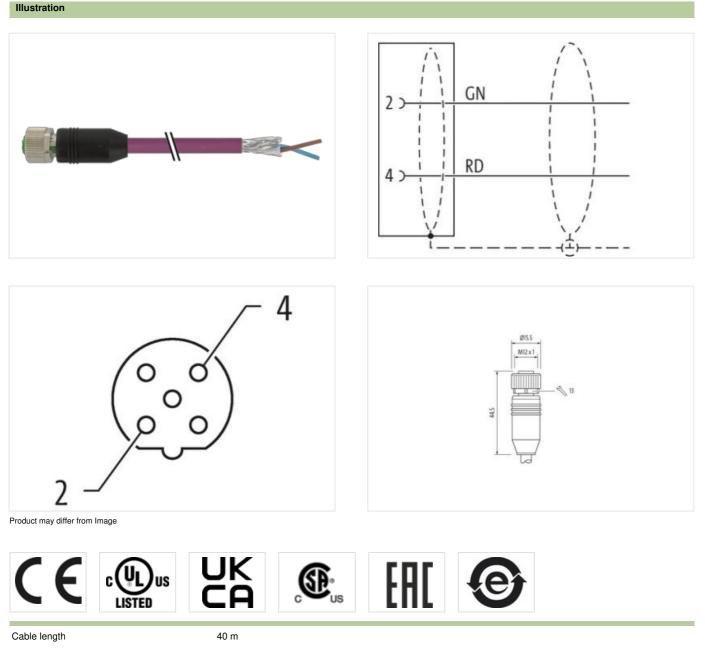


## M12 female 0° B-cod. with cable shielded

PVC 1x2xAWG24 shielded vt UL/CSA 40m

PROFIBUS Female straight M12, 2-pole B-coded shielded 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



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: 2024-05-05

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Family construction form     M12       Thread     M12 x 1       Coding     B       Material     PUR       Widh across flats     SW13       Dagree of protection (EN IEC 60529)     IP65, IP66K, IP67       Sife 2     Stripping length (lacket)       Commercial data     E       ECLASS 6.0     27061801       ECLASS 6.1     27060307       ECLASS 7.0     27060307       ECLASS 8.0     27060307       ECLASS 8.1.1     27060307       ECLASS 8.1.2     27060307       ECLASS 8.1.1     27060307       ECLASS 8.1.0     ECO01855       oustoms tariff number     85444290       GTIN     404807858241       Packaging unit     1       Electrical data   Supply     Operating voltage AC	Tightening torque	0,6 Nm
Thread     M12 x 1       Coding     8       Coding     8       With accos flats     SW13       Degree of proceshing (FN EG 65029)     IP65, IP66K, IP67       Side 2     Side 2       Commercial (FN EG 65029)     IP65, IP66K, IP67       Side 3     Commercial (FN EG 65029)       Commercial (FN EG 65029)     200 ml       Commercial (FN EG 65029)     2000007       ECLASS 6.0     27060007       ECLASS 7.0     ECOR01855       Colastis 1.0     27060007       ECLASS 7.0     ECOR01855       Colastis 1.0     ECOR01855       Colastis 1.0     ECOR01855	Mounting method	inserted, screwed
CodiogBMatarialPURWith arcos firstsSW13Dagree of protection (EN EC 60529)IP65, IP661, IP67Side 2Stoppen length (acket)20 mmConneccial data2061801ECLASS-6.127061801ECLASS-6.327060307ECLASS-6.327060307ECLASS-6.127060307ECLASS-6.127060307ECLASS-6.127060307ECLASS-7.027060307ECLASS-7.027060307ECLASS-7.027060307ECLASS-7.027060307ECLASS-7.027060307ECLASS-7.127060307ECLASS-7.227060307ECLASS-7.227060307ECLASS-7.227060307ECLASS-7.227060307ECLASS-7.227060307ECLASS-7.227060307ECLASS-7.127060307ECLASS-7.227060307ECLASS-7.227060307ECLASS-7.227060307ECLASS-7.227060307ECLASS-7.227060307ECLASS-7.227060307ECLASS-7.227060307ECLASS-7.227060307ECLASS-7.227060307ECLASS-7.227060307ECLASS-7.227060307ECLASS-7.227060307ECLASS-7.227060307ECLASS-7.227060307ECLASS-7.227060307ECLASS-7.22707ECLASS-7.22707ECLASS-7.22707ECLASS-7.22707ECLASS-7.22	Family construction form	M12
Material     PUF       With across fats     SW13       Degree of protection (SN EC 65629)     IPES, IPES, IPES, IPES       Side 2     Streption (SN EC 65629)       Sinping lengh (jacket)     20 mm       Commercial dis     2005007       ECLASS 6.0     2065007       ECLASS 7.0     2065007       ECLASS 7.1     2065007       ECLASS 7.0     2065007       ECLASS 7.1	Thread	M12 x 1
Width across flats     SW13       Dagree of protection (EN IEC 68529)     PPS, IP80K, IP87       Sinpping length (acket)     20 mm       Commercial data     E       ECLASS-6.0     27061801       ECLASS-6.0     27060307       ECLASS-6.0     27060307       ECLASS-6.0     27060307       ECLASS-6.0     27060307       ECLASS-6.0     27060307       ECLASS-6.0     27060307       ECLASS-6.1     27060307       ECLASS-6.1     27060307       ECLASS-6.1     27060307       ECLASS-6.1     27060307       ECLASS-10.1     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       Packaging unit     1       Electacia data [Suppity     9       Operating voltage AC max.     60 V       Operating voltage CO max.     60 V       Operating voltage OC UL.1     30 V       Current operating voltage OC UL.1     30 V       Curent operating vol	Coding	В
Degree of protection (EN IEC 60529)     IP65, IP66K, IP67       Ströping legak (acket)     20 mm       Commercial dat     20 mm       EGLASS-6.0     27061001       EGLASS-6.0     27060307       EGLASS-7.0     27060307       EGLASS-8.0     27060307       EGLASS-8.0     27060307       EGLASS-8.0     27060307       EGLASS-8.11     27060307       EGLASS-8.12.0     27060307       EGLASS-13.0     27060307       EGLASS-14.0     27060307       EGLASS-12.0     27060307       EGLASS-12.0     27060307       EGLASS-12.0     27060307       EGMASS-13.0     EG001955       Stoping length (aruber     694429.0       GTM     4048875539241       Parakagring unit     1       Electrical data Supply     0       Operating voltage AC max.     60 V       Operating voltage AC UL-listot     30 V	Material	PUR
SHipPin     20 mm       Commercial data     2000000000000000000000000000000000000	Width across flats	SW13
Stipping length (jacket)     20 mm       Connecial dats     200 mm       ECLASS 6.0     27060307       ECLASS 7.0     27060307       ECLASS 7.1     27060307       ECLASS 7.1     27060307       ECLASS 7.1.1     27060307       Echarical	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data       EQLASS 4.0     27061901       EQLASS 5.0     27060307       EQLASS 5.1.1     27060307       EQLASS 5.1.1     27060307       EQLASS 5.1.1     27060307       EQLASS 5.1.1     27060307       EQLASS 5.2.0     2706130       Operating voltage AC max.     60 V       Operating voltage CO max.     60 V       Operating voltage	Side 2	
ECLASS-6.0     27061801       ECLASS-6.1     27060807       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-8.0     27060307       ECLASS-8.0     27060307       ECLASS-1.1     27060307       ECLASS-1.1     27060307       ECLASS-1.1     27060307       ECLASS-1.2.0     27060307       ECLASS-1.1     27060307       ECLASS-1.2.0     27060307       ECLASS-1.1     27060307       ECLASS-1.2.0     27060307       ECLASS-1.0     ECLASS-1.0       Packaging unit     1       Electrical Anal Suppix     60 V       Operating voltage AC (UL-listech)     30 V       Co	Stripping length (jacket)	20 mm
ECLASS-6.1     27060307       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-8.0.1     27060307       ECLASS-8.0.1     27060307       ECLASS-8.0.1     27060307       ECLASS-8.0.1     27060307       ECLASS-10.1     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ELASS-11.1     444290       Operatiny voltage AC max.     60 V       Operatiny voltage AC (UL listod)     30 V	Commercial data	
E0LASS-7.0     27060307       E0LASS-8.0     27060307       E0LASS-9.0     27060307       E0LASS-10.1     27060307       E0LASS-11.1     27060307       E0LASS-12.0     27060307       E0LASS-12.0     27060307       E0LASS-12.0     27060307       E1M-5.0     E0001855       outstoms traff number     85444290       GTIN     404837533241       Packaging unit     1       Electrical datal Supply	ECLASS-6.0	27061801
ECLASS 8.0     27060307       ECLASS 9.0     27060307       ECLASS 9.0     27060307       ECLASS 1.1     27060307       ECLASS 1.1     27060307       ECLASS 1.2.0     27060307       EDEXECTAS 1.2.0     27060307       EDEXECTAS 1.2.0     2007       Operating voltage A.C. (UL-listed)     30 V       Current operating voltage A.C. (UL-listed)     30 V       Eustation Conscion     10       Eustation Conscion     1	ECLASS-6.1	27060307
ECLASS-9.0     27060307       ECLASS-10.1     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ETM-5.0     EC001855       austoms tariff number     8544290       GTIN     4048379539241       Packaging unit     1       Electrical data [ Supply     Compariting voltage AC max.       Operating voltage AC max.     60 V       Operating voltage AC max.     60 V       Operating voltage AC max.     60 V       Operating voltage AC (Li-listed)     30 V       Operating voltage AC (Li-listed)     30 V       Operating voltage DC (Li-listed)     30 V       Operating voltage DC (Li-listed)     30 V       Mounting set     M12 x 1       Device protection / Electrical     Additional condition protection degree       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surg voltage     1,5 kV       Material group (IEC 60664-1) <td>ECLASS-7.0</td> <td>27060307</td>	ECLASS-7.0	27060307
ECLASS-10.1     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ETIM-5.0     EC001855       customs tauff number     85444290       GTIN     404897953241       Packaging unit     1       Electrical data   Supply	ECLASS-8.0	27060307
ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECMASD     ECO01855       customs tariff number     85444290       GTIN     4048879539241       Packaging unit     1       Electrical data [Supply     Electrical data [Supply       Operating voltage AC max.     60 V       Operating voltage DC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Operating orotage DC (UL-listed)     30 V       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     15 V       Material	ECLASS-9.0	27060307
ECLASS-12.0     27060307       ETIM-5.0     EC001855       oustoms tariff number     85444290       GTIM     4048879539241       Packaging unit     1       Electrical data   Supply     Contrast       Operating voltage AC max.     60 V       Operating voltage DC max.     60 V       Operating voltage DC max.     60 V       Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Imstallation I Connection     Envertement Person Pers	ECLASS-10.1	27060307
ETIM-5.0     EC001885       customs tariff number     85444290       GTIN     4048879539241       Packaging unit     1       Electrical data   Supply        Operating voltage AC max.     60 V       Operating voltage C Max.     60 V       Operating voltage C QLL-Isted)     30 V       Current operating per contact max.     4 A       Installation   Connection     M12 x 1       Device protection   Electrical     M12 x 1       Additional condition protection degree     inserted, screwed       Polution Degree     3       Rated surge voltage     1,5 kV       Material screw (Ce Go664-1)     1       Mechanical data   Material data     Tion die-casting       Material screw connection     Zinc die-casting       Material screw connecti	ECLASS-11.1	27060307
customs tariff number     85444290       GTIN     4048879539241       Packaging unit     1       Electrical data   Supply        Operating voltage AC max.     60 V       Operating voltage AC max.     60 V       Operating voltage AC max.     60 V       Operating voltage AC (LL-listed)     30 V       Operating per contact max.     4 A       Installation   Connection     Stripping length (jacket)       Stripping length (jacket)     20 mm       Mounting set     M12 x 1       Device protection   Electrical        Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rate surge voltage     1,5 kV       Material group (EC 60664-1)     1       Mechanical data   Material data        Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material group (EC 60664-1)     Inc die-casting       Material group of fitting     inserted, screwed, Shaking protection       Material group material     Zinc d	ECLASS-12.0	27060307
GTIN     4048879539241       Packaging unit     1       Electrical data   Supply        Operating voltage AC max.     60 V       Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation   Connection        Stripping length (lacket)     20 mm       Mounting set     M12 x 1       Device protection   Electrical        Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     I       Nechanical did i Material data        Coating of fitting     nickel plated       Coating of fitting     nickel plated       Coating of fitting     inserted, screwed, Shaking protection       Meterial acrew connection     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Sic % C       Operating temperature min.	ETIM-5.0	EC001855
Packaging unit   1     Electrical data   Supply   60 V     Operating voltage AC max.   60 V     Operating voltage AC max.   60 V     Operating voltage AC (UL-listed)   30 V     Current operating per contact max.   4 A     Installation   Connection   4     Stripping length (jacket)   20 mm     Mounting set   M12 x 1     Device protection   Electrical     Additional condition protection degree   3     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1     Material screw connection   Zinc die-casting     Material Screw connection   Zinc die-casting	customs tariff number	85444290
Electrical data   Supply     Operating voltage AC max.   60 V     Operating voltage AC max.   60 V     Operating voltage AC (UL-listed)   30 V     Operating voltage AC (UL-listed)   30 V     Operating voltage AC (UL-listed)   30 V     Current operating per contact max.   4 A     Installation   Connection   20 mm     Mounting set   M12 x 1     Device protection   Electrical   Additional condition protection degree     Additional condition protection degree   3     Polution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1     Mechnical data   Meterial data   Vickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Material screw connection   Zinc die-casting     Mechnical data   Mounting data   Vickeled, screwed, Shaking protection     Device protection [Electrical   Zinc die-casting     Material screw connection   Zinc die-casting     Material screw connection   Zinc die-casting     Operating temperature min. </td <td>GTIN</td> <td>4048879539241</td>	GTIN	4048879539241
Operating voltage AC max. 60 V   Operating voltage AC (UL-listed) 30 V   Current operating per contact max. 4 A   Installation   Connection Installation   Connection   Stripping length (lacket) 20 mm   Mounting set M12 x 1   Device protection   Electrical Inserted, screwed   Additional condition protection degree inserted, screwed   Pollution Degree 3   Rated surge voltage 1,5 kV   Material aroup (IEC 60664-1) I   Mechanical data   Material data Zinc die-casting   Coating locking Nickeled   Coating of fitting nickel plated   Locking material Zinc die-casting   Material aroup (Interviet) Inserted, screwed, Shaking protection   Environmental characteristics   Climatic Operating unclease (Interviet)   Operating method inserted, screwed, Shaking protection   Environmental characteristics   Climatic Operating temperature min.   -25 °C Operating temperature max. 85 °C   Additional condition temperature max.	Packaging unit	1
Operating voltage DC max.     60 V       Operating voltage AC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation   Connection     Installation   Connection       Stripping length (jacket)     20 mm       Mounting set     M12 x 1       Device protection   Electrical     Inserted, screwed       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60684-1)     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       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coating condition temperature min.       -25 °C     Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality	Electrical data   Supply	
Operating voltage AC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation   Connection     Installation   Connection       Stripping length (jacket)     20 mm       Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     I       Mechanical data   Material data     Coating locking       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material serve connection     Zinc die-casting       Material serve connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coating temperature min.       Operating temperature max.     85 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable	Operating voltage AC max.	60 V
Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation   Connection     20 mm       Stripping length (jacket)     20 mm       Mounting set     M12 x 1       Device protection   Electrical     44       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating of fitting       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       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	Operating voltage DC max.	60 V
Current operating per contact max.   4 A     Installation   Connection     Stripping length (jacket)   20 mm     Mounting set   M12 x 1     Device protection   Electrical   Additional condition protection degree     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1     Mechanical data   Material data   Coating of fitting     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   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   -25 °C	Operating voltage AC (UL-listed)	30 V
Installation   Connection       Stripping length (jacket)     20 mm       Mounting set     M12 x 1       Device protection   Electrical     Inserted, screwed       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Voltage       Coating locking     Nickeled       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     Material condition temperature range		30 V
Stripping length (jacket) 20 mm   Mounting set M12 x 1   Device protection   Electrical inserted, screwed   Additional condition protection degree inserted, screwed   Pollution Degree 3   Rated surge voltage 1,5 kV   Material group (IEC 60664-1) I   Mechanical data   Material data I   Coating locking Nickeled   Coating locking nickel plated   Locking material Zinc cie-casting   Methanical data   Mounting data Inserted, screwed, Shaking protection   Methanical data   Mounting data Inserted, screwed, Shaking protection   Operating temperature min. -25 °C   Operating temperature max. 85 °C   Additional condition temperature range depending on cable quality	Current operating per contact max.	4 A
Mounting set   M12 x 1     Device protection   Electrical     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   I     Coating locking   Nickeled     Coating locking   Nickeled     Coating of fitting   Inickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     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   -25 °C	Installation   Connection	
Device protection   Electrical     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   I     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material data   Mounting data   Zinc die-casting     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   Scolar quality	Stripping length (jacket)	20 mm
Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   I     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Meterial screw connection   Zinc die-casting     Meterial screw connection   Zinc die-casting     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.     Ab °C   Additional condition temperature range     depending on cable quality   Important installation notes	Mounting set	M12 x 1
Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1     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   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   Material on cable quality	Device protection   Electrical	
Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   Vickeled     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Important installation notes	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)   I     Mechanical data   Material data   Nickeled     Coating locking   Nickel plated     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   -25 °C	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 max.   85 °C     Additional condition temperature range   depending on cable quality	Rated surge voltage	1,5 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     Environmental characteristics   Climatic   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality	Material group (IEC 60664-1)	I
Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   inserted, screwed, Shaking protection     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	Mechanical data   Material data	
Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   inserted, screwed, Shaking protection     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality	Coating locking	Nickeled
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		nickel plated
Mechanical data   Mounting data     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic	Locking material	
Mounting methodinserted, screwed, Shaking protectionEnvironmental characteristics   ClimaticOperating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityImportant 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	
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	
Additional condition temperature range   depending on cable quality     Important installation notes	Operating temperature min.	-25 °C
Important installation notes	Operating temperature max.	85 °C
	Additional condition temperature range	depending on cable quality
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Important installation notes	
	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: 2024-05-05

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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	850
Jacket Color	violet
Amount stranding	1
Stranding	2 wires with 2 Filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	70 %
Banding	Fleece, Foil
Filler	yes
wire arrangement	red, green
Traversing distance (C-track)	5 m @ 25 °C
Cable weigth	75,9 g/m
Material jacket	PVC
Freedom from ingredients (jacket)	lead-free, CFC-free
Outer-diameter (jacket)	7,8 mm
Tolerance outer diameter (sheath)	± 5 %
Amount wires	2
Outer diameter insulation	2,55 mm
Outer diameter tolerance core insulation	± 5 %
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	19
Diameter of single wires	24 AWG
Conductor crosssection (wire)	24 AWG
Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.	30 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	78 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Electric capacitance	30000 pF/km
Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s
AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Min. operating temperature (static)	-25 °C
Max. operating temperature (fixed)	70 °C
Operating temperature min. (dynamic)	-20 °C
Operating temperature max. (dynamic)	60 °C
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	7,5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter
Travel speed (C-track)	2 Mio. @ 25 °C

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: 2024-05-05

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