

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

PUR 4x0.34 ye UL/CSA+drag ch. 0.6m

Art.No.: 7000-40121-0340060 Weight: 0.047 Country of origin: US Model designation: MSDL0-A-T034 0.6

## 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 on request

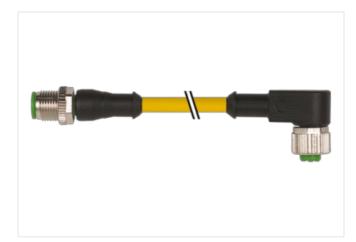
If you are missing technical information? Please feel free to use our dictionary to find more technical details.

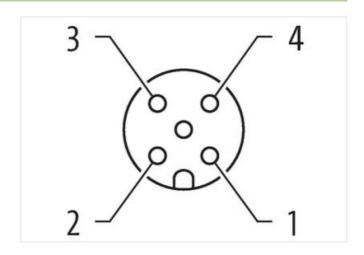
Product details: Male straight - female 90° M12 – M12, 4-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

## Link to Product

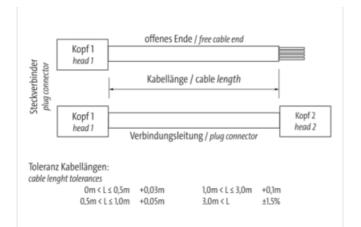
Illustration

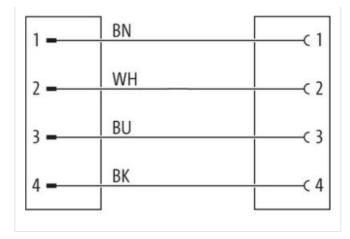


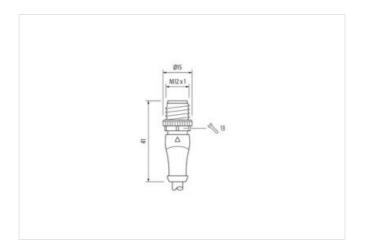


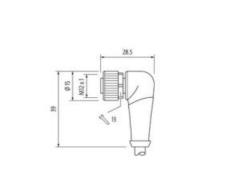
The information in this Product-PDF has been compiled with the utmost care Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-08-06

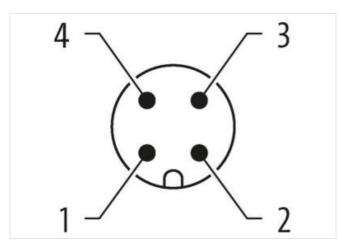












Product may differ from Image



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

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| suitable for corrugated tube (internal 0)       10 mm         Material       PUR         With across flats       SW13         Degree of protection (EN IEC 60529)       IP65, IP66K, IP67         Side 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Mounting method                          | inserted, screwed                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------|
| Thread       M12 x 1         suitable for corrugated tube (internal 0)       10 mm         With across flata       90 H         Burger of protection (FM EC 69259)       IP65, IP66K, IP67         Side 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Family construction form                 | M12                                   |
| suitable for corrugated tube (internal 0) 10 mm<br>Material PUR<br>With arcoss Elest<br>Side 2<br>Tiphening torque 0,6 km<br>Mounting mathod inserted, screwed<br>Family construction form Mi2 x 1<br>analog for corrugated tube (internal 0) 10 mm<br>Material M12 x 1<br>Suitable for corrugated tube (internal 0) 10 mm<br>Material M12 x 1<br>Suitable for corrugated tube (internal 0) 10 mm<br>Material 00 00 10 10 00 mm<br>Material 00 00 10 10 00 00 00 00 00 00 00 00 00                                                                                                                                                                                                                                                                                              | Thread                                   | M12 x 1                               |
| Material       PUR         Width across flats       SW13         Degree of protection (EN EC 60529)       IPBS, IPBK, IPS7         Side 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                          | 10 mm                                 |
| Degree of protection (EN IEC 60529)       IP66, IP66K, IP67         Side 2       Triphoning forque       0.8 Nm         Mounting method       inserted, screwed       Image: Construction form       M12         Thread       M12 1       Image: Construction form       M12         Subtability for corrupated tube (internal 0)       10 mm       Image: Construction form       PUR         Width across flats       SW13       Construction (EN IEC 60529)       IP66, IP67         Commercial data       Commercial Construction (EN IEC 60529)       IP66, IP67       Commercial Construction (EN IEC 60529)       P278219         ECLASS-6.0       27278219       Construction (EN IEC 60529)       P278219         ECLASS-6.1       27276219       Construction (EN IEC 60529)       P2600311         ECLASS-6.1       27060311       CONES5       Construction (EN IEC 6052)       P260031         ECLASS-1.1       27060311       CONES5       Construction (EN IEC 6052)       P260031         ECLASS-1.2       27060311       Construction (EN IEC 6052)       P260031         Parkaging unit       1       Construction (EN IEC 6052)       P260031         Eclass 10, Information (EN IEC 6052)       27060311       Construction (EN IEC       | Material                                 |                                       |
| Side 2Tightening longue0.6 NmMounting methodinserted, screwedFamily construction formM12ThreadM12 1Satisbie for corrugated tube (internal)10 mmMaterialPURWitch across flafsSV13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Conneccial data27279219EGLASS-6.027279219CGLASS-7.027279219CGLASS-7.027279218EGLASS-6.027060311EGLASS-6.027060311EGLASS-6.127060311EGLASS-6.127060311EGLASS-7.027060311EGLASS-7.027060311EGLASS-7.027060311EGLASS-7.027060311EGLASS-7.027060311EGLASS-7.027060311EGLASS-7.027060311EGLASS-7.027060311EGLASS-7.027060311EGLASS-7.027060311EGLASS-7.027060311EGLASS-7.02706031ETM-5.0EC001685Cuatoma Laffit number844429.0EAN4048879178570Packaging unit1Electrical and ISoppyOperating voltage AC max.250 VOperating voltage AC max.250 VOperating voltage AC max.250 VOperating voltage DC max.250 VOperating top contact max.4 AInstitution I ConnectionInstitution I ConnectionMaterial arcy top (EC 6064-1)Institution I ConnectionCat                                                                                                                                                                                                                                                                                 | Width across flats                       | SW13                                  |
| Side 2Tightening longue0.6 NmMounting methodinserted, screwedFamily construction formM12ThreadM12 1Satisbie for corrugated tube (internal)10 mmMaterialPURWitch across flafsSV13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Conneccial data27279219EGLASS-6.027279219CGLASS-7.027279219CGLASS-7.027279218EGLASS-6.027060311EGLASS-6.027060311EGLASS-6.127060311EGLASS-6.127060311EGLASS-7.027060311EGLASS-7.027060311EGLASS-7.027060311EGLASS-7.027060311EGLASS-7.027060311EGLASS-7.027060311EGLASS-7.027060311EGLASS-7.027060311EGLASS-7.027060311EGLASS-7.027060311EGLASS-7.027060311EGLASS-7.02706031ETM-5.0EC001685Cuatoma Laffit number844429.0EAN4048879178570Packaging unit1Electrical and ISoppyOperating voltage AC max.250 VOperating voltage AC max.250 VOperating voltage AC max.250 VOperating voltage DC max.250 VOperating top contact max.4 AInstitution I ConnectionInstitution I ConnectionMaterial arcy top (EC 6064-1)Institution I ConnectionCat                                                                                                                                                                                                                                                                                 | Degree of protection (EN IEC 60529)      | IP65, IP66K, IP67                     |
| Tiptening torque       0.6 Nm         Mounting method       inserted, screwed         Family construction form       M12 x 1         Stratuction form       010 mm         Material       PUR         With across flats       SW13         Degree of protection (EN IEC 60529)       IP66, IP66K, IP67         Commercial dat       Z2729218         ECLASS-0.0       27279218         ECLASS-0.0       27279218         ECLASS-0.0       27279218         ECLASS-0.0       27279218         ECLASS-0.0       27060311         ECLASS-1.1       27060311         ECLASS-1.2       27060311         ECLASS-1.1       27060311         ECLASS-1.2       27060311         ECLASS-1.2       27060311         ECLASS-1.1       27060311         ECLASS-1.2       2706031         EVM > 0       04980797570         Packaging unit       1         Electrical data   Supply       290 V         Current operating unit gen contact max.       290 V         Current operating unit gen contact max.       4 A         Instalition   Connection       Inserted, screwed <td></td> <td></td>                                                                                                                                                                          |                                          |                                       |
| Mounting method       inserted, screwed         Family construction form       M12         Thread       M12 1         suitable for corrugated tube (internal 0)       10 mm         Maerial       PUR         With across flats       SW13         Degree of protection (ENEC 60529)       1965, IP66K, IP67         Commercial data       27279216         ECLASS-6.0       27279218         ECLASS-7.0       27279218         ECLASS-6.0       27260311         ECLASS-6.0       27060311         ECLASS-1.1       27060311         ECLASS-1.2       27060311         ECLASS-1.1       27060311         ECLASS-1.1       27060311         ECLASS-1.1       27060311         ECLASS-1.0       27060311         ECLASS-1.1       27060311         ECLASS-1.1       27060311         ECLASS-1.1       27060311         ECLASS-1.0       27060311         ECLASS-1.0       27060311         ECLASS-1.1       27060311         ECLASS-1.1       27060311         ECLASS-1.1       27060311         ECLASS-1.1       27060311 <td></td> <td>0.6 Nm</td>                                                                                                                                                                                                           |                                          | 0.6 Nm                                |
| Family construction form       M12         Thread       M12 x 1         Suitable for corrugated tube (inferral 0)       10 mm         Material       PUR         Width across flats       SW13         Degree of protection (EN EC 60529)       IPES, IPESK, IPE7         Commercial data       27279218         ECLASS-6.0       27279218         ECLASS-6.0       27279218         ECLASS-6.0       27279218         ECLASS-6.0       27279218         ECLASS-6.0       27279218         ECLASS-6.0       272000311         ECLASS-6.1       27060311         ECLASS-1.1       27060311         ECLASS-1.2       27060311         ECLASS-1.3       27060311         ECLASS-1.4       27060311         ECLASS-1.5       27060311         ECLASS-1.5       27060311         ECLASS-1.1       27060311         ECLASS-1.2       ECO01685         customs tariff number       S544290         EAN       4040879178570         Poretaing voltage DC max.       250 V         Operating voltage DC max.       250 V         Current operating per con                                                                                                                                                                                                             |                                          |                                       |
| Thread   M12 x 1     suitable for corrugated tube (internal Ø)   10 mm     Miterial   PUR     With across flats   SW13     Dagree of protection (EN IEC 60528)   IP65, IP66K, IP67     Commercial data   ECLASS-6.0     27279218   ECLASS-6.0     ECLASS-6.0   27279218     ECLASS-6.0   27279218     ECLASS-6.0   27279218     ECLASS-6.0   27279218     ECLASS-6.0   27279218     ECLASS-1.1   27060311     ECLASS-1.2   27060311     ECLASS-1.1   27060311     ECLASS-1.2   27060311     ECLASS-1.1   27060311     ECLASS-1.2   27060311     ECLASS-1.3   27060311     ECLASS-1.4   27060311     ECLASS-1.5   27060311     ECLASS-1.1   27060311     ECLASS-1.2   27060311     ECLASS-1.2   27060311     ECLASS-1.2   27060311     ECLASS-1.1   27060311     ECLASS-1.2   27060311     ECLASS-1.1   27060311     ECLASS-1.2   200     Darie of Using AC max.   250 V     Operating voltage AC max.   250 V     Current operating are orotact max.   4 A <td>-</td> <td></td>                                                                                                                                                                                                                                                                               | -                                        |                                       |
| suitable for corrugated tube (internal 6)       10 mm         Material       PUR         With arcoss fills       SW13         Dagree of protection (EN EC 6052)       IP65, IP66K, IP67         Commercial data       E         ECLASS-6.0       27279218         ECLASS-6.0       27279218         ECLASS-6.0       27279218         ECLASS-6.0       27260511         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-10.2       27060311         ECLASS-10.2       27060311         ECLASS-10.2       27060311         ECLASS-10.2       27060311         ECLASS-10.2       27060311         ECLASS-10.2       27060311         ECLASS-10.4       24897178570         Packaging unit       1         Electrical data   Suppiy       Jone V         Operating voltage AC max.       250 V         Current operating per contact max.       450 V         Current operating actor actoractor actoractor actor actor actor actor actor actor actor actor                                                 |                                          |                                       |
| Material   PUR     Widh across flats   SW13     Degree of protection (EN IEC 60529)   IP65, IP67X     Commercial data   27279218     ECLASS-6.0   27279218     ECLASS-9.0   27279218     ECLASS-9.0   27279218     ECLASS-9.0   27279218     ECLASS-9.0   27260311     ECLASS-9.1   27060311     ECLASS-1.1   27060311     ECLASS-1.2.0   27060311     ECLASS-1.3   27060311     ECLASS-1.4   27060311     ECLASS-1.5   27060311     ECLASS-1.0   27060311     ECLASS-1.1   27060311     ECLASS-1.3   27060311     ECLASS-1.4   27060311     ECLASS-1.5   27000311     ECLASS-1.1   27060311     ECLASS-1.1   27000     Evaluation in the evaluation in th                                                                                                                                                                                                        |                                          |                                       |
| Width across flats   SW13     Degree of protection (EN IEC 60529)   IP65, IP66K, IP67     Commercial data   V     ECLASS-6.0   27279218     ECLASS-6.0   27279218     ECLASS-6.0   27279218     ECLASS-6.0   27279218     ECLASS-6.0   27279218     ECLASS-6.0   27060311     ECLASS-6.0   27060311     ECLASS-7.0   27060311     ECLASS-1.1   27060311     ECLASS-1.2   27060311     ECLASS-1.4   27060311     ECLASS-1.4   27060311     ECLASS-1.5   270     P204250   ECAN     Adds70178570   Packaging unit     1   1     Electical data [Supply   Operating voltage AC max.     Operating voltage DC max.   250 V     Courrent operating per contact max.   4 A     Installation [Connection   Mol 2x 1     Mouting action protection degree   3     Additional condition protection                                                                                                                                                                                                                                                                               |                                          |                                       |
| Degree of protection (EN IEC 60529)       IP65, IP66K, IP67         Commercial data       ECLASS-6.0       27279218         ECLASS-6.0       27279218       ECLASS-6.0       27279218         ECLASS-6.0       27279218       ECLASS-6.0       ECLAS |                                          |                                       |
| Commercial data         ECLASS 4.0       27279218         ECLASS 7.0       27279218         ECLASS 4.0       27279218         ECLASS 4.0       27279218         ECLASS 4.0       27279218         ECLASS 4.0       27260311         ECLASS 4.0       27060311         ECLASS 1.1       27060311         ECLASS 1.2.0       27060311         Eclass 1.1       27060311         Eclass 1.2.0       250 V         Operating voltage AC max.       250 V         Current operating per contact max.       4 A         Instation I Con                                                                                                                                                                                                                                         |                                          |                                       |
| ECLASS-6.027279218ECLASS-7.027279218ECLASS-8.027260311ECLASS-0.027060311ECLASS-1.127060311ECLASS-1.127060311ECLASS-1.2.027060311ECLASS-1.327060311ECLASS-1.427060311ECLASS-1.527060311ECLASS-1.427060311ECLASS-1.5EC001855customs tariff number85444290EAN40487917870Packaging unit1Electrical data   SupplyJOperating voltage AC max.250 VOperating voltage AC max.250 VCurrent operating per contact max.4 AInstallation   ConnectionInserted, screwedPolution gearc3Mounting setM12 x 1Device protection   ElectricalInserted, screwedPolution Degree3Material group (EC 60664-1)1Mechanical data   Material dataCoating of fittingnickeledCoating of fittingnickeledCoating of fittingnickeled alterCoating of fittingnickeled alterMaterial screw connectionZine die-castingMechanical data   Mounting dataS°CEnvironmental characteristics   ClauselGeneging on cable qualityOperating temperature max.85 °CAdditional condition temperature rangeGeneging on cable quality                                                                                                                                                                                                                                                                             |                                          |                                       |
| ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       ECOI1855         customs tariff number       8544290         EAN       4048879178570         Packaging unit       1         Electrical tar [Supply       Electrical 200 V         Operating voltage AC max.       250 V         Current operating per contact max.       4 A         Installation [Connection       Installed in [Supply         Moutting et       M12 x 1         Device protection [Electrica                                                                                                                                                                                                             |                                          | 07070010                              |
| 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-12.0       EC001855         customs tariff number       85444290         EAN       4048379170570         Packaging unit       1         Electrical data   Supply          Operating voltage AC max.       250 V         Operating voltage DC max.       250 V         Current operating per contact max.       4 A         Installation   Connection          Mouting set       M12 x 1         Device protection   Electrical          Additional condition protection degree       inserted, screwed         Pollution Degree       3         Material group (IEC 60664-1)       1         Mechanical data          Coating of fitting       nickeled         Coating of fitting       nickele plated         Locking material       Zinc die-casting         Material screw connection                                                                                                                                                                                                           |                                          |                                       |
| ECLASS-4.0       27060311         ECLASS-10.1       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC01855         customs tariff number       8544290         EAN       40487970570         Packaging unit       1         Eletrical data [supply       Eletrical data [supply         Operating voltage AC max.       250 V         Querating voltage DC max.       250 V         Current operating per contact max.       4 A         Installation   Connection       M12 x 1         Bevice protection   Electrical       Electrical data [supply         Additional condition protection degree       3         Pollution Degree       3         Material group (EC 6064-1)       1         Mechanical data [Material data       Coating of fiting         Coating locking       Nickeled         Coating of fiting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-castin                                                                                                                                          |                                          |                                       |
| 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   ECO01855     customs tariff number   85444290     EAN   4048879178570     Packaging unit   1     Electrical data   Supply   Deverating voltage AC max.     Operating voltage AC max.   250 V     Operating voltage DC max.   250 V     Current operating per contact max.   4 A     Installation   Connection   Installation   Connection     Mounting set   M12 x 1     Device protection   Electrical     Additional condition protection degree   3     Pollution Degree   3     Material group (IEC 60664-1)   1     Material group (IEC 6                                                                                                                                                                                             |                                          |                                       |
| ECLASS-11.1     27060311       ECLASS-12.0     27060311       ETIM-5.0     EC001855       customs tariff number     85444290       EAN     404879178570       Packaging unit     1       Electrical data   Supply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                          |                                       |
| ECLASS-12.0     27060311       ETM-5.0     EC001855       customs tariff number     85444290       EAN     4048879178570       Packaging unit     1       Electrical data   Supply        Operating voltage AC max.     250 V       Operating voltage PC max.     250 V       Current operating per contact max.     4 A       Installation   Connection        Mounting set     M12 x 1       Device protection   Electrical        Additional condition protection degree     inserted, screwed       Poliutin Degree     3       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coating locking       Coating locking     Nickeled       Coating locking     Nickeled       Coating locking     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     -30 °C       Operating temperature min.     -30 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on                                                                                                                                                               |                                          |                                       |
| ETIM-5.0     EC001855       customs tariff number     8544290       EAN     4048879178570       Packaging unit     1       Electrical data   Supply     Operating voltage AC max.     250 V       Operating voltage DC max.     250 V       Current operating per contact max.     4 A       Installation   Connection     4 A       Mounting set     M12 x 1       Device protection   Electrical     Instelled, screwed       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Material group (IEC 60664-1)     I       Mechanical data   Material data     Vickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Inserted, screwed, Shaking protection       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.       Operating temperature min.     -30 °C       Operating temperature max.     85 °C       <                                                                                                       |                                          |                                       |
| customs tariff number   85444290     EAN   4048879178570     Packaging unit   1     Electrical data   Supply      Operating voltage AC max.   250 V     Operating voltage DC max.   250 V     Current operating per contact max.   4 A     Installation   Connection      Mounting set   M12 x 1     Device protection   Electrical      Additional condition protection degree   inserted, screwed     Pollution Degree   3     Material group (IEC 60664-1)   1     Inserted, screwed      Coating locking   Nickeled     Coating of fitting   nickel plated     Locking metrial   Zinc die-casting     Material screw connection   Zinc die-casting     Material screw connection   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                                                                                                                                                                                                                                                                                                                             |                                          |                                       |
| EAN   4048879178570     Packaging unit   1     Electrical data   Supply      Operating voltage AC max.   250 V     Operating voltage DC max.   250 V     Current operating per contact max.   4 A     Installation   Connection      Mounting set   M12 x 1     Device protection   Electrical     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Material group (IEC 60664-1)   I     Mechanical data   Material data     Coating locking   Nickeled     Coating locking   Nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Material screw connection   Zinc die-casting     Material screw connection   Sinserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature max.   65 °C     Operating temperature range   depending on cable quality                                                                                                                                                                                                                                                                                                                             |                                          |                                       |
| Packaging unit     1       Electrical data   Supply       Operating voltage AC max.     250 V       Operating voltage DC max.     250 V       Current operating per contact max.     4 A       Installation   Connection     Mounting set       Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree       Pollution Degree     3       Material group (IEC 60664-1)     1       Mechanical data   Material data     V       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Inserted, screwed, Shaking protection       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Mounting method     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.       Operating temperature min.     -30 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality                                                                                                                                                                                                                  |                                          |                                       |
| Electrical data   Supply       Operating voltage AC max.     250 V       Operating voltage DC max.     250 V       Current operating per contact max.     4 A       Installation   Connection     Mounting set       Mounting set     M12 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Material group (IEC 60664-1)     1       Mechanical data   Material data     Vocating of fitting       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.       Operating temperature min.     -30 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality                                                                                                                                                                                                                                             |                                          |                                       |
| Operating voltage DC max.     250 V       Current operating per contact max.     4 A       Installation   Connection     Installation   Connection       Mounting set     M12 x 1       Device protection   Electrical     Inserted, screwed       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Material group (IEC 60664-1)     1       Mechanical data   Material data     Inserted, screwed       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Oo °C       Operating temperature min.     -30 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality                                                                                                                                                                                                                                                                                                                  |                                          |                                       |
| Operating voltage DC max.     250 V       Current operating per contact max.     4 A       Installation   Connection     Installation   Connection       Mounting set     M12 x 1       Device protection   Electrical     Inserted, screwed       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Material group (IEC 60664-1)     1       Mechanical data   Material data     Inserted, screwed       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Oo °C       Operating temperature min.     -30 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality                                                                                                                                                                                                                                                                                                                  | Operating voltage AC max.                | 250 V                                 |
| Current operating per contact max.     4 A       Installation   Connection       Mounting set     M12 x 1       Device protection   Electrical       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Material group (IEC 60664-1)     I       Mechanical data   Material data     Vickeled       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     -30 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |                                       |
| Installation   Connection         Mounting set       M12 x 1         Device protection   Electrical       Inserted, screwed         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Material group (IEC 60664-1)       I         Mechanical data   Material data       Vickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       -30 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          | 4 A                                   |
| Mounting set       M12 x 1         Device protection   Electrical       inserted, screwed         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Material group (IEC 60664-1)       1         Mechanical data   Material data       Inserted, screwed         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       -30 °C         Operating temperature min.       -30 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality                                                                                                                                                                                                                                                                                                                                            |                                          |                                       |
| Device protection   Electrical         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Material group (IEC 60664-1)       1         Mechanical data   Material data       Image: Control of the strewed         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Image: Control of the screwed, Shaking protection         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       -30 °C         Operating temperature min.       -30 °C         Operating temperature max.       85 °C         Adetional condition temperature range       depending on cable quality                                                                                                                                                                                                                                                                                                                                                                                |                                          | M40 4                                 |
| Additional condition protection degree     inserted, screwed       Pollution Degree     3       Material group (IEC 60664-1)     I       Mechanical data   Material data     I       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     -30 °C       Operating temperature min.     -30 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                        | INI 1 2 A 1                           |
| Pollution Degree     3       Material group (IEC 60664-1)     I       Mechanical data   Material data     Vickeled       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Mounting method       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     -30 °C       Operating temperature min.     -30 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | •                                        |                                       |
| Material group (IEC 60664-1)     I       Mechanical data   Material data       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Mounting method       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     -30 °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       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     -30 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                        |                                       |
| Coating lockingNickeledCoating of fittingnickel platedLocking materialZinc die-castingMaterial screw connectionZinc die-castingMechanical data   Mounting dataInserted, screwed, Shaking protectionMounting methodinserted, screwed, Shaking protectionEnvironmental characteristics   Climatic-30 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Material group (IEC 60664-1)             |                                       |
| Coating of fittingnickel platedLocking materialZinc die-castingMaterial screw connectionZinc die-castingMechanical data   Mounting dataInserted, screwed, Shaking protectionMounting methodInserted, screwed, Shaking protectionEnvironmental characteristics   Climatic-30 °COperating temperature min.65 °CAdditional condition temperature rangedepending on cable quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Mechanical data   Material data          |                                       |
| Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     -30 °C       Operating temperature min.     -30 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Coating locking                          | Nickeled                              |
| Material screw connection     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     -30 °C       Operating temperature min.     -30 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Coating of fitting                       | nickel plated                         |
| Mechanical data   Mounting data       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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Locking material                         | Zinc die-casting                      |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Material screw connection                | Zinc die-casting                      |
| Environmental characteristics   Climatic       Operating temperature min.     -30 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Mechanical data   Mounting data          |                                       |
| Operating temperature min30 °COperating temperature max.85 °CAdditional condition temperature rangedepending 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 |                                       |
| Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Operating temperature min.               | -30 °C                                |
| Additional condition temperature range depending on cable quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | · · ·                                    |                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                          |                                       |
| Important Installation notes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                          |                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Important Installation notes             |                                       |

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| 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                      |                                                                                                                                                |
| wire arrangement                          | brown, black, blue, white                                                                                                                      |
| Cable identification                      | 034                                                                                                                                            |
| Cable Type                                | 3                                                                                                                                              |
| Jacket Color                              | yellow                                                                                                                                         |
| Type of Certificate                       | cURus                                                                                                                                          |
| Amount stranding                          | 1                                                                                                                                              |
| Stranding                                 | 4 wires twisted                                                                                                                                |
| wire arrangement                          | brown, black, blue, white                                                                                                                      |
| Cable weigth                              | 36,3 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)                   | 4,5 mm                                                                                                                                         |
| Tolerance outer diameter (sheath)         | ±5%                                                                                                                                            |
| Material wire insulation                  | PP                                                                                                                                             |
| Amount wires                              | 4                                                                                                                                              |
| Outer diameter insulation                 | 1,25 mm                                                                                                                                        |
| Outer diameter tolerance core insulation  | ±5%                                                                                                                                            |
| Shore hardness wire insulation            | 70 ± 5 Shore D                                                                                                                                 |
| Ingredient freeness wire insulation       | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free                                                                                 |
| Amount strands (wire)                     | 42                                                                                                                                             |
| Diameter of single wires                  | 0,1 mm                                                                                                                                         |
| Conductor crosssection (wire)             | 0,34 mm <sup>2</sup>                                                                                                                           |
| Material conductor wire                   | Stranded copper wire, bare                                                                                                                     |
| Conductor type (wire)                     | strand class 6                                                                                                                                 |
| Nominal voltage AC max.                   | 300 V                                                                                                                                          |
| Current load capacity (standard)          | to DIN VDE 0298-4                                                                                                                              |
| Current load capacity min. wire           | 4,8 A                                                                                                                                          |
| Electrical resistance line constant wire  | 57 Ω/km @ 20 °C                                                                                                                                |
| AC withstand voltage (wire - wire)        | 2.5 kV @ 60 s                                                                                                                                  |
| Power frequency withstand voltage (wire - |                                                                                                                                                |
| jacket)                                   | 2,5 kV @ 60 s                                                                                                                                  |
| Min. operating temperature (static)       | -40 °C                                                                                                                                         |
| Max. operating temperature (fixed)        | 80 °C / 90 °C @ 10000 h Operation                                                                                                              |
| Operating temperature min. (dynamic)      | -25 °C                                                                                                                                         |
| Operating temperature max. (dynamic)      | 80 °C / 90 °C @ 10000 h Operation                                                                                                              |
| 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)                    | 5 x Outer diameter                                                                                                                             |
| Bending radius (dynamic)                  | 10 x Outer diameter                                                                                                                            |
| No. of bending cycles (C-track)           | 10 Mio. @ 25 °C                                                                                                                                |
| Traversing distance (C-track)             | 10 m @ 25 °C   horizontal                                                                                                                      |
| Travel speed (C-track)                    | 3 m/s @ 25 °C                                                                                                                                  |
| No. of torsion cycles                     | 2 Mio.                                                                                                                                         |
| Torsion stress                            | ± 180 °/m                                                                                                                                      |
|                                           |                                                                                                                                                |

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