

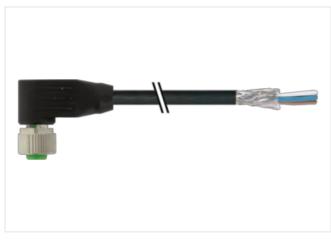
## M12 female 90° A-cod. with cable shielded

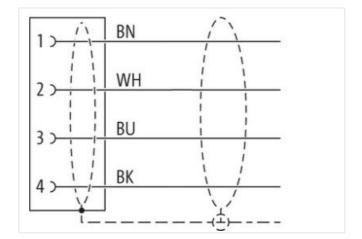
PVC 4x0.34 shielded bk UL/CSA 20m

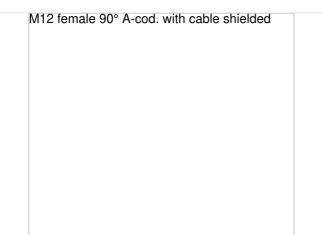
Female 90° M12, 4-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

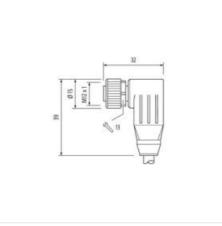
## Link to Product

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: 2024-04-26

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20 m

0,6 Nm



Thread         M12 x 1           Doding         A           Wath acrose flats         SW13           Degree of protection (EN IEC 60528)         P65, IP66K, IP67           Commercial dats         E           ECLASS 6.0         27279218           ECLASS 7.0         27279218           ECLASS 6.0         27279218           ECLASS 7.0         27260311           ECLASS 7.0         27060311           ECLASS 7.1         27060311           ECLASS 7.20         27060311           ECLASS 7.1.1         27060311           ECLASS 7.20         27060311           ECLASS 7.1.1         27060311           ECLASS 7.20         27060311           Electacid data   Supply         E           Dyarating voltage AC max.         60 V           Operating voltage CD CMAX.         60 V           Dyarating voltage CD CUL-listedV         30 V	Mounting method	inserted, screwed
SciencyAKalarialPURWitch access fata'sSW193Witch access fata'sSW193Degree of protection (EN EC 05029)IP65, IP67Commercial data27279218ECLASS-4.027279218ECLASS-4.027279218ECLASS-4.027279218ECLASS-4.027279218ECLASS-4.027200311ECLASS-1027000311ECLASS-1127000311ECLASS-12.027000311ECLASS-12.027000315ECLASS-12.027000315ECLASS-12.027000315ECLASS-12.027000315ECLASS-12.027000315ECLASS-12.027000315ECLASS-12.027000315ECLASS-12.027000316ECLASS-12.027000315ECLASS-12.027000315ECLASS-12.027000315ECLASS-12.027000315ECLASS-12.027000316ECLASS-12.027000315ECLASS-12.027000315ECLASS-12.027000315ECLASS-12.027000315ECLASS-12.027000316ECLASS-12.027000316ECLASS-12.027000316ECLASS-12.027000315ECLASS-12.027000315ECLASS-12.027000316ECLASS-12.027000316ECLASS-12.02700031ECLASS-12.02700031ECLASS-12.02700031ECLASS-12.02700031ECLASS-12.02700031ECHASS ELASS-12.02700031 <tr< td=""><td>Family construction form</td><td>M12</td></tr<>	Family construction form	M12
Valencial         PUR           Width across flats         SW13           Width across flats         SW13           Septers of profection (EN IEC 60529)         IPP5, IPP67, IPP67           Commercial data         27279218           SCLASS-6.0         27279218           SCLASS-8.0         27279218           SCLASS-8.0         27279218           SCLASS-9.0         27060311           SCLASS-9.10         27060311           SCLASS-9.11         05001855           SCLASS-9.11         05019           Schappating vallage AC max.         60 V           Speraling vallage AC max.         60 V           Speraling vallage AC max.         60 V           Speraling vallage AC max.	Thread	M12 x 1
Width across ItalaSW13Pagree of protection (EN IEC 6052)IPS, IPSK/ IPS7Commercial Autor2727218ECLASS 4.02727218CCLASS 4.02727218CCLASS 4.02727218CCLASS 4.027200311CCLASS 4.027000311CCLASS 1.127000311CCLASS 1.227074333Packaging unit1Electrical dotal ISoppyParkaging unit1Electrical dotal ISoppy30 VDeparating voltage AC (UL-stead)30 VDeparating voltage AC (UL-stead)30 VDeparating voltage AC (UL-stead)30 VCurrent operating voltage AC (UL-stead)30 VDeparating voltage AC (UL-stead)30 VCurrent operating voltage AC (UL-stead)30 VCurrent operating voltage AC (UL-stead)30 VDeparating voltage AC (UL-stead)30 VCurrent operating voltage AC (UL-stead)30 V <t< td=""><td>Coding</td><td>Α</td></t<>	Coding	Α
Degree of protection (EN IEC 60529)IP66, IP664, IP67Commercial dataECLASS-6.027279218ECLASS-6.027279218ECLASS-6.027279218ECLASS-6.027279218ECLASS-6.027279218ECLASS-6.027279218ECLASS-6.027279218ECLASS-6.127050311ECLASS-10.127050311ECLASS-11.227050311ECLASS-12.027000311ECLASS-12.027000311ECLASS-13.10001855ECLASS-14.10001855ECLASS-14.10001855ECHASS-12.086444290STIN408497774833Padaging unit1ELECHCAI data   Supply90ELECHCAI data   Supply00 VDeparting voltage DC MA.60 VOperating voltage DC MA.60 VDeparting voltage DC MA.60 VStatistical Construct4 AELEASCHCAID (ELECHCAID1Matteria grave connection1Adata data yar	Material	PUR
Commercial dataCLASS-6.027272018CLASS-6.027272018CLASS-6.027272018CLASS-6.0272700311CLASS-6.027060311CLASS-10.127060311CLASS-11.127060311CLASS-12.027060311CLASS-12.027060311CLASS-12.027060311CLASS-12.027060311CLASS-12.027060311CLASS-12.027060311CLASS-12.027060311CLASS-12.027060311CLASS-12.027060311CLASS-12.027060311CLASS-12.027060311CLASS-12.027060311CLASS-12.027060311CLASS-12.027060311CLASS-12.027060311CLASS-12.027060311CLASS-12.027060311CLASS-12.027060311CLASS-12.04007Packaging unit1CLASS-12.010CLASS-12.010 VCLASS-12.030 VCLASS-12.030 VCLASS-12.030 VCLASS-12.010 VCLASS-12.0<	Width across flats	SW13
ECLASS 6.027279219ECLASS 7.027279219ECLASS 7.027279219ECLASS 8.027279219ECLASS 8.10.127060311ECLASS 1.127060311ECLASS 1.127060311ECLASS 1.2.027060311ECLASS 1.2.027060311ECLASS 1.3.127060311ECLASS 1.3.127060311ECLASS 1.3.127060311ECLASS 1.3.127060311ECLASS 1.3.127060311ECLASS 1.3.127060311ECLASS 1.3.127060313ECLASS 1.3.127060313ECLASS 1.3.127060313ECLASS 1.3.127060313ECLASS 1.3.127060313ECLASS 1.3.127060313ECLASS 1.3.127060313ENAMPS2707433ENAMPS<	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
CLASS 7.022279219CLASS 8.02770218CLASS 8.027000311CLASS 9.0127000311CLASS 9.0127000311CLASS 9.10.127000311CLASS 9.12.027000311CLASS 9.12.027000311CLASS 9.13CO01885LEXENS 9.14027000311Electical distance027000311Electical distance02804aging unit1Electical distance02004aging unit0Deparating voltage AC max.60 VOperating voltage AC luck 18:0030 VDeparating voltage AC cluck 18:0010 VParatical distance10 VDeparating voltage AC Cluck 18:0010 VDeparating voltage AC Max20	Commercial data	
ECLASS 8.0         27279218           ECLASS 9.0         27060311           ECLASS 9.0         27060311           ECLASS 9.1         27060311           ECLASS 9.1         27060311           ECLASS 9.0         27060311           ECLASS 9.0         27060311           ECLASS 9.0         ECO10655           sustoms attrift number         8544290           TIN         404897977483           Packaging unit         1           Electrical data [ Suppit            Dyparating voltage AC (max.         60 V           Operating voltage AC (ML-listed)         30 V           Dyparating voltage AC (UL-listed)	ECLASS-6.0	27279218
ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         EC001855           ECLASS-11.1         Mainterint State           State         EC001855           ECLASS-11.1         Mainterint State           State         EC001855           Electical data   Supply         Mainterint State           Operating voltage CC         60 V           Operating voltage CC         60 V           Operating voltage CC         60 V           Operating voltage CC         90 V           Operating voltage CC         10 V           Device protection   Electrical         Mainterint State           Maintal condition protection degree         inserted, screwed           Polution Degree         1           Material screw concetion         1.5 kV           Material screw concetion         1.5 kV           Material screw concetion         1.5 kV           Material screw concetion	ECLASS-7.0	27279218
ECLASS 10.1         27060311           ECLASS 12.0         27060311           ETM-5.0         EC001895           austons Laiff number         8544290           STIN         40487774833           Packaging unit         1           Electrical data   Suppy	ECLASS-8.0	27279218
ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         ECO01855           Stations tariff number         85444290           Sations tariff number         404897974833           Packaging unit         1           Electrical data   Supply         V           Operating voltage AC max.         60 V           Operating voltage AC (LL-listed)         30 V           Operating voltage AC (LL-listed)         30 V           Operating voltage DC (LL-listed)         30 V           Device protection   Electrical         4 A           Mouting set         M12 x 1           Device protection   Electrical         Nickel of a served           Voltand Long Protection   Electrical         Status argo voltage           Mouting set         1.5 kV           Material argoup (EC 60664.1)         1           Mechanical data   Meterial data         Status argo           Data of fitting         nickel plated           Data of fittin	ECLASS-9.0	27060311
ECLASS 12.0         27060311           ETIM-5.0         EC001855           Stations larif number         8544260           STIN         4048879774833           Packaging unit         1           Electrical data   Supply         Deperating voltage AC max.           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (Listed)         30 V           Outsing set         M12 x 1           Device protection   Electrical         Vd4ditional condition protection degree           Valuerial group (IEC 60684-1)         I           Mechanical data   Material data         Zinc discasting           Valuerial group (IEC 60684-1)         I           Mechanical data   Mouting data         Zinc discasting           Valuerial grow conne	ECLASS-10.1	27060311
ETIM-S.0         EC001855           sustoms tariff number         85444290           STN         404887974833           Packaging unit         1           Electrical data   Supply         50           Operating voltage DC max.         60 V           Operating voltage DC (UL-listed)         30 V           Statistical I Connection         30 V           Installation   Connection         4 A           Installation   Connection         Installation   Connection           Wouting set         M12 x 1           Device protection   Electrical         Hock Screwed           Polution Degree         3           Tated surge voltage         1,5 kV           Vational Conform         issertid, screwed           Polution Degree         3           Coaling locking         Nickeled           Coaling locking         Nickeled           Coaling of fitting         nickel plated           Coaling of fitting         Nickeled           Coaling of fitting         Screwed, Staking protection           Environmenti characteristics   Climation	ECLASS-11.1	27060311
bustoms tariff number         85444290           3TN         4048879774833           Packaging unit         1           Electrical dia I Supply         60 V           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Deprating voltage DC (UL-listed)         30 V           Device protection I Electrical         M12 x 1           Device protection I Electrical         M12 x 1           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Adade surge voltage         1,5 kV           Material group (EC 60684-1)         1           Electrical data   Material data         inckel plated           Joading of titting         inckel plated           Joading di titting voltage         Zinc dia-casting           Material	ECLASS-12.0	27060311
ATIN     4048879774833       Packaging unit     1       Electrical data   Supply     60 V       Operating voltage AC max.     60 V       Operating voltage AC max.     60 V       Operating voltage AC (LL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation   Connection     UL       Voluming set     M12 x 1       Device protection   Electrical     UL       Additional condition protection degree     inserted, screwed       Polution Degree     3       Rated surge voltage     1,5 kV       Material group (ICC 60664-1)     I       Mechanical data   Material data     Conderating mickel plated       Coating of fitting     nickel plated       Coating of fitting     nickel plated       Coating of fitting     inserted, screwed, Shaking protection       Mechanical data   Mounting data     Jone de-casting       Mechanical data   Mounting data     25 °C       Operating temperature max.     85 °C       <	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-isted)         30 V           Current operating per contact max.         4 A           Installation   Connection         Max 1           Device protection   Electrical         Max 1           Addition protection degree         inserted, screwed           Pollution Degree         3           atted surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Zinc die-casting           Coating of fitting         nickel plated           Coating of fitting         inserted, screwed. Shaking protection           Mechanical data   Mounting data         Zinc die-casting           Mechanical data   Mounting data         Jinc die-casting           Volting method         Inserted, screwed. Shaking protection           Ervironmental characteristics   Climatic         Zinc die-casting           Voluning methor	customs tariff number	85444290
Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Device protection perating per contact max.         4 A           Installation   Connection         inserted, screwed           Operating voltage DC (UL-listed)         30 V           Device protection   Electrical         inserted, screwed           Polution protection degree         inserted, screwed           Polution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Inceleed           Coating locking         Nickeled           Coating of fitting         nickel plated           .coking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         screwed, Shaking protection           Environmental characteristics   Climatic         So °C           Operating temperature min.         -25 °C           Operating temperature min.         -25 °C	GTIN	4048879774833
Operating voltage AC max.         60 V           Operating voltage DC 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         M12 x 1           Device protection   Electrical         M2 x 1           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Atated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Zinc die-casting           Coating of fitting         nickel plated           Coating of King         Zinc die-casting           Metanical data   Mounting data         Vince decasting           Metanical data   Mounting data         Since die-casting           Mouting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         25 °C           Operating temperature max.         85 °C           Additional condition temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Contornity         25 °C           Op	Packaging unit	1
Operating voltage DC max.         60 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Contract max         4 A           Installation   Connection         M12 x 1           Device protection   Electrical         M12 x 1           Device protection   Sected & Screwed         Pollution Degree           Pollution Degree         3           Tated surge voltage         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data         Screwed           Soling of fitting         nickel plated           Coxing of fitting         nickel plated           Coxing of fitting         nickel plated           Coxing of fitting         niserted, screwed, Shaking protection           Mechanical data   Mounting data         Screwed, Shaking protection           Mechanical data   Mounting data         Screwed, Shaking protection           Porating temperature min.         -25 ° C           Operating temperature max	Electrical data   Supply	
Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Surrent operating per contact max.         4 A           Installation   Connection         Installation   Connection           Wounting set         M12 x 1           Device protection   Electrical         Installation   Connection           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Tated surge voltage         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data         Conting contact max.           Zoating locking         Nickeled           Zoating ocking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Mounting method         inserted, screwed, Shaking protection           Environmetal characteristics   Climatic         Contromito           Deprating temperature min.         -25 °C	Operating voltage AC max.	60 V
Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         M12 x 1           Device protection   Electrical         Kather (Second)           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Palled surge voltage         1,5 kV           Material group (IEC 66664-1)         I           Mechanical data   Material data         Coating of fiting           Coating of fiting         nickel plated           -oxing material         Zinc die-casting           Material group (IEC 66664-1)         Zinc die-casting           Material group (IEC 66664-1)         I           Mechanical data   Material data         Coating of fiting           Coating of fiting         nickel plated           -oxing material         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Sinserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coating           Multing temperature min.         -25 °C           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           A	Operating voltage DC max.	60 V
Durrent operating per contact max.         4 A           Installation   Connection         Mil x 1           Device protection   Electrical         Mil x 1           Device protection protection degree         inserted, screwed           Pollution Degree         3           Tated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         -           Coating locking         Nickeled           Coating of fitting         nickel plated           Coating of fitting         nickel plated           Coating of fitting         nickel easting           Methanical data   Mounting data         -           Methanical data   Mounting data         -           Methanical data   Mounting data         -           Munting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         -           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         degening on cable qualify           Conformity         -           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Installation   Cable </td <td>Operating voltage AC (UL-listed)</td> <td>30 V</td>	Operating voltage AC (UL-listed)	30 V
Installation   Connection           Wounting 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         Inserted, screwed           Coating of fitting         nickel plated           Coating of fitting         inckel plated           Coating of fitting         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         S°C           Operating temperature min.         -25 °C           Operating temperature range         depending on cable quality           Conformity         UN EN 61076-2-101 (M12)           Product standard         IDN EN 61076-2-101 (M12)           Installation   Cable         IPUN EN           Coalor Group         IPUN EN           Coalor Group         IPUN EN	Operating voltage DC (UL-listed)	30 V
Munuting 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 6064-1)         1           Mechanical data   Material data         Inserted, screwed           Scating of fitting         Nickeled           Coating of fitting         Nickeled           Coating of fitting         Incele-casting           Mechanical data   Mounting data         Incele-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         S <sup>2</sup> C           Opperating temperature min.         -25 °C           Opperating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Contornity         Inserted-screwed, Staking protection           Installation   Cable         INE No 1076-2-101 (M12)           Isatel color         green           Color         Ipperating temperature max.           Additional condition temperature range <td>Current operating per contact max.</td> <td>4 A</td>	Current operating per contact max.	4 A
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         International data   Material data           Coating locking         Nickeled           Coating of fitting         nickel plated           .ocking 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           Opperating temperature min.         -25 °C           Opperature min.         -25 °C           Opperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         DIN EN 61076-2-101 (M12)           Product standard         179           Jacket Color         green           Type of Certificate         QINRus	Installation   Connection	
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	Mounting set	M12 x 1
Pollution Degree       3         Rated surge voltage       1,5 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Image: Construct of Construc	Device protection   Electrical	
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           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         S °C           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         Inserted.2:101 (M12)           Installation   Cable         Inserted.2:101 (M12)           Lable identification         179           Jacket Color         green           Type of Certificate         Inserted	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)       I         Mechanical data   Material data       I         Coating locking       Nickeled         Coating of fitting       nickel plated         cocking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       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         Contormity       IN EN 61076-2-101 (M12)         Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       Zable identification         Cable identification       179         Jacket Color       green         Type of Certificate       cURus	Pollution Degree	3
Mechanical data   Material data           Coating locking         Nickeled           Coating of fitting         nickel plated           cocking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         inserted, screwed, Shaking protection           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Inserted.           Cable identification         179           Jacket Color         green           Type of Certificate         URUS	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           Methanical data   Mounting data         Inserted, screwed, Shaking protection           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Inserted, screwed, Shaking protection           Experiang temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Inserted, Screwed, Shaking protection           Cable identification         179           Lacket Color         green           Type of Certificate         URvs	Material group (IEC 60664-1)	
Coating of fitting       nickel plated         cocking 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 min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Conformity	Mechanical data   Material data	
Coating of fitting       nickel plated         cocking 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 min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Conformity	Coating locking	Nickeled
cocking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         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           Conformity         IN EN 61076-2-101 (M12)           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Inserted, screwed, Shaking protection           Cable identification         179           Iacket Color         green           Type of Certificate         CIPUs		
Material screw connection       Zinc die-casting         Mechanical data   Mounting data       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         Conformity       -         Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       179         Cable identification       179         Iacket Color       green         Type of Certificate       culRus	Locking material	
Mechanical data   Mounting data           Wounting 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           Conformity         -25 °C           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable	Material screw connection	
Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic         Deperating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Conformity       UN EN 61076-2-101 (M12)         Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       179         Cable identification       green         Type of Certificate       cURus	Mechanical data   Mounting data	
Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Conformity          Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable          Cable identification       179         Jacket Color       green         Type of Certificate	Mounting method	inserted, screwed, Shaking protection
Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Conformity          Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable          Cable identification       179         Jacket Color       green         Type of Certificate	-	
Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     DIN EN 61076-2-101 (M12)       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     179       Cable identification     green       Type of Certificate     cURus		
Additional condition temperature range depending on cable quality Conformity Product standard DIN EN 61076-2-101 (M12) Installation   Cable Cable identification 179 Jacket Color green Type of Certificate cURus	Operating temperature max.	
Conformity       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable       Cable identification     179       Jacket Color     green       Type of Certificate     cURus	Additional condition temperature range	
Product standard DIN EN 61076-2-101 (M12) Installation   Cable Cable identification 179 Jacket Color green Type of Certificate cURus	, 2	
Installation   Cable       Cable identification     179       Jacket Color     green       Type of Certificate     cURus	-	DIN EN 61076-2-101 (M12)
Cable identification     179       Jacket Color     green       Type of Certificate     cURus		
Jacket Color green Type of Certificate cURus	·	170
Type of Certificate CURus		
		-
Amount stranding 2		
	Amount stranding	۲

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Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	2 Stranded joints with Filler twisted
Banding	Fleece
Filler	yes
wire arrangement	brown, white, red, blue, pink, gray, yellow, green
Cable weigth	60,5 g/m
Material jacket	PVC
Shore hardness jacket	92 ± 3 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free
Outer-diameter (jacket)	6,1 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	4
Outer diameter insulation	1,1 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	55 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	7
Diameter of single wires	24 AWG
Conductor crosssection (wire)	24 AWG
Material conductor wire	copper stranded wire, tinned
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	3,6 A
Characteristic impedance	100 Ω
Electrical resistance line constant wire	87 Ω/km @ 20 °C
Nominal voltage power AC max.	300 V
Electric capacitance (power)	49000 pF/km
Power frequency withstand voltage power (wire - jacket)	0,5 kV @ 60 s
AC withstand voltage power (wire - wire)	0,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
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)	7 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter

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