

## M12 female 0° A-cod. with cable

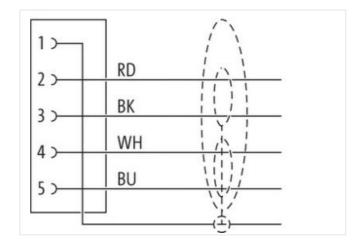
PUR AWG24+22 shielded bk UL/CSA+drag ch. 15m

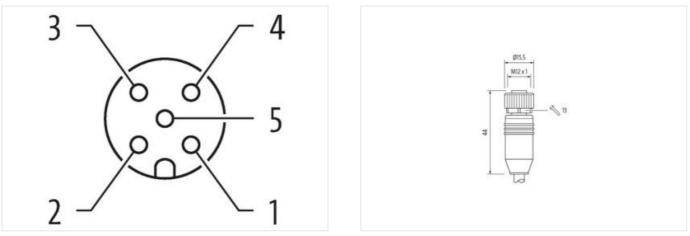
DeviceNet, CANopen Female straight M12, 5-pole A-coded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

Tightening torque

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-23

15 m

0,6 Nm



TreadM12 × 1CodingACodingAMatrianPURWidh across ItalsSW13Degree of protection (EN IEC 60529)1965. IP66K, IP67Side 2Stripping length (jackel)20 mmConnecicial datsECLASS-6.02706307ECLASS-6.12706307ECLASS-8.02706307ECLASS-8.02706307ECLASS-8.02706307ECLASS-8.02706307ECLASS-8.1.127060307ECLASS-8.2.02706307ECLASS-8.2.02706307ECLASS-8.1.127060307ECLASS-8.2.02706307ECLASS-8.2.02706307ECLASS-8.2.02706307ECLASS-8.2.02706307ECLASS-8.2.02706307ECLASS-8.2.02706307ECLASS-8.1.127060307ECLASS-8.2.02706307ECLASS-8.2.02706307ECLASS-8.2.02706307ECLASS-8.2.02706307ECLASS-8.2.02706307ECLASS-1.127060307ECLASS-1.127060307ECLASS-1.127060307ECLASS-1.1270640371Packaging unit1EDCASS-1.2.030 VOperating voltage AC max.60 VOperating voltage AC max.60 VOperating voltage AC (LL-Isted)30 VCorrent corrend max.4 AIstaliation   Connecton4Matrian giology (LL-Isted)30 VContend corrend max.	Mounting method	inserted, screwed
CodingAMatarialPURWith arcoss fulsSW13Degree of protection (EN IEC 00529)IPOS, PEOR, PB7Side 22Side 32Side 42Commercial data27001037ECLASS 6.127008037ECLASS 7.027008037ECLASS 7.027008037Pactaging unit404879807371Pactaging unit404879807371Pactaging unit30 VOperating village AC mA60 VOperating village AC (UL-Istek)30 VOperating village AC (UL-Iste	Family construction form	M12
Material         PUR           Widh across flats         SW13           Degree of prolection (IK NEC 60528)         PP61, PP67.           Std 2         Std 2           Stripping length (jackat)         20 mm           Commercial data         E           ECLASS 4.0         27661801           ECLASS 4.0         27660307           ECLASS 4.0         27660307           ECLASS 4.0         27660307           ECLASS 4.0         27060307           ECLASS 4.0         27060307           ECLASS 4.0         27060307           ECLASS 4.0         27060307           ECLASS 4.1         27060307           ECLASS 4.1 <t< td=""><td>Thread</td><td>M12 x 1</td></t<>	Thread	M12 x 1
Widh across fais         SW13           Dagine of protection (EN IEC 60529)         IP69, IP66K, IP67           Stropping length (jacket)         20 mm           Commercial data         2000007           ECLASS 6.0         27001901           ECLASS 6.1         27000007           ECLASS 6.0         27000007           ECLASS 6.1         27000007           ECLASS 6.1         27000007           ECLASS 6.1         27000007           ECLASS 6.1         27000007           ECLASS 7.0         E0000165           Cuadoms tuff number         8504290           GTM         404837807211           Pachaging unell         10	Coding	A
Pages of protection (EN IEC 60528)     IP65, IP66K, IP67      Strop     Strop	Material	PUR
SH0 2Stroppinghi (acket)20 mCommercial data20061001CASS-6.020060007CASS-6.120060007CASS-6.020060007CASS-8.020060007CASS-8.020060007CASS-8.020060007CASS-8.020060007CASS-8.120060007CASS-8.120060007CASS-8.120060007CASS-8.120060007CASS-8.120060007CASS-8.120060007CASS-8.120060007CASS-8.120060007CASS-8.22006007CASS-8.22006007CASS-8.22006007CASS-8.22006007CASS-8.22006007CASS-8.22006007CASS-8.22006007CASS-8.22006007CASS-8.22001665CASS-8.22001665CASS-8.22001665CASS-8.260 VOperating voltage AC ms.60 VOperating voltage AC ms.60 VOperating voltage AC ms.60 VOperating voltage AC ms.60 VOperating voltage AC lut-linedei90 VCurrent operating meta14 2Current operating meta14 2Additional (condition potection degree14 2Additional condition potection degree15 4Additional condition potection degree15 4Cating of Lifting16 4Additional condition potection degree16 4Cating of Lifting16 4Cat	Width across flats	SW13
Shipping length (jacket)         20 mm           Connecial dats         ECLASS-6.0         27061801           ECLASS-6.1         27060307         ECLASS-7.0         27060307           ECLASS-7.0         27060307         ECLASS-8.0         ECLASS-8.0         ECLASS-8.0         ECLASS-8.0         ECLASS-8.0         ECLASS-8.0         ECLASS-8.0         ECLASS-8.0         ECLASS-8.0         ECLASS-8.1         ECLASS-1	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial state           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-10.1         27060307           ETM-5.0         ECO01855           customs tainff number         6544290           GTN         40487307371           Packaging unit         1           Electrical data   Suppi         Operating voltage AC (UL-listed)           Operating voltage AC (UL-listed)         30 V           Current coparating (Incket)         A	Side 2	
ECLASS 6.0         27061801           ECLASS 6.1         27060307           ECLASS 7.0         27060307           ECLASS 8.0         27060307           ECLASS 8.0         27060307           ECLASS 8.0         27060307           ECLASS 1.1         27060307           ECLASS 1.2         27060307           ETM 4.0         ECOM855           customs taff number         85444290           GTIN         404879807371           Packaging unit         1           Electrical data   Supply         U           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage CO tenax.         60 V           Operating voltage CO LULIStatol         30 V           Current operating voltage CO LULIStatol         30 V           Operating voltage CO LULIStatol         30 V           Stopping long/h (ackol)         30 V           Nouting set         1.5 kV           Material gacun (	Stripping length (jacket)	20 mm
ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-1.1         1           Deprinting voltage AC max         60 V           Operating voltage AC (IL-Listed)         30 V           Current optictin degree         inserted, screwed           Polution	Commercial data	
ECLASS 7.0         27060307           ECLASS 8.0.         27060307           ECLASS 9.0.         27060307           ECLASS 9.1.1         27060307           ECLASS 9.1.1         27060307           ECLASS 9.1.1         27060307           ECLASS 9.1.1         27060307           ECLASS 9.2.0         27060307           ETM-5.0         EC001855           cuatoms strift number         85444290           GTIN         40483990371           Packaging unit         1           Electrical data [ Supply            Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Corrent operating voltage AC (UL-listed)         30 V           Corrent operating per contact max.         4 A           Institution [ Connection            Stripping length (tacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical            Additional condition protection degree         inserted, screwed           Pollution Degree         3           Carating diving         Nickeled           Contor for corrugato	ECLASS-6.0	27061801
ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-11         27060307           ECLASS-12.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-13.0         ECO01855           custom staff number         8544200           GTIN         4048879807371           Packaging unit         1           Electrical datal Suppy            Operating voltage AC max.         60 V           Operating voltage DC max.         10 mm	ECLASS-6.1	27060307
E0LASS-0.0     27060307       E0LASS-10.1     27060307       E0LASS-11.1     27060307       E0LASS-12.0     27060307       E0LASS-12.0     27060307       ETM-5.0     E0001655       customs tailf number     8544230       GTN     4048678807371       Packaging unit     1       Electrical data [Supply        Operating voltage AC max.     60 V       Operating voltage AC max.     60 V       Operating voltage DC max.     60 V       Operating voltage DC (LL-listed)     30 V       Operating voltage DC (LL-listed)     30 V       Operating voltage DC (LL-listed)     30 V       Current operating per contact max.     4 A       Installion   Connection     M12 x 1       Device protection   Electrical     M12 x 1       Additional condition protection degree     inserted, screwed       Pollucon Degree     3       Rated aurge voltage     1.5 kV       Material group (EC 60664-1)     1       Mechanical data   Material data     inserted, screwed       Pollucon Degree     3       Coating of fitting     nickle pladed       Material group (EC 60664-1)     1       Coating of fitting     nickle pladed       Material gaset     FKM <t< td=""><td>ECLASS-7.0</td><td>27060307</td></t<>	ECLASS-7.0	27060307
ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tatiff number         8544230           GTIN         4046873907371           Packajng unit         1           Etectrical data   Supply            Operating voltage AC max.         60 V           Operating voltage AC (UL listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Exterior Deconceton         Exterior Deconceton           Stripping length (jacket)         20 mm           Mouning set         M12 x 1           Device protection   Electrical         Servewed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (EC 60664-1)         1           Mechanicici data   Material data <td>ECLASS-8.0</td> <td>27060307</td>	ECLASS-8.0	27060307
EQLASS-11.1         27060307           EQLASS-12.0         27060307           EQLASS-12.0         27060307           EQLASS-12.0         ECO10555           customs tariff number         85444290           Customs tariff number         404873807371           Packaging unit         1           Electrical dital [Supply         U           Operating voltage AC max.         60 V           Operating voltage AC (LU-listed)         30 V           Current operating operator         4           Postaling or context max.         4           Installation   Connection         U           Stipping length (acket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical         U           Additional condition protection degree         instrat.           Istallation of correugated hose         1.5 kV           Material group (IEC 60684-1)         1           Mechanical data         Material data           Costing of fitting         nickel plated           Costing focking         Nickeled           Costing focking         Nickeled           Costing focking         Zince iceasting           Mechanical data   Material data         Yince i	ECLASS-9.0	27060307
ECLASS-12.0         27060307           ETIM-5.0         EC001835           customs taiff number         85444290           GTIM         4048879807371           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           Current operating per contact max.         4 A           Installation   Connection            Stripping length (jackat)         20 mm           Mounting set         M12 x 1           Device protection   Electrical            Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surg voltage AC         1           Mechanical data         I           Contour for corrugated hose         without           Mechanical data         I           Coating of fitting         nickel plated           Coating of fitting         nickel plated           Mechanical data [Material data         I           Mechanical data [Material data         I	ECLASS-10.1	27060307
ETIM-5.0         EC001855           customs taiff number         85444290           GTIN         4048079807311           Packaging unit         1           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           Current operating per contact max.         4 A           Installation   Connection            Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical            Addilonal condilion protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1, 5, KV           Material group (IEC 60664-1)         1           Mechanical data            Contor for corrugated hose         wilhout           Mechanical data         Mickelied           Coating locking         Nickelied           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting	ECLASS-11.1	27060307
customs tariff number         85444290           GTIN         4048879807371           Packaging unit         1           Electrical data   Supply         Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Operating policage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Stripping length (jacket)           Device protection   Electrical         M12 x 1           Device protection   Electrical         Stripping length (jacket)           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data         Material condition protection degree           Coating locking         Nickeled           Coating locking         Nickeled           Coating of fitting         nickel plated           Material gaaket         FKM <t< td=""><td>ECLASS-12.0</td><td></td></t<>	ECLASS-12.0	
GTIN     4048879807371       Packaging unit     1       Electrical data   Supply       Operating voltage AC max.     60 V       Operating voltage CD max.     4 A       Installation   Connection     50 V       Stripping length (jacket)     20 mm       Mounting set     M12 x 1       Device protection   Electrical     50 V       Additional condition protection degree     inserted, screwed       Polution Degree     3       Rated surge voltage CD (EC 60684-1)     1       Material group (IEC 60684-1)     1	ETIM-5.0	EC001855
Packaging unit     1       Electrical data   Supply     0       Operating voltage AC max.     60 V       Operating voltage AC (max.     60 V       Operating voltage AC (UL-lisked)     30 V       Operating voltage AC (UL-lisked)     30 V       Operating voltage AC (UL-lisked)     30 V       Current operating per contact max.     4 A       Installion   Connection     1       Stripping length (jacket)     20 mm       Mounting set     M12 x 1       Device protection   Electrical     1       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IE 60664-1)     1       Mechanical data     1       Contru for corrugated hose     without       Mechanical data   Material data     1       Coating locking     Nickeled       Coating of fitting     nickel plated       Material gaset     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die	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         V           Stripping length (lacket)         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         Useplated           Contour for corrugated hose         without           Material group (IEC 60664-1)         1           Coating of fitting         nickelp ated           Coating of fitting         nickel plated           Coating of fitting         nickelp ated           Material gasket         FKM           Locking aterial         Zinc die-casting           Material screw connection         Zinc die-c	GTIN	4048879807371
Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (LL-listed)         30 V           Operating voltage DC (LL-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         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data         vithout           Coating of fitting         nickel plated           Coating of fitting         nickel plated           Coating of fitting         nickel plated           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Sinserted, screwed, Shaking protection           Environmental characteristics   Climatic         Cooling or differences   Climatic           Operating temperature max.         85 °C           Operating temperature max.         85 °C	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 J Connection         Installation J 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)         I           Mechanical data         Image: Connection           Coating locking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mounting method         inserted, screwed, Shaking pr	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         Instellation 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 group (IEC 60664-1)           Contour for corrugated hose         without           Mechanical data   Material data         Coating locking           Coating locking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coating temperature min.           -25 °C         Operating temperature max.         85 °C<	Operating voltage AC max.	60 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         Instred, screwed           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data         Image voltage           Contour for corrugated hose         without           Mechanical data         Image voltage           Coating locking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material gasket         FKM           Locking material         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coating of protection           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coating temperature min.           Operating temperature 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       inserted, screwed         Pollution Degree       3         Rated surge voltage       1,5 kV         Material group (IEC 60664-1)       I         Mechanical data       Vector         Contour for corrugated hose       without         Mechanical data       Nickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Material gasket       FKM         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       Co         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality		30 V
Installation   Connection           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical         Installation   Connection degree           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1.5 kV           Material group (IEC 60664-1)         1           Mechanical data         Inserted, screwed           Contour for corrugated hose         without           Mechanical data         Material group (IEC 60664-1)           Contour for corrugated hose         without           Mechanical data         Material group (IEC 60664-1)           Material group (IEC 60664-1)         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc d	Operating voltage DC (UL-listed)	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)         1           Mechanical data            Contour for corrugated hose         without           Mechanical data   Material data            Coating locking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           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   Climatio         -25 °C           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       inserted, screwed         Contour for corrugated hose       without         Mechanical data   Material data       inserted, screwed         Coating locking       Nickeled         Coating locking       nickel plated         Material gasket       FKM         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	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            Contour for corrugated hose         without           Mechanical data            Contour for corrugated hose         without           Mechanical data         Material data           Coating locking         Nickeled           Coating locking         Nickeled           Coating af fitting         nickel plated           Material gasket         FKM           Looking 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.         85 °C           Additional condition temperature range         depending on cable 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       vithout         Mechanical data       without         Mechanical data   Material data       vithout         Contour for corrugated hose       without         Mechanical data   Material data       Nickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       V         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality	Mounting set	M12 x 1
Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       1,5 kV         Material group (IEC 60664-1)       I         Mechanical data       vithout         Mechanical data       without         Mechanical data   Material data       vithout         Contour for corrugated hose       without         Mechanical data   Material data       Nickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       V         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality	Device protection   Electrical	
Pollution Degree       3         Rated surge voltage       1,5 kV         Material group (IEC 60664-1)       1         Mechanical data       I         Contour for corrugated hose       without         Mechanical data   Material data       I         Coating locking       Nickeled         Coating of fitting       nickel plated         Material gasket       FKM         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		incarted screwed
Rated surge voltage       1,5 kV         Material group (IEC 60664-1)       I         Mechanical data       vithout         Contour for corrugated hose       without         Mechanical data   Material data       Vickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       -25 °C         Operating temperature max.       85 °C         Additonal condition temperature range       depending on cable quality		
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Mechanical data           Contour for corrugated hose         without           Mechanical data   Material data         Image: Coating locking         Nickeled           Coating locking         Nickeled         Image: Coating locking           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Image: Coating locking 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         epending on cable quality		
Contour for corrugated hose       without         Mechanical data   Material data       Nickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Mounting method         Mounting method       inserted, screwed, Shaking protection         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality		·
Mechanical data   Material data         Coating locking       Nickeled         Coating of fitting       nickel plated         Material gasket       FKM         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.         85 °C       Additional condition temperature range		
Coating lockingNickeledCoating of fittingnickel platedMaterial gasketFKMLocking materialZinc die-castingMaterial screw connectionZinc die-castingMechanical data   Mounting dataInserted, screwed, Shaking protectionMounting methodinserted, screwed, Shaking protectionEnvironmental characteristics   Climatic-25 °COperating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable quality		without
Coating of fittingnickel platedMaterial gasketFKMLocking materialZinc die-castingMaterial screw connectionZinc die-castingMechanical data   Mounting dataInserted, screwed, Shaking protectionMounting methodinserted, screwed, Shaking protectionEnvironmental characteristics   Climatic-25 °COperating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable quality	Mechanical data   Material data	
Material gasket       FKM         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	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       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality	Coating of fitting	nickel plated
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	Material gasket	FKM
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	Locking material	Zinc die-casting
Mounting methodinserted, screwed, Shaking protectionEnvironmental characteristics   ClimaticOperating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable quality	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	Mechanical data   Mounting data	
Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality	Environmental characteristics   Climatic	
Additional condition temperature range depending on cable quality	Operating temperature min.	-25 °C
	Operating temperature max.	85 °C
Conformity	Additional condition temperature range	depending on cable quality
	Conformity	

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Product standard

DIN EN 61076-2-101 (M12)

Installation   Cable	
Cable identification	838
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	2 Stranded joints twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	65 %
Banding	Foil
Drain wire (cross-section)	22 AWG
wire arrangement	(white, blue), (black, red)
No. of bending cycles (C-track)	1 Mio.
Cable weigth	63,12 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	6,9 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PE
Amount wires	2
Outer diameter insulation	2,1 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	64 ± 5 Shore D
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
Drain wire (cross-section)	22 AWG
Material conductor wire	copper stranded wire, tinned
Electrical function wire	Data
Material wire insulation (Data)	PE
Outer diameter wire insulation (Data)	1,5 mm
Tolerance outer diameter wire insulation (data)	± 53 %
Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free
Amount wires (Data)	2
Amount strands wire (Data)	19
Diameter of single wires (Data)	22 AWG
Conductor crosssection wire (Data)	22 AWG
Material conductor wire (Data)	copper stranded wire, tinned
Electrical function wire (data)	Power
Traversing distance (C-track)	5 m
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Current load capacity min. Wire (Data)	6 A
Electrical function wire	Data
Electrical function wire (data)	Power
Characteristic impedance	120 Ω ± 10 % @ 1 MHz
Electrical resistance line constant wire	78 Ω/km
Electrical resistance coating wire (Data)	54 Ω/km
Nominal voltage power AC max.	300 V
Electric capacitance (power)	40000 pF/km

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AC withstand voltage power (wire - shield)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 30 °/m

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