

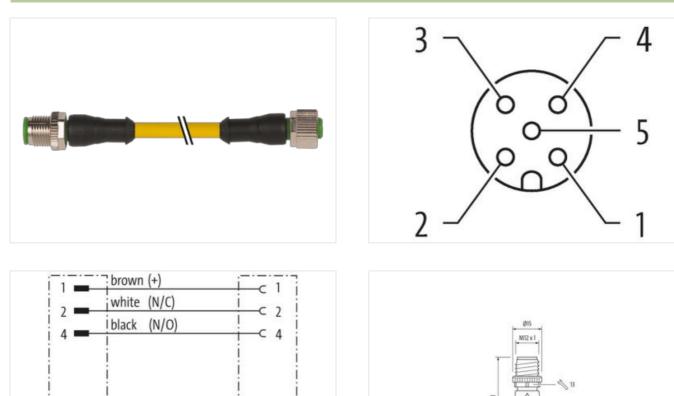
## M12 male 0° / M12 female 0° A-cod.

PUR 5x0.34 ye UL/CSA+drag ch. 9m

Male straight – female straight M12 – M12, 5-pole A-coded 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





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(\* gray)

(\* for cable type 126, 732, 219, 619)

blue (-)

gn/ye

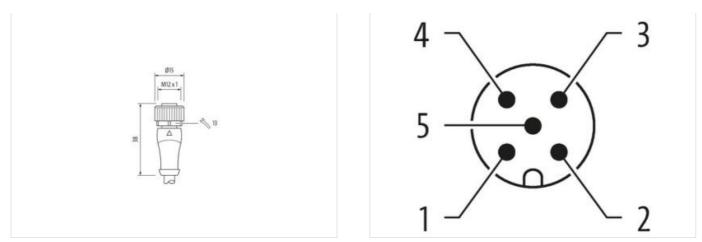
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Product may differ from Image



| Side 1Tightening torque0,6 NmMounting methodinserted, screwedFineadM12 x 1uitable for corrugated tube (internal Ø)10 mmCable outletstraightCodingAMaterialPURNo. of poles5Vidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2Image: ScrewedTightening torque0,6 NmMounting methodinserted, screwedFineadM12 x 1uitable for corrugated tube (internal Ø)10 mmSolde 2Image: ScrewedTightening torque0,6 NmMounting methodinserted, screwedFineadM12 x 1uitable for corrugated tube (internal Ø)10 mmCable outletstraightCodingAMaterialPURNo. of poles5Vidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial dataSW13ECLASS-6.027279218ECLASS-7.027279218ECLASS-7.027279218ECLASS-9.027060311ECLASS-10.127060311   |  |                   |
|--|--|-------------------|
| ightening torque0,6 NmMounting methodinserted, screwediamily construction formM12'hreadM12 x 1uitable for corrugated tube (internal Ø)10 mmCable outletstraightCodingAMaterialPURNo. of poles5Vidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2Isserted, screwedamily construction formM12Anuting methodinserted, screwedamily construction formM12 x 1InteradM12 x 1uitable for corrugated tube (internal Ø)10 mmCodingAAnaterialPURAdaterialPURCodingAMaterialPURCodingAMaterialPURAnaterialPURAnaterialPURAnaterialPURAnaterialSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial dataSW13ECLASS-6.027279218ECLASS-7.027279218ECLASS-7.027279218ECLASS-9.027060311ECLASS-10.127060311  | Cable length   | 9 m               |
| Aunuting methodinserted, screwedamily construction formM12InreadM12 x 1uitable for corrugated tube (internal Ø)10 mmDable outletstraightCodingAAterialPURNo. of poles5Vidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2IP65, IP66K, IP67Commercial dataM12 x 1uitable for corrugated tube (internal Ø)10 mmAduating methodinserted, screwedamily construction formM12Nuable outletstraightCodingAAterialPURNo. of poles5Vidth across flatsSW13Degree of protection (EN IEC 60529)IP66K, IP67Side 2IP10Contraction formM12M1210 mmAduaterialPURNo. of poles5Vidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial dataECLASS-6.0ECLASS-6.027279218ECLASS-7.027279218ECLASS-8.027060311ECLASS-10.127060311   | Side 1   |                   |
| Adunting methodinserted, screwedFamily construction formM12IhreadM12 x 1uitable for corrugated tube (internal Ø)10 mmCable outletstraightCodingAAterialPURNo. of poles5Vidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2*********************************   | Tightening torque                                    | 0,6 Nm            |
| InreadM12 x 1uitable for corrugated tube (internal Ø)10 mmCable outletstraightCodingAMaterialPURNo. of poles5Vidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2*********************************   | Mounting method                                      | inserted, screwed |
| Link10 mmCable outletstraightCodingAAlaterialPURNo. of poles5Vidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2*********************************   | Family construction form                             | M12               |
| Cable outletstraightCodingAAterialPURNo. of poles5Vidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2IP65, IP66K, IP67Side 2Image: StraightAounting methodinserted, screwedamily construction formM12ThreadM12 x 1uitable for corrugated tube (internal Ø)10 mmCodingAAterialPURNo. of poles5Vidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial data27279218CICLASS-6.027279218CICLASS-9.027060311ECLASS-10.127060311   | Thread   | M12 x 1           |
| DecisionAMaterialPURNo. of poles5Vidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2IP65, IP66K, IP67Side 2IP65, IP66K, IP67Side 1inserted, screwedAunting methodinserted, screwedfamily construction formM12ThreadM12 x 1uitable for corrugated tube (internal Ø)10 mmDable outletstraightCodingAAdaterialPURNo. of poles5Vidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial data27279218ECLASS-6.027279218CCLASS-7.027279218ECLASS-9.027060311ECLASS-10.127060311   | suitable for corrugated tube (internal $\emptyset$ ) | 10 mm             |
| AtterialPURActerialPURActorialSW13No. of poles5With across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2IP65, IP66K, IP67Side 2Image: State of the | Cable outlet   | straight          |
| No. of poles5Vidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2*********************************   | Coding   | A                 |
| Width across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2"ightening torque0,6 NmAounting methodinserted, screwed"amily construction formM12"hreadM12 x 1uitable for corrugated tube (internal Ø)10 mmCodingAAterialPURNo. of poles5Vidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial data27279218ECLASS-6.027279218ECLASS-7.027279218ECLASS-9.027060311ECLASS-10.127060311   | Material   | PUR               |
| Degree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2"ightening torque0,6 NmAlounting methodinserted, screwedFamily construction formM12"hreadM12 x 1uitable for corrugated tube (internal Ø)10 mmCable outletstraightCodingAAterialPURNo. of poles5Vidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial dataECLASS-6.027279218ECLASS-7.027279218ECLASS-8.027279218ECLASS-9.027060311ECLASS-10.127060311  | No. of poles   | 5                 |
| Side 2Tightening torque0,6 NmAounting methodinserted, screwedTamily construction formM12ThreadM12 x 1uitable for corrugated tube (internal Ø)10 mmCable outletstraightCodingAAtterialPURAo. of poles5Vidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial data27279218ECLASS-6.027279218ECLASS-8.027279218ECLASS-9.027060311ECLASS-10.127060311  | Width across flats                                   | SW13              |
| Tightening torque0,6 NmAounting methodinserted, screwedFamily construction formM12ThreadM12 x 1uitable for corrugated tube (internal Ø)10 mmCable outletstraightCodingAMaterialPURNo. of poles5Vidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial data27279218CCLASS-6.027279218CCLASS-8.027279218CLASS-9.027060311ECLASS-10.127060311   | Degree of protection (EN IEC 60529)                  | IP65, IP66K, IP67 |
| Mounting methodinserted, screwedFamily construction formM12ThreadM12 x 1uitable for corrugated tube (internal Ø)10 mmCable outletstraightCodingAMaterialPURNo. of poles5Vidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial data27279218ECLASS-6.027279218ECLASS-8.027279218ECLASS-9.027060311ECLASS-10.127060311   | Side 2   |                   |
| amily construction formM12IhreadM12 x 1uitable for corrugated tube (internal Ø)10 mmCable outletstraightCodingAMaterialPURNo. of poles5Vidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial dataECLASS-6.027279218ECLASS-7.027279218ECLASS-8.027279218ECLASS-9.027060311ECLASS-10.127060311  | Tightening torque                                    | 0,6 Nm            |
| hread     M12 x 1       uitable for corrugated tube (internal Ø)     10 mm       Cable outlet     straight       Coding     A       Material     PUR       No. of poles     5       Vidth across flats     SW13       Degree of protection (EN IEC 60529)     IP65, IP66K, IP67       Commercial data     27279218       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-9.0     27060311       ECLASS-10.1     27060311  | Mounting method                                      | inserted, screwed |
| uitable for corrugated tube (internal Ø)10 mmCable outletstraightCodingAMaterialPURNo. of poles5Vidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial dataECLASS-6.027279218ECLASS-7.027279218ECLASS-8.027279218ECLASS-9.027060311ECLASS-10.127060311   | Family construction form                             | M12               |
| Stable outlet     straight       Coding     A       Aterial     PUR       Ao. of poles     5       Vidth across flats     SW13       Degree of protection (EN IEC 60529)     IP65, IP66K, IP67       Commercial data     27279218       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-8.0     27279218       ECLASS-9.0     27060311       ECLASS-10.1     27060311   | Thread   | M12 x 1           |
| Coding     A       Material     PUR       No. of poles     5       Vidth across flats     SW13       Degree of protection (EN IEC 60529)     IP65, IP66K, IP67       Commercial data     27279218       ECLASS-6.0     27279218       ECLASS-8.0     27279218       ECLASS-9.0     27060311       ECLASS-10.1     27060311   | suitable for corrugated tube (internal $\emptyset$ ) | 10 mm             |
| PUR       No. of poles     5       Vidth across flats     SW13       Degree of protection (EN IEC 60529)     IP65, IP66K, IP67       Commercial data     27279218       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-8.0     27279218       ECLASS-9.0     27060311       ECLASS-10.1     27060311   | Cable outlet   | straight          |
| No. of poles     5       Vidth across flats     SW13       Degree of protection (EN IEC 60529)     IP65, IP66K, IP67       Commercial data     27279218       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-8.0     27279218       ECLASS-9.0     27060311       ECLASS-10.1     27060311   | Coding   | А                 |
| Width across flats     SW13       Degree of protection (EN IEC 60529)     IP65, IP66K, IP67       Commercial data     27279218       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-8.0     27279218       ECLASS-9.0     27060311       ECLASS-10.1     27060311  | Material   | PUR               |
| Degree of protection (EN IEC 60529)   IP65, IP66K, IP67     Commercial data     ECLASS-6.0   27279218     ECLASS-7.0   27279218     ECLASS-8.0   27279218     ECLASS-9.0   27060311     ECLASS-10.1   27060311   | No. of poles   | 5                 |
| Commercial data       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-8.0     27279218       ECLASS-9.0     27060311       ECLASS-10.1     27060311   | Width across flats                                   | SW13              |
| CLASS-6.0 27279218   CCLASS-7.0 27279218   CCLASS-8.0 27279218   CCLASS-9.0 27060311   CCLASS-10.1 27060311  | Degree of protection (EN IEC 60529)                  | IP65, IP66K, IP67 |
| CLASS-7.0 27279218   CLASS-8.0 27279218   CLASS-9.0 27060311   CLASS-10.1 27060311   | Commercial data                                      |                   |
| CLASS-8.0     27279218       CLASS-9.0     27060311       CLASS-10.1     27060311  | ECLASS-6.0   | 27279218          |
| ECLASS-9.0     27060311       ECLASS-10.1     27060311   | ECLASS-7.0   | 27279218          |
| ECLASS-10.1 27060311   | ECLASS-8.0   | 27279218          |
| 2,00011  | ECLASS-9.0   | 27060311          |
| ECLASS-11.1 27060311   | ECLASS-10.1  | 27060311          |
|  | ECLASS-11.1  | 27060311          |
|  |  |                   |

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| ECLASS-12.0  | 27060311   |
|--|--|
| ETIM-5.0   | EC001855   |
| customs tariff number  | 85444290   |
| GTIN   | 4048879594622  |
| Packaging unit   | 1  |
| Electrical data   Supply   |  |
|  |  |
| Operating voltage AC max.  | 125 V  |
| Operating voltage DC max.  | 125 V  |
| Operating voltage AC (UL-listed)                                       | 30 V   |
| Operating voltage DC (UL-listed)<br>Current operating per contact max. | 30 V<br>4 A  |
|  | 47   |
| Installation   Connection  |  |
| Mounting set   | M12 x 1  |
| Device protection   Electrical   |  |
| Degree of protection (EN IEC 60529)                                    | IP65, IP67, IP66K  |
| Additional condition protection degree                                 | inserted, screwed  |
| Pollution Degree   | 3  |
| Rated surge voltage  | 1,5 kV   |
| Material group (IEC 60664-1)   | l  |
| 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  | , , , , , , , , , , , , , , , , , , ,  |
|  | incerted serviced Chaling protection   |
| Mounting method  | inserted, screwed, Shaking protection  |
| Environmental characteristics   Climatic                               |  |
| Operating temperature min.   | -25 °C   |
| Operating temperature max.   | 85 °C  |
| Additional condition temperature range                                 | depending on cable quality   |
| Important installation notes   |  |
| Note on strain relief  | 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, gray  |
| Cable identification   | 126  |
| Cable Type   | 3  |
| Jacket Color   | yellow   |
| Type of Certificate  | cURus  |
| Amount stranding   | 1  |
| Stranding  | 5 wires around Core filler twisted   |
| Filler   | yes  |
| wire arrangement   | brown, black, blue, white, gray  |
| Cable weigth   | 41,8 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)  | 4,8 mm   |
|  |  |

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| Tolerance outer diameter (sheath)                 | ± 5 %  |
|---|--|
| Material wire insulation                          | PP   |
| Amount wires                                      | 5  |
| 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                   | 4,5 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                                  | UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090            |
| 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  |
| Torsion speed                                     | 35 cycles/min  |

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