

## M12 female 90° A-cod. with cable

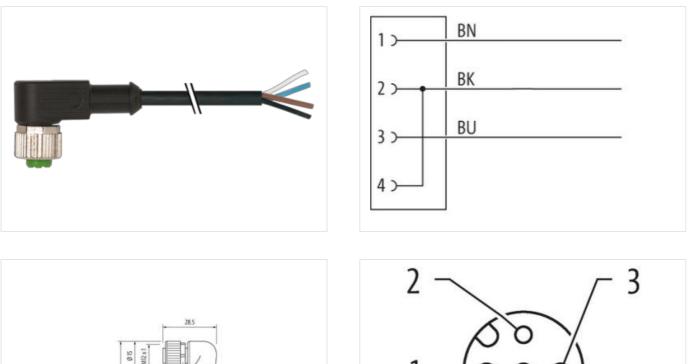
PUR 3x0.34 bk UL/CSA 3m

## **▲ NOTICE ▲** PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.

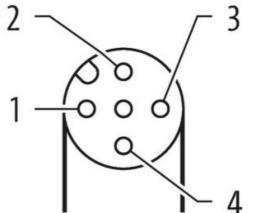
Female 90° M12, 4-pole bridged Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration



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Product may differ from Image



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

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Side 1     0.0 Nm       Tipfoning torqua     0.0 Nm       Ramily contrauction form     M18       Timead     M18.1       satable for corrugade tabe (internal 0)     10 rm       Material     PUP       With across flata     SW19       Degree of protection (EN EC 6055)     1968, 1967       Connectical Boot     2279218       ECLASS-6.0     2279218       ECLASS-6.0     2279218       ECLASS-6.0     2279218       ECLASS-7.0     2279218       ECLASS-7.0     2279218       ECLASS-7.0     2279218       ECLASS-7.0     27060311       ECLASS-7.0     27060311       ECLASS-7.10     27060311	Cable length	3 m
Muning method     insertind, scorwed       Family construction form     M12       Treadu     M12 × 1       astable for corrugated tube (internal 0)     10 mm       Maerial     PUR       With access this     SW13       Degree of profection (INTEC 60529)     IP60K, IP67       Commercial data     22729218       ECLASS 4.0     22729218       ECLASS 5.0     22729218       ECLASS 5.0     22729218       ECLASS 5.1     22709218       ECLASS 5.0     22709218       ECLASS 5.1     27000311       ECLASS 5.10     27000311       ECLASS 5.10     2000311       ECLASS 5.10     E0001555       actions tand number     8544290       GTM     4044875208062 <	Side 1	
Muning method     insertind, scorwed       Family construction form     M12       Treadu     M12 × 1       astable for corrugated tube (internal 0)     10 mm       Maerial     PUR       With access this     SW13       Degree of profection (INTEC 60529)     IP60K, IP67       Commercial data     22729218       ECLASS 4.0     22729218       ECLASS 5.0     22729218       ECLASS 5.0     22729218       ECLASS 5.1     22709218       ECLASS 5.0     22709218       ECLASS 5.1     27000311       ECLASS 5.10     27000311       ECLASS 5.10     2000311       ECLASS 5.10     E0001555       actions tand number     8544290       GTM     4044875208062 <	Tightening torque	0,6 Nm
Thread     M12 x 1       suitable for compated tube (internal 6)     10 mm       suitable for compated tube (internal 6)     10 mm       Worth accompated tube (internal 6)     PUR       Worth accompated tube (internal 6)     PUR       Worth accompated tube (internal 6)     PUR       Begree of protection (SH IEG 6059)     IP66K, IP67       Commercial data     27279218       ECLASS 5.1     27279218       ECLASS 5.0     27279218       ECLASS 5.0     27279218       ECLASS 5.0     27279218       ECLASS 5.1     27060311       ECLASS 5.1.0     27000311       Electrical data [Supply     0       Operating voltage C C/U. Istated </td <td></td> <td>inserted, screwed</td>		inserted, screwed
soliable for corrugated table (internal Ø)     10 mm       Material     PUR       With across fists     SW 13       Degree of protection (EN IEC 6052s)     IPERK. IPE7       Commercial date     22729218       ECLASS-6.0     27279218       ECLASS-6.1     27279218       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-8.0     27060311       ECLASS-1.0     27060311       ETM-5.0     ESC44290       catters tatiff number     8544290       catters tatiff antege AC max.     250 V       Operating voltage AC max.     250 V       Operating voltage AC max.     250 V       Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)		M12
Material     PUR       Width across flats.     SW13       Degree of protection (EN IEC 60529)     IPBER (IP57       Commercial data     ECLASS 6.0     27279218       ECLASS 6.1     27279218       ECLASS 6.0     27279218       ECLASS 5.0     27279218       ECLASS 5.0     27279218       ECLASS 5.0     27279218       ECLASS 5.0     27290311       ECLASS 5.1.1     27060311       ECLASS 5.1.0     27060311       ECLASS 5.1.0     27060311       ECLASS 5.1.0     27060311       ECLASS 5.1.0     27060311       ECLASS 1.1     27060311       ECLASS 1.2.0     27060311       ECLASS 1.3     27060311       ECLASS 1.4     27060311       ECLASS 1.5.0     27060311       ECLASS 1.7.0     27060311       ECLASS 1.7.0     27060311       ECLASS 1.7.0     27060311       ELASS 1.7.0     2706031       EVEND     404887806802       Packaging unit     1       Electrical data   Supty     0	Thread	M12 x 1
Widh across flats     SW13       Dagree of protection (EN IEC 60529)     IPBER. IP87       Commercial data     PERE. IP87       ECLASS-6.0     27279218       ECLASS-6.1     27279218       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-8.0     27279218       ECLASS-8.0     27279218       ECLASS-8.0     27060311       ECLASS-1.1     27060311       ECLASS-1.2     27060311       ECLASS-1.0     27060311       ECLASS-1.0     27060311       ECLASS-1.0     27060311       ECLASS-1.0     27060311       ECLASS-1.0     27060311       ECLASS-1.0     27060311       ECLASS-2.0     27060311       ETM-5.0     Eco01835       cuators staff rumber     8544280       GTN     4848290       GTN     4848290       Operating voltage AC max.     250 V       Operating voltage AC max.     250 V       Operating voltage COL     30 V       Carunt oparating may act max.     4.4	suitable for corrugated tube (internal $\emptyset$ )	10 mm
Degree of protection (EN IEC 68529)     IP66K, IP67       Commercial data     FEC/ASS-6.0     27279218       ECLASS-6.1     27279218     ECLASS-6.0     27279218       ECLASS-6.0     27279218     ECLASS-6.0     27279218       ECLASS-6.0     27279218     ECLASS-6.0     27279218       ECLASS-6.0     27260311     ECLASS-6.0     27260311       ECLASS-1.1     27060311     ECLASS-7.0     2706031       ECLASS-1.2     27060311     ECLASS-6.0     2706031       ECLASS-1.0     ECO00155     Gaisoms tariff number     65444290       GTIM     4048973020802     Packaging unit     1       Electrical data   Suppit     Commition of the state sta	Material	PUR
Commercial data     Commercial data       ECLASS-6.0     27279218       ECLASS-6.1     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27279218       ECLASS-6.0     27279218       ECLASS-9.0     27060011       ECLASS-10.1     27060011       ECLASS-10.1     27060011       ECLASS-10.2     27060011       ECLASS-10.1     27060011       ECLASS-10.2     27060011       ECLASS-10.2     27060011       ECLASS-10.2     27060011       ECLASS-10.4     27060011       ECLASS-10.4     27060011       ECLASS-10.4     27060011       ECLASS-10.4     27060011       ECLASS-10.4     27060011       ECLASS-10.4     4048879206802       Packaging unit     1       Electrical data [Suppity     Operating voltage AC max.       Operating voltage AC max.     250 V       Operating voltage AC max.     250 V       Operating voltage AC (UL-listot)     30 V       Curent operating acting A	Width across flats	SW13
ECLASS-6.0     27279218       ECLASS-6.1     27279218       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-7.0     27060311       ECLASS-10.1     27060311       ECLASS-11.1     27060311       ECLASS-12.0     27060311       ECLASS-13.0     ECO1555       nation staff number     8544290       GTIN     4048879208002       Packaging unit     1       Electrical data   Suppy	Degree of protection (EN IEC 60529)	IP66K, IP67
EULASS 6.1     27279218       EULASS 7.0     27279218       EULASS 6.0     27279218       EULASS 9.0     27060311       EULASS 7.0     2706031       EULASS 7.0     2706031       EULASS 7.0     250 V       Operating voltage AC (UL-listed)     30 V       Current operating voltage DC (UL-listed)     30 V       Current operating voltage AC (UL-listed)     30 V       Current operating no contact max.     4 A       Ibalalizion Consortion     Inceleit       Madimal arouting voltage AC (U	Commercial data	
ECLASS-7.0     27279218       ECLASS-8.0     27279218       ECLASS-8.0     27279218       ECLASS-8.0     27050311       ECLASS-10.1     27060311       ECLASS-11.1     27060311       ECLASS-12.0     27060311       ECLASS-12.0     27060311       ETM-5.0     EC001955       customs tariff number     8544290       GTIN     40487208802       Packaging unit     1       Electrical dta   Supply     Operating voltage AC max       Operating voltage AC max     250 V       Operating voltage AC max     250 V       Operating voltage DC max     250 V       Operating voltage DC max     250 V       Operating voltage DC (U-listed)     30 V       Operating voltage DC (U-listed)     1       Mouting set     M12 x 1       Device protection flagroe     inserted, screwed       <	ECLASS-6.0	27279218
ECLASS-8.0     27278218       ECLASS-9.0     27060311       ECLASS-9.0     27060311       ECLASS-1.1     27060311       ECLASS-12.0     27060311       ECLASS-12.0     27060311       ECLASS-12.0     27060311       ECLASS-12.0     27060311       ECLASS-12.0     27060311       CLASS-12.0     ECO1855       customs tariff number     8544280       GTIN     404872028802       Packaging unit     1       Electrical datal Supply     Comparison of the context max.       Operating voltage AC max.     250 V       Operating voltage AC (UL-listed)     30 V       Current operating near context max.     4 A       Installation   Connection     Installation   Connection degree       Installation   Gonection degree     inserted, screwed       Polizion Degree     3       Cading of (Ting)     nickel plated       Locking material     Zinc die-ca	ECLASS-6.1	27279218
ECLASS-9.0 27660311   ECLASS-10.1 27660311   ECLASS-11.1 27660311   ECLASS-12.0 27660311   ECLASS-12.0 27660311   ECLASS-12.0 27660311   ETIM-5.0 EC001855   outsoms taff number 8544290   GTIN 404879208802   Packaging unt 1   Electrical data [Supply Operating voltage AC max.   Operating voltage AC max. 250 V   Operating voltage DC max. 250 V   Operating voltage DC (UL-listed) 30 V   Current operating per contact max. 4 A   Installion   Connection M12 x 1   Device protection   Electrical M2 x 1   Additional condition protection degree inserted, screwed   Pollution Degree 3   Material group (ICE 60664-1) 1   Material group (ICE 60664-1) 1   Material group (ICE 60664-1) 1   Material droup (ICE 60664-1) 1   Material screw connection Zinc die-casting	ECLASS-7.0	27279218
ECLASS-10.1     27060311       ECLASS-11.1     27060311       ECLASS-12.0     27060311       ETIM-5.0     EC001855       customs tariff number     85444290       GTIN     4048879208802       Packaging unit     1       Electrical data   Supply	ECLASS-8.0	27279218
ECLASS-11.1   27060311     ECLASS-12.0   27060311     ETM-5.0   EC001855     customs taiff number   8544290     GTIN   4048679208802     Packaging unit   1     Electrical data   Supply   Operating voltage AC max.     Operating voltage AC max.   250 V     Operating voltage AC max.   250 V     Operating voltage AC (UL-listed)   30 V     Operating voltage DC CUL-listed)   30 V     Operating protocated max.   4 A     Installation   Connection   Mi12 x 1     Device protection   Electrical   Additional condition protection degree     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Casting locking   Nickeled     Coating locking   Nickeled     Coating locking   Nickeled     Coating locking material   Zinc die-casting     Material Strew connection   Zinc die-casting     Material funding data   Zinc die-casting     Material screw connection   Zinc die-casting     Material funding data   Sincelection     Poreating temperature min.	ECLASS-9.0	27060311
ECLASS-12.0   27060311     ETIM-5.0   EC001855     customs tariff number   8544290     GTIN   4048879208802     Packaging unit   1     Electrical data   Supply	ECLASS-10.1	27060311
ETIM-5.0   EC001855     customs tariff number   85444290     GTIN   4048879208902     Packaging unit   1     Electrical data   Supply	ECLASS-11.1	27060311
customs tariff number   85444290     GTIN   4048879208802     Packaging unit   1     Electrical data   Supply   Coperating voltage AC max.     Operating voltage AC max.   250 V     Operating voltage AC max.   250 V     Operating voltage AC max.   250 V     Operating voltage AC (Li-listed)   30 V     Current operating per contact max.   4 A     Installation   Connection   Mult x 1     Develop protection   Electrical   Mult x 1     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Ocating of fitting   nickel plated     Coating of fitting   inserted, screwed, Shaking protection     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   mode-casting     Material screw connection   Zinc die-casting     Methanical data   Mounting data   code-casting     Moutting method   inserted, screw	ECLASS-12.0	27060311
GTIN 4048879208802   Packaging unit 1   Electrical data   Supply   Operating voltage AC max. 250 V   Operating voltage AC (UL-listed) 30 V   Current operating per contact max. 4 A   Installation [ Connection Installation [ Connection   Mounting set M12 x 1   Device protection   Electrical Additional condition protection degree   Installation [ Connection inserted, screwed   Pollution Degree 3   Material group (IEC 60664-1) 1   Mechanical data   Material data Coating locking   Coating locking Nickeled   Coating of fitting nickel plated   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 characteristis   Climatic   Operating temperature man. 45 °C   Operating temperature man. 45 °C   Operating	ETIM-5.0	EC001855
Packaging unit   1     Electrical data   Supply   Coperating voltage AC max.   250 V     Operating voltage DC max.   250 V     Operating voltage DC (UL-listed)   30 V     Operating voltage DC (UL-listed)   30 V     Operating per contact max.   4 A     Installation   Connection   Installation   Connection degree     Mounting set   M12 x 1     Device protection   Electrical   Additional condition protection degree     Additional condition protection degree   3     Material group (IEC 60064-1)   1     Mechanical data   Material data   Coating of fitting     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Material screw connection   Zinc die-casting     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Qeerating     Operating temperature min.   -25 °C     Operating temperature range   depending on cable quality     Important installation notes   Sinc C     Additional condition temperature range   depending on cable quality  <	customs tariff number	85444290
Electrical data   Supply     Operating voltage AC max.   250 V     Operating voltage AC max.   260 V     Operating voltage AC (UL-listed)   30 V     Operating voltage AC (UL-listed)   30 V     Construction of the end o	GTIN	4048879208802
Operating voltage AC max.     250 V       Operating voltage AC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation   Connection     Mounting set       Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating locking       Coating locking     Nickeled       Coating locking     Nickeled       Coating locking     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.       -25 °C     Operating temperature mane.     85 °	Packaging unit	1
Operating voltage DC max.   250 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     Mounting set   M12 x 1     Device protection   Electrical   Additional condition protection degree     Additional condition protection degree   3     Material group (IEC 60664-1)   1     Mechanical data   Material data   Coating of fitting     Coating of fitting   nickel plated     Looking material   Zinc die-casting     Material strew connection   Zinc die-casting     Material tata   Mounting data   Coating of fitting     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Coating on cable quality     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important Installation notes   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties	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     Mounting set       Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating looking       Coating looking     Nickeled       Coating looking     Nickeled       Coating understraid     Zinc die-casting       Material strave connection     Zinc die-casting       Material strave connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius <t< td=""><td>Operating voltage AC max.</td><td>250 V</td></t<>	Operating voltage AC max.	250 V
Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation   Connection     Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree     inserted, screwed       Pollution Degree     3     Material group (IEC 60664-1)     I       Mechanical data   Material data     Coating locking     Nickeled     Coating of fitting       Coating locking     Nickeled     Coating of fitting     nickel plated     Coating of fitting       Locking material     Zinc cie-casting     Mechanical data   Mounting data     Mounting method     inserted, screwed, Shaking protection       Poirating 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	Operating voltage DC max.	250 V
Current operating per contact max.   4 A     Installation   Connection     Mounting set   M12 x 1     Device protection   Electrical     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Material group (IEC 60664-1)   1     Mechanical data   Material data   Coating (IEC 60664-1)     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 max.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Note on strain relief     Note on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Operating voltage AC (UL-listed)	30 V
Installation   Connection       Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     inserted, screwed       Pollution Degree     3       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     Mechanical data   Mounting data       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.	Operating voltage DC (UL-listed)	30 V
Mounting set M12 x 1   Device protection   Electrical inserted, screwed   Additional condition protection degree 3   Material group (IEC 60664-1) 1   Mechanical data   Material data 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   Mounting method inserted, screwed, Shaking protection   Environmental characteristics   Climatic Operating temperature min.   Operating temperature min. -25 °C   Operating temperature max. 85 °C   Additional condition temperature range depending on cable quality   Important installation notes 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.	Current operating per contact max.	4 A
Device protection   Electrical       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating (ocking       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.	Installation   Connection	
Additional condition protection degree   inserted, screwed     Pollution Degree   3     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   Inserted, screwed, Shaking protection     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Note on strain relief     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     Material group (IEC 60664-1)   I     Mechanical data   Material data   Coating locking   Nickeled     Coating locking   nickel plated   Coating of fitting     Locking material   Zinc die-casting   Material screw connection     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.   -25 °C     Operating temperature max.   85 °C   Additional condition temperature range   depending on cable quality     Important installation notes   Note on strain relief   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	
Material group (IEC 60664-1)   I     Mechanical data   Material data   Coating locking   Nickeled     Coating of fitting   nickel plated   I     Locking material   Zinc die-casting   I     Material screw connection   Zinc die-casting   I     Mechanical data   Mounting data   Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.   -25 °C     Operating temperature max.   85 °C   Additional condition temperature range   depending on cable quality     Important installation notes   Note on strain relief   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
Mechanical data   Material data     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   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.	Pollution Degree	3
Coating lockingNickeledCoating of fittingnickel platedLocking materialZinc die-castingMaterial screw connectionZinc die-castingMechanical data   Mounting dataMounting methodinserted, screwed, Shaking protectionEnvironmental characteristics   ClimaticOperating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityImportant installation notesNote on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Material group (IEC 60664-1)	
Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   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.	Mechanical data   Material data	
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.	Coating locking	Nickeled
Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on strain relief   Protect the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Coating of fitting	nickel plated
Mechanical data   Mounting data     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Locking material	Zinc die-casting
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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     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Mounting method	inserted, screwed, Shaking protection
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	Conformity	

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

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Product standard

DIN EN 61076-2-101 (M12)

Cable	
Cable identification	623
Cable Type	2 (PUR/PVC)
Approval (cable)	UL (AWM-Style 20549/1731), CSA; CE conform
Cable weight [g/m]	35,97 g
Material wire	Cu wire, bare
Resistor (core)	max. 57 Ω/km (20 °C)
Single wire Ø (core)	0.1 mm
Construction (core)	42× 0.1 mm (multi-strand wire class 6)
Diameter (core)	3× 0.34 mm <sup>2</sup>
AWG	similar to AWG 22
Material wire isolation	PVC
Material property wire insulation	CFC-, cadmium-, silicone- and lead-free
Shore hardness wire isolation	43 ±5 D
Wire-Ø incl. isolation	1.25 mm ±5%
Color/numbering of wires	black similar to RAL 9005
Stranding combination	3 wires twisted
Shield	no
Material jacket	PUR/PVC
Material property (jacket)	CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant
Shore hardness jacket	80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)
Duter-Ø (jacket)	4.3 mm ±5%
Color jacket	black
chemical resistance	good resistance to oil, gasoline and chemicals
Nominal voltage	UL 300 V AC
Fest voltage	2000 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-30+80 °C
Temperature range (mobile)	-5+80 °C
Bending radius (fixed)	10× outer Ø
Bending radius (dynamic)	15× outer Ø
No. of bending cycles (C-track)	max. 2 Mio. (25 °C)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 5 m/s <sup>2</sup>

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