

## M12 male 90° / M12 female 0° A-cod.

TPE 4x18AWG ye UL/CSA. ITC/PLTC 2m

Art.No.: 7700-40201-1500200 Weight: 0.19 Country of origin: US Model designation: MSBL0-C-T150 2.0

## Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available <u>on request</u>

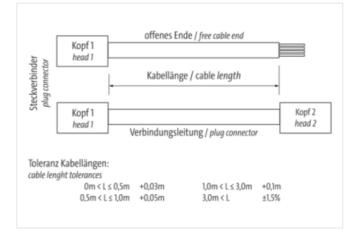
If you are missing technical information? Please feel free to use our dictionary to find more technical details.

Product details: Male 90° – female straight M12 – M12, 4-pole USA Cable is approved for 600 V 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

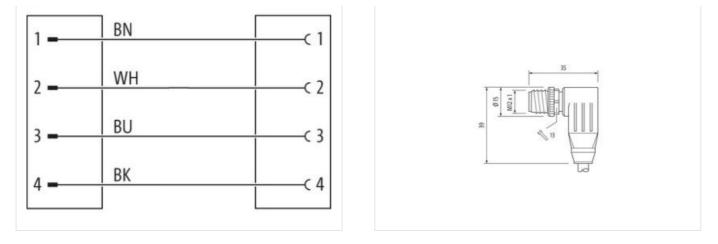
## Illustration

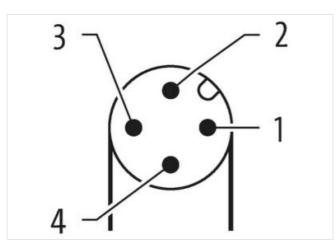


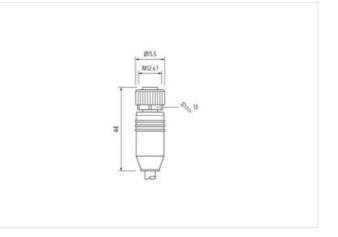


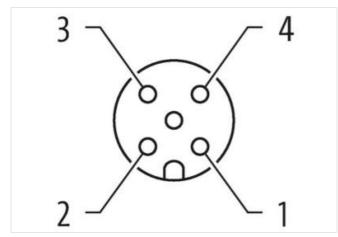
The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-08-06











Product may differ from Image



| Cable length      | 2 m    |
|-------------------|--------|
| Side 1            |        |
| Tightening torque | 0,6 Nm |

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| Family construction formM12ThreadM12 ± 1Cable outletangledCodingAN.G. Tpoles4With access listsSW13Degree of protection (FM EC 6025)IP65, FP67, IP67Side 2TTightening torque0.6 MmMounting melhodinserted, screwedFamily construction formM12TreadM12 ± 1Cable outletetralightCodingANo. of poles4With access listsSW13Degree of protection (EM EC 60529)IP65, IP66K, IP67Cable outletetralightCable outletstralightCable outletstralightCable outletstralightCables4With access listsSW13Degree of protection (EM EC 60529)IP65, IP66K, IP67Commercial dataECLASS-0ECLASS-027279218ECLASS-1027060311ECLASS-1027060311ECLASS-10.127060311ECLASS-10.227060311ECLASS-1127060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.027060311ECLASS-12.02706031EAM40468795 0567EAM40468795 0567EAM40468795 0567EAM40468795 0567EAM40468795 0567EAM40468795 0567EAM40468795 0567EAM40468795 0567EAM40   | Mounting method                        | inserted, screwed |
|--|--|-------------------|
| Gabb outletangledCodingANo of poles4With scross flatsSW13Degree of protection (EW IEC 06029)IP65, IP67Side 2TTighning lorque0.6 NmMounting methodinserted, scrowedFamily construction formM12ThreadM12 x 1Cable outletstraightCodingANo. of poles4With across flatsSW13Degree of protection (EW IEC 06529)IP65, IP67, IP67Commercial data2779218ECLASS-4.027279218ECLASS-4.027279218ECLASS-4.027279218ECLASS-4.027279218ECLASS-4.027279218ECLASS-4.027279218ECLASS-4.027000311ECLASS-4.027000311ECLASS-4.027000311ECLASS-4.027000311ECLASS-4.0ECO01855customs taiff number8544230customs taiff number8544230customs taiff number8544230Customs taiff number8544230Customs taiff number250 VOperating voltage D (Lu-Mated)30 VOperating v   | Family construction form               | M12               |
| CodingANo. of poles4No. of poles4No. of poles4No. of poles98, P56K, P67Side 2Perse of protection (EN EC 60529)P68, P56K, P67Side 2Timping normodInserted, serowedMounting methodInserted, serowedFamily construction formM12 x 1Cable outletetraightCodingANo. of poles4Width across flatsSW13Degree of protection (EN EC 60529)P68, P66K, P67Commercial dataECLASS-A0ECLASS-A027279218ECLASS-A027279218ECLASS-A027279218ECLASS-A027060311ECLASS-A027060311ECLASS-10.127060311ECLASS-11.127060311ECLASS-12.027060311ECLASS-13.0EC001855customs tariff number8544280customs tariff number8544280EAN404879518567EAA404879518567EAA404879518567EAA404879518567EAA404879518567EAA404879518567EAA404879518567EAA404879518567EAA404879518567EAA404879518567EAA404879518567EAA404879518567EAA404879518567EAA404879518567EAA404879518567EAA404879518567EAA404879518567EAA404879518   |  | M12 x 1           |
| No. of poles       4         Windt across flats       SW13         Degree of protection (EN IEC 60526)       IP65, IP66K, IP67         Sife 2       Tightening torque       0.6 Nm         Mounting method       Inserted, acrewed         Family construction form       M12         Thread       M12 x 1         Cable outlet       etaraight         Coding       A         No. of poles       4         Width across flats       SW13         Degree of protection (EN IEC 60529)       IP65, IP66K, IP67         Commercial data       ECLASS-7.0         ECLASS-7.0       27279218         ECLASS-7.0       27279218         ECLASS-10.1       27060311         ECLASS-10.2       27090311         ECLASS-10.2       27090311         ECLASS-10.3       27090311         ECLASS-10.4       27090311         ECLASS-10.5       27090311         ECLASS-10.4       27090311         ECLASS-10.5       27090311         ECLASS-10.4       27090311         ECLASS-10.5       27090311         ECLASS-10.6       27090311         ECLASS-10.7       27090311         ECLASS-10.8       270   | Cable outlet                           | angled            |
| Widh across flats     SW13       Degree of protection (EN IEC 60529)     IP65, IP66K, IP67       Side 2     Tightening torque     0.6 Nm       Mounting method     inserted, screwed       Family construction form     M12       Thread     M12 x 1       Coable outlet     straight       Coding     A       No. of poles     4       Widh across flats     SW13       Degree of protection (EN IEC 60529)     IP65, IP66K, IP67       Commercial data     ECLAS8-6.0       ECLAS8-6.0     27279218       ECLAS8-6.0     27279218       ECLAS8-6.0     27279218       ECLAS8-6.0     27279218       ECLAS8-6.0     27279218       ECLAS8-7.0     27260631       ECLAS8-7.0     2706031       ECLAS8-7.0     2706031   <  | Coding                                 | Α                 |
| Degree of protection (EN IEC 60529)     IP65, IP66K, IP67       Side 2     Inserted, screwed       Mounting method     inserted, screwed       Family construction form     M12       Thread     M12 X 1       Cable outlet     straight       Coding     A       No. of poles     4       Width across flatis     SW13       Degree of protection (EN IEC 60529)     IP65, IP66K, IP67       Commercial data     ECLASS-0       ECLASS-0     27279218       ECLASS-0     27279218       ECLASS-0     27279218       ECLASS-0     27279218       ECLASS-10.1     27060311       ECLASS-10.2     27060311       ECLASS-10.3     27060311       ECLASS-10.4     2706031       ECLASS-10.5     2706031       ECLASS-10     2706031       ECLASS-10     2706031       ECLASS-10     2706031       ETM-5.0     EC001855       Customs tariff number     85444290       Customs tariff number     8544290 <t< td=""><td>No. of poles</td><td>4</td></t<>  | No. of poles                           | 4                 |
| Bide 2     0.6 km       Tightening torque     0.6 km       Hounting method     inserted, screwed       Family construction form     M12       Thread     M12 x 1       Cable cultel     straighth       Coding     A       No. ol poies     4       With across flats     SW13       Degree of protection (EN EC 60529)     IP65, IP66K, IP67       Commercial data     ECLASS-40.0       ECLASS-40.0     27279218       ECLASS-40.0     27279219       ECLASS-40.0     27279219       ECLASS-40.0     27279219       ECLASS-40.0     27279219       ECLASS-10.1     27060311       ECLASS-11.1     27060311       ECLASS-12.0     2706031       ECLASS-13.0     EC001885       custom tariff number     ES444290       custom tariff number     ES444290<   | Width across flats                     | SW13              |
| Tightening lorque0.6 NmMounting methodinserted, screwedFamily construction formM12ThreadM12 x 1Cable outletstraightCodingANo. of poles4Viridin across fitsisSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial dataECLASS-6.0ECLASS-6.027279218ECLASS-7.027279218ECLASS-6.027279218ECLASS-6.027279218ECLASS-6.027279218ECLASS-6.027279218ECLASS-6.027279218ECLASS-7.027279218ECLASS-6.027279218ECLASS-6.027279218ECLASS-6.027279218ECLASS-1.127060311ECLASS-1.127060311ECLASS-1.127060311ECLASS-1.2.027060311ETIM-5.0EC001855Oustoms tariff number85444290Customs tariff number85444290Customs tariff number85444290EAN4048679518667EAN4048679518667Packaging unit1Packaging unit1Degreating voltage AC (IUL-listed)30   | Degree of protection (EN IEC 60529)    | IP65, IP66K, IP67 |
| Mounting method     inserted, screwed       Family construction form     M12       Thread     M12 1       Cable outlet     streight       Coding     A       No. of poles     4       With across flats     SW13       Degree of protection (EN IEC 60529)     IP65, IP66K, IP67       Commercial data     ECLASS 4.0       ECLASS 4.0     27279218       ECLASS 4.0     27760311       ECLASS 4.0     27060311       ECLASS 4.0     27060311       ECLASS 4.0     2706031       ECLASS 4.1.1     2706031       ECLASS 4.0     ECO4855       customs tariff number     65444290       customs tariff number     65444290       customs tariff number     65444290       EAN     4048879518567       Packaging unit     1       Packaging   | Side 2                                 |                   |
| Family construction form         M12           Thread         M12 x 1           Cable cuttet         straight           Coding         A           No. of poles         4           Witch across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP65K, IP67           Commercial data         ECLASS-6.0           ECLASS-6.0         27279218           ECLASS-6.0         27279218           ECLASS-6.0         27279218           ECLASS-6.0         27279218           ECLASS-6.0         27279218           ECLASS-7.0         272690311           ECLASS-7.0         272690311           ECLASS-7.0         27060311           ECLASS-7.0         EC001855           customs tariff number         6544290           eatom 4049879518567         EAA           Packaging unit         1           Elec   | Tightening torque                      | 0,6 Nm            |
| Thread     M12 x 1       Cable outlet     straight       Coding     A       No. or poles     4       Width across flats     SW13       Degree of protection (EN IEC 60529)     IP65, IP66K, IP67       Commercial data     ECLASS-7.0       ECLASS-7.0     27279218       ECLASS-7.0     27279218       ECLASS-7.0     27279218       ECLASS-7.0     27279218       ECLASS-7.0     27279218       ECLASS-7.0     27279218       ECLASS-7.0     27260311       ECLASS-7.0     27060311       ECLASS-1.1     27060311       ECLASS-1.2     27060311       ECLASS-1.2     27060311       ECLASS-1.2     27060311       ECLASS-1.2     27060311       ECLASS-1.2     2706031       ECLASS-1.2     2706031       ECLASS-1.2     2706031       ECLASS-1.2     2706031       ECLASS-1.2     2706031       ECLASS-1.2     2706031       ECLASS-1.3     2706031       ECLASS-1.4     404087518567       EAN     404087518567       EAN     404087518567       EAN     404087518567       EAN     404087518567       EAN     404087518567       Deparati   | Mounting method                        | inserted, screwed |
| Cable outlet         straight           Coding         A           No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data         ECLASS-4.0           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           EC   | Family construction form               | M12               |
| Coding         A           No. of poles         4           No. of poles         4           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data         E           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-6.0         27690311           ECLASS-10.1         27690311           ECLASS-10.2         27690311           ECLASS-10.3         27690311           ECLASS-10.4         27690311           ECLASS-10.5         EC001655           customs tariff number         8544290           customs tariff number         8544290           EAN         4048879518567           Packaging unit         1           Electrical data   Supply         Deparating voltage AC (UL-listed)           Operating voltage AC (UL-listed)         30 V           Operating voltage AC   | Thread                                 | M12 x 1           |
| No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data         ECLASS-6.0         27279218           ECLASS-7.0         27279218         ECLASS-8.0         27279218           ECLASS-8.0         27279218         ECLASS-8.0         ECLASS-8.0         ECLASS-8.0         ECLASS-8.0         27260311           ECLASS-10.1         27060311         ECLASS-12.0         27060311         ECLASS-12.0         ECO01855           Customs tarlff number         B5444290         Ecual SS-10.0         ECO1855         Ecual SS-12.0         ECO1855           Customs tarlff number         B5444290         Ecual SS-12.0         ECO1855         Ecual SUPPS 18567           EAN         4048879518567         Ecual Supply         Ecual Suply         Ecual Suply         Ec  | Cable outlet                           | straight          |
| Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data         2           ECLASS-0.0         27279218           ECLASS-0.0         27279218           ECLASS-0.0         27279218           ECLASS-0.0         27060311           ECLASS-10.1         27060311           ECLASS-10.2         27060311           ECLASS-20.0         27060311           ETIM-5.0         EC001855           customs tariff number         65444290           customs tariff number         65444290           customs tariff number         1           Packaging unit         1  | Coding                                 | Α                 |
| Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data         ECLASS-6.0         27279218           ECLASS-7.0         27279218         ECLASS-7.0         ECLASS-7.0           ECLASS-7.0         27279218         ECLASS-7.0         ECLASS-7.0           ECLASS-1.0         27060311         ECLASS-1.1         ECLASS-1.1         27060311           ECLASS-12.0         27060311         ECLASS-1.1         ECLASS-1.2         ECLASS-1.1         ECLASS-1.2         ECLASS-1.2 <t< td=""><td>No. of poles</td><td>4</td></t<> | No. of poles                           | 4                 |
| Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         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-13.1         27060311           ECLASS-14.1         27060311           ECLASS-15.5         Customs tariff number           estatiff number         85444290           customs tariff number         85444290           customs tariff number         8544290           EAN         4048879518567           EAN         4048879518567           EAN         4048879518567           Packaging unit         1           Vorgerating voltage DC max.         250 V           Operating voltage DC max.         250 V           Operating voltage DC (UL-listed)         30 V           Cur  | Width across flats                     | SW13              |
| ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-0.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECMASS-12.0         27060311           ETMA-5.0         EC001855           customs tariff number         8544290           customs tariff number         85444290           Customs tariff number         95444290           Contom tariff number         95444290           Operating voltage AC (max.         25  | Degree of protection (EN IEC 60529)    | IP65, IP66K, IP67 |
| ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         2706031           ECLASS-12.0         2706031           ETIM-5.0         EC001855           customs tariff number         85444290           Customs tariff number         1           Packaging unit         1           Packaging unit         1           Digerseting voltage DC (Max.   | Commercial data                        |                   |
| ECLASS-8.0         2729218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           Ectastaff         8544290           customs tariff number         8544290           customs tariff number         8544290           Customs tariff number         1           Packaging unit         1           Packaging unit         1           Packaging unit         1           Packaging unit         1           Portage DC max.         250 V           Operating voltage AC (UL-   | ECLASS-6.0                             | 27279218          |
| ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         8544290           customs tariff number         8544290           EAN         4048879518567           EAN         4048879518567           Packaging unit         1           Packaging unit         1           Packaging unit         1           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30  | ECLASS-7.0                             | 27279218          |
| ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECMSS-12.0         27060311           ECMSS-12.0         27060311           ECMSS-12.0         27060311           Customs tariff number         85444290           customs tariff number         85444290           EAN         4048879518567           Packaging unit         1           Packaging unit         1           Packaging unit         1           Electrical data   Supply         Doperating voltage AC max.           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Diagnostics         Diagnostics           Status indication LED         no           Device protection   Electrical         Degree of protection lelectrical           Degree of protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60664-1)         1  | ECLASS-8.0                             | 27279218          |
| ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           customs tariff number         85444290           EAN         4048879518567           EAN         4048879518567           Packaging unit         1           Packaging unit         1           Electrical data   Supply         0           Operating voltage AC max.         250 V           Operating voltage DC max.         250 V           Operating voltage DC max.         250 V           Operating voltage DC (UL-listed)         30 V           Operating voltage   | ECLASS-9.0                             | 27060311          |
| ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           customs tariff number         85444290           customs tariff number         85444290           EAN         4048879518567           EAN         4048879518567           Packaging unit         1           Packaging unit         1           Electrical data   Supply         Operating voltage AC max.           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Diagnostics         Status indication LED           Status indication LED         no           Device protection (EN IEC 60529)         IP65, IP67, IP66K           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60664-1)         1           Mechanical data         Kechanical data  | ECLASS-10.1                            | 27060311          |
| ETIM-5.0EC001855customs tariff number85444290customs tariff number85444290EAN4048879518567EAN4048879518567Packaging unit1Packaging unit1Packaging unit1Etectrical data   SupplyOperating voltage AC max.250 VOperating voltage AC max.250 VOperating voltage DC max.250 VOperating voltage DC max.250 VOperating voltage DC (UL-listed)30 VOperating voltage DC (UL-listed)30 VOperating voltage DC (UL-listed)30 VOperating per contact max.4 ADiagnosticsStatus indication LEDStatus indication LEDnoDerice protection   ElectricalDegree of protection degreeinserted, screwedPollution Degree3Rated surge voltage2,5 kVMaterial group (IEC 60664-1)1IMechanical dataContour for corrugated hosewithoutMechanical data   Material data  | ECLASS-11.1                            | 27060311          |
| customs tariff number       85444290         customs tariff number       85444290         EAN       4048879518567         EAN       4048879518567         Packaging unit       1         Packaging unit       1         Electrical data   Supply       0         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         Current operating per contact max.       4 A         Diagnostics       5         Status indication LED       no         Device protection   Electrical       Degree of protection (EN IEC 60529)         Pest, IP67, IP66K       Additional condition protection degree         Additional condition protection degree       1         Perese of protection (EN IEC 60529)       IP65, IP67, IP66K         Additional condition protection degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       1         Material group (IEC 60664-1)       1         Mechanical data       Material data  | ECLASS-12.0                            | 27060311          |
| customs tariff number       85444290         EAN       4048879518567         EAN       4048879518567         Packaging unit       1         Packaging unit       1         Packaging unit       1         Electrical data   Supply       0         Operating 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         Current operating per contact max.       4 A         Diagnostics       5         Status indication LED       no         Device protection   Electrical       0         Degree of protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       1         I       Mechanical data         Contour for corrugated horse       without  | ETIM-5.0                               | EC001855          |
| EAN4048879518567EAN4048879518567Packaging unit1Packaging unit1Packaging unit1Electrical data   SupplyOperating voltage AC max.250 VOperating voltage DC max.250 VOperating voltage DC max.250 VOperating voltage DC (UL-listed)30 VOperating voltage DC (UL-listed)30 VCurrent operating per contact max.4 ADiagnosticsStatus indication LEDnoDevice protection   ElectricalDegree of protection (EN IEC 60529)IP65, IP67, IP66KAdditional condition protection degreeinserted, screwedPollution Degree3Rate surge voltage2,5 kVMaterial group (IEC 60664-1)1IMechanical dataMechanical datawithoutMechanical data   Material data   | customs tariff number                  | 85444290          |
| EAN4048879518567Packaging unit1Packaging unit1Packaging unit1Electrical data   SupplyOperating voltage AC max.250 VOperating voltage DC max.250 VOperating voltage AC (UL-listed)30 VOperating voltage DC (UL-listed)30 VCurrent operating per contact max.4 ADlagnosticsStatus indication LEDStatus indication LEDnoDevice protection [ElectricalDegree of protection (EN IEC 60529)Degree of protection (EN IEC 60529)IP65, IP67, IP66KAdditional condition protection degreeinserted, screwedPollution Degree3Rated surge voltage2,5 kVMaterial group (IEC 60664-1)1Mechanical datawithoutMechanical dataMaterial data  | customs tariff number                  | 85444290          |
| Packaging unit1Packaging unit1Packaging unit1Electrical data   SupplyOperating voltage AC max.250 VOperating voltage DC max.250 VOperating voltage AC (UL-listed)30 VOperating voltage DC (UL-listed)30 VCurrent operating per contact max.4 ADiagnosticsStatus indication LEDnoDevice protection   ElectricalDegree of protection (EN IEC 60529)IP65, IP67, IP66KAdditional condition protection degreeinserted, screwedPollution Degree3Rated surge voltage2,5 kVMaterial group (IEC 60664-1)1Mechanical datawithoutMechanical data   Material data  | EAN                                    | 4048879518567     |
| Packaging unit       1         Electrical data   Supply       Operating voltage AC max.       250 V         Operating voltage DC (UL-listed)       30 V         Operating voltage DC (UL-listed)       30 V         Current operating per contact max.       4 A         Diagnostics       Status indication LED         Status indication LED       no         Degree of protection   Electrical       Degree of protection (EN IEC 60529)         Degree of protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       1         I       Mechanical data         Contour for corrugated hose       without         Mechanical data   Material data       Vitout  | EAN                                    | 4048879518567     |
| Electrical data   Supply         Operating voltage AC max.       250 V         Operating voltage DC max.       250 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         Diagnostics       Status indication LED         Status indication LED       no         Device protection   Electrical       Degree of protection (EN IEC 60529)         Degree of protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       1         Mechanical data       without         Mechanical data   Material data       Vietout (Material data  | Packaging unit                         | 1                 |
| Operating voltage AC max.250 VOperating voltage DC max.250 VOperating voltage AC (UL-listed)30 VOperating voltage DC (UL-listed)30 VCurrent operating per contact max.4 ADiagnosticsStatus indication LEDnoDevice protection   ElectricalDegree of protection (EN IEC 60529)IP65, IP67, IP66KAdditional condition protection degreeinserted, screwedPollution Degree3Rated surge voltage2,5 kVMaterial group (IEC 60664-1)1IMechanical dataWithout   | 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         Diagnostics       Status indication LED       no         Device protection   Electrical       Degree of protection (EN IEC 60529)       IP65, IP67, IP66K         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       1         Mechanical data       without         Mechanical data   Material data       Vincour for corrugated hose   | Electrical data   Supply               |                   |
| Operating voltage AC (UL-listed)       30 V         Operating voltage DC (UL-listed)       30 V         Current operating per contact max.       4 A         Diagnostics       Status indication LED       no         Device protection   Electrical       Degree of protection (EN IEC 60529)       IP65, IP67, IP66K         Additional condition protection degree       inserted, screwed       Pollution Degree         Pollution Degree       3       Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       1       I         Mechanical data       without       Mechanical data       Material data  | Operating voltage AC max.              | 250 V             |
| Operating voltage DC (UL-listed)30 VCurrent operating per contact max.4 ADiagnosticsStatus indication LEDnoDevice protection   ElectricalDegree of protection (EN IEC 60529)IP65, IP67, IP66KAdditional condition protection degreeinserted, screwedPollution Degree3Rated surge voltage2,5 kVMaterial group (IEC 60664-1)1Mechanical datawithoutMechanical data   Material data   |  | 250 V             |
| Operating voltage DC (UL-listed)30 VCurrent operating per contact max.4 ADiagnosticsStatus indication LEDnoDevice protection   ElectricalDegree of protection (EN IEC 60529)IP65, IP67, IP66KAdditional condition protection degreeinserted, screwedPollution Degree3Rated surge voltage2,5 kVMaterial group (IEC 60664-1)1Mechanical datawithoutMechanical data   Material data   | Operating voltage AC (UL-listed)       | 30 V              |
| Diagnostics         Status indication LED       no         Device protection   Electrical  | Operating voltage DC (UL-listed)       | 30 V              |
| Status indication LEDnoDevice protection   ElectricalDegree of protection (EN IEC 60529)IP65, IP67, IP66KAdditional condition protection degreeinserted, screwedPollution Degree3Rated surge voltage2,5 kVMaterial group (IEC 60664-1)IMechanical datawithoutMechanical data   Material data   | Current operating per contact max.     | 4 A               |
| Device protection   Electrical         Degree of protection (EN IEC 60529)       IP65, IP67, IP66K         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       I         Mechanical data       vithout         Mechanical data   Material data       Vithout   | Diagnostics                            |                   |
| Degree of protection (EN IEC 60529)IP65, IP67, IP66KAdditional condition protection degreeinserted, screwedPollution Degree3Rated surge voltage2,5 kVMaterial group (IEC 60664-1)IMechanical dataContour for corrugated hosewithoutMechanical data   Material dataI  | Status indication LED                  | no                |
| Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       I         Mechanical data       vithout         Mechanical data   Material data       Vithout  | Device protection   Electrical         |                   |
| Pollution Degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       I         Mechanical data       vithout         Contour for corrugated hose       without         Mechanical data   Material data       Vithout   | Degree of protection (EN IEC 60529)    | IP65, IP67, IP66K |
| Pollution Degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       I         Mechanical data       vithout         Contour for corrugated hose       without         Mechanical data   Material data       Vithout   | Additional condition protection degree |                   |
| Material group (IEC 60664-1)     I       Mechanical data     Vithout       Contour for corrugated hose     vithout       Mechanical data   Material data     Vithout   |  |                   |
| Material group (IEC 60664-1)     I       Mechanical data     Vithout       Contour for corrugated hose     vithout       Mechanical data   Material data     Vithout   | Rated surge voltage                    | 2,5 kV            |
| Contour for corrugated hose     without       Mechanical data   Material data  |  |                   |
| Mechanical data   Material data  | Mechanical data                        |                   |
|  | Contour for corrugated hose            | without           |
| Material housing PUR   | Mechanical data   Material data        |                   |
|  | Material housing                       | PUR               |

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| Coating locking   | Nickeled   |
|---|--|
| Locking material  | Zinc die-casting   |
| Mechanical data   Mounting data   |  |
| . 2   | increde di commendi Ole deire anno scrittere   |
| Mounting method   | inserted, screwed, Shaking protection  |
| Environmental characteristics   Climatic  |  |
| Operating temperature min.  | -30 °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. |
| Conformity  |  |
| Product standard  | DIN EN 61076-2-101 (M12)   |
| Installation   Cable  |  |
|   | brown block blue white   |
| wire arrangement<br>Cable identification  | brown, black, blue, white 150  |
|   |  |
| Jacket Color<br>Amount stranding  | yellow<br>1  |
| Stranding   | 1 4 wires twisted  |
|   |  |
| wire arrangement  | brown, black, blue, white  |
| Cable weigth  | 92,4 g/m   |
| Material jacket   | TPE  |
| Freedom from ingredients (jacket)   | lead-free, CFC-free, halogen-free  |
| Outer-diameter (jacket)   | 7,21 mm  |
| Tolerance outer diameter (sheath)   | ±5%  |
| Material wire insulation  | PVC  |
| Amount wires  | 4  |
| Outer diameter insulation   | 1,93 mm  |
| Outer diameter tolerance core insulation  | ±5%  |
| Ingredient freeness wire insulation   | lead-free, CFC-free  |
| Amount strands (wire)   | 19   |
| Diameter of single wires  | 18 AWG   |
| Conductor crosssection (wire)   | 18 AWG   |
| Material conductor wire   | Stranded copper wire, bare   |
| Nominal voltage AC max.   | 600 V  |
| Current load capacity (standard)  | to DIN VDE 0298-4  |
| Current load capacity min. wire   | 9,6 A  |
| Electrical resistance line constant wire  | 22,5 Ω/km @ 20 °C  |
| AC withstand voltage (wire - wire)<br>Power frequency withstand voltage (wire - jacket) | 4 kV @ 60 s<br>4 kV @ 60 s   |
| Min. operating temperature (static)   | -40 °C   |
| Max. operating temperature (fixed)  | 105 °C   |
| Operating temperature min. (dynamic)  | -20 °C   |
| Operating temperature max. (dynamic)  | -20 °C   |
| 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 (fixed)  | 10 x Outer diameter  |
| Bending radius (dynamic)  | 15 x Outer diameter  |
| No. of bending cycles (C-track)   | 10 Mio.  |
|   |  |

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No. of torsion cycles

Torsion stress

3 Mio. ± 180 °/m

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