

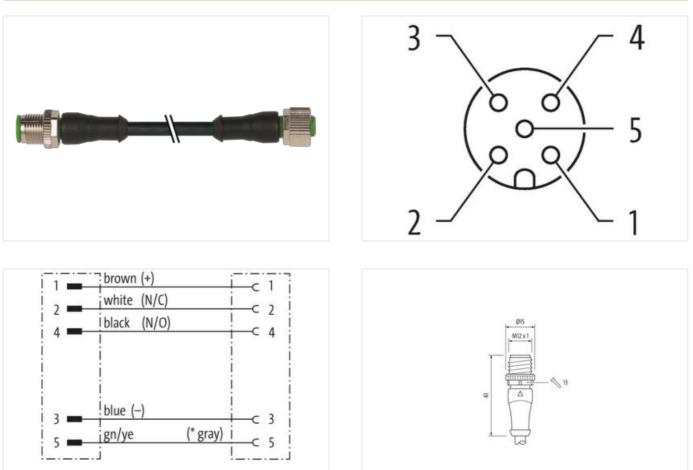
## M12 male 0° / M12 female 0° A-cod.

PVC 5x0.34 bk UL/CSA 2m

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

Illustration

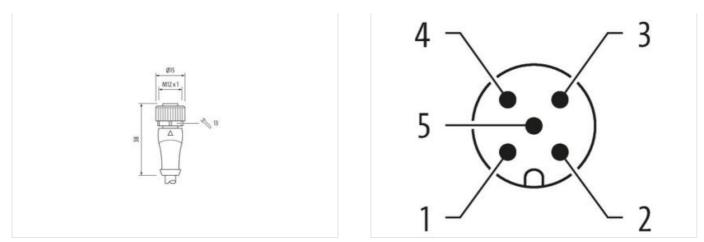


(\* for cable type 126, 732, 219, 619)

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Product may differ from Image



| Side 1ightening torque0,6 Nmfounting methodinserted, screwedamily construction formM12hreadM12 x 1uitable for corrugated tube (internal Ø)10 mmsable outletstraightstodingAtaterialPURlo. of poles5Vith across flatsSW13legree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2ightening torque0,6 Nmfounting methodinserted, screwedamily construction formM12 x 1witable for corrugated tube (internal Ø)10 mmsable outletstraighttoolingAfounting methodinserted, screwedamily construction formM12 x 1witable for corrugated tube (internal Ø)10 mmsable outletstraighttoolingAtaterialPURto of poles5Vidth across flatsSW13tegree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial data27279218CLASS-6.027279218CLASS-6.127279218CLASS-7.027279218CLASS-8.027279218CLASS-9.027060311  |   |                   |
|--|---|-------------------|
| ightening torque0.6 Nmfounting methodinserted, screwedamily construction formM12hreadM12 x 1uitable for corrugated tube (internal Ø)10 mmsable outletstraightiodingAtaterialPURto. of poles5Vidth across flatsSW13regree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2ightening torque0.6 Nmfounting methodinserted, screwedamily construction formM12hreadM12 x 1uitable for corrugated tube (internal Ø)10 mmsable outletstraightcodingAfaterialPURto of poles5fitterialPURfor corrugated tube (internal Ø)10 mmsable outletstraightcodingAfaterialPURto of poles5Vidth across flatsSW13regree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial data27279218CLASS-6.027279218CLASS-6.127279218CLASS-7.027279218CLASS-8.027279218CLASS-9.027060311   | Cable length                              | 2 m               |
| Journing methodinserted, screwedamily construction formM12hreadM12 x 1uitable for corrugated tube (internal Ø)10 mmiable outletstraightioo of poles5Vidth across flatsSW13legree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2ightening torque0,6 Nmfounting methodinserted, screwedamily construction formM12hreadM12 x 1uitable for corrugated tube (internal Ø)10 mmiable outletstraightioo of poles5Side 210 mmioonting methodinserted, screwedamily construction formM12hreadM12 x 1uitable for corrugated tube (internal Ø)10 mmiable outletstraightioolingAtaterialPURio. of poles5Vidth across flatsSW13regree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial data27279218CLASS-6.027279218CLASS-7.027279218CLASS-8.027279218CLASS-9.027060311  | Side 1                                    |                   |
| amily construction formM12hreadM12 x 1uitable for corrugated tube (internal Ø)10 mmiable outletstraightiodingAlaterialPURlo. of poles5Vidth across flatsSW13legree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2ightening torque0,6 Nmfounting methodinserted, screwedamily construction formM12hreadM12 x 1uitable for corrugated tube (internal Ø)10 mmable outletstraightiodingAlaterialPURlo. of poles5CodingAfaterialPURlo. of poles5Vidth across flatsSW13regree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial dataCLASS-6.0CLASS-6.027279218CLASS-7.027279218CLASS-8.027279218CLASS-9.027060311   | Tightening torque                         | 0,6 Nm            |
| hreadM12 x 1uitable for corrugated tube (internal Ø)10 mmable outletstraighticodingAfaterialPURto. of poles5Vidth across flatsSW13regree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2IP65, IP66K, IP67Side 2IP65, IP66K, IP67Side 1Inserted, screwedamily construction formM12hreadM12 x 1uitable for corrugated tube (internal Ø)10 mmable outletstraightisodingAfaterialPURto. of poles5colingAfaterialPURuitable for corrugated tube (internal Ø)10 mmable outletstraightisodingAfaterialPURto. of poles5Vidth across flatsSW13legree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial data27279218CLASS-6.027279218CLASS-7.027279218CLASS-7.027279218CLASS-9.027260311   | Mounting method                           | inserted, screwed |
| Litable for corrugated tube (internal Ø)10 mmsable outletstraightsodingAAtaterialPURlo. of poles5vidth across flatsSW13legree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2Image: Straightightening torque0,6 Nmfounting methodinserted, screwedamily construction formM12hreadM12 x 1uitable for corrugated tube (internal Ø)10 mmsable outletstraightsodingAAtaterialPURImage: StraightsodingAfaterialPURlo. of poles5vidth across flatsSW13regree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial data27279218CLASS-6.027279218CLASS-7.027279218CLASS-7.027279218CLASS-9.027060311  | Family construction form                  | M12               |
| stable outletstraightfaderialPURlaterialPURlo. of poles5Vidth across flatsSW13begree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2IP65, IP66K, IP67Side 2IP65, IP66K, IP67founting methodinserted, screwedamily construction formM12hreadM12 x 1uitable for corrugated tube (internal Ø)10 mmable outletstraightscolingAfaterialPURlo. of poles5Vidth across flatsSW13tegree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial data27279218CLASS-6.027279218CLASS-7.027279218CLASS-8.027279218CLASS-8.027279218CLASS-9.027060311   | Thread                                    | M12 x 1           |
| AIdaterialPURIo. of poles5Vidth across flatsSW13Ibegree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2IP65, IP66K, IP67Side 2Image: Image: Im | suitable for corrugated tube (internal Ø) | 10 mm             |
| IntervalPURIde of poles5Vidth across flatsSW13begree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2ightening torque0,6 Nmfounting methodinserted, screwedamily construction formM12hreadM12 x 1uitable for corrugated tube (internal Ø)10 mmable outletstraightboot of poles5Vidth across flatsSW13tegree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial data27279218CLASS-6.027279218CLASS-7.027279218CLASS-8.027279218CLASS-8.027279218CLASS-8.027279218CLASS-8.027279218CLASS-8.027279218CLASS-8.027279218CLASS-8.027279218CLASS-8.027279218CLASS-8.027279218CLASS-8.027279218CLASS-8.027279218CLASS-8.027279218CLASS-8.027279218CLASS-8.027279218CLASS-8.027279218   | Cable outlet                              | straight          |
| Io. of poles5Vidth across flatsSW13begree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2  | Coding                                    | А                 |
| Vidth across flatsSW13regree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2ightening torque0,6 Nmfounting methodinserted, screwedamily construction formM12hreadM12 x 1uitable for corrugated tube (internal Ø)10 mmsable outletstraightcodingAfaterialPURlo. of poles5vidth across flatsSW13legree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial dataZ7279218CLASS-6.027279218CLASS-7.027279218CLASS-9.027060311   | Material                                  | PUR               |
| legree of protection (EN IEC 60529)IP65, IP66K, IP67Side 2ightening torque0,6 Nmfounting methodinserted, screwedamily construction formM12hreadM12 x 1uitable for corrugated tube (internal Ø)10 mmcable outletstraightcodingAlaterialPURlo. of poles5Vidth across flatsSW13legree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial data27279218CLASS-6.027279218CLASS-7.027279218CLASS-7.027279218CLASS-9.027060311  | No. of poles                              | 5                 |
| Side 2ightening torque0,6 Nmfounting methodinserted, screwedamily construction formM12hreadM12 x 1uitable for corrugated tube (internal Ø)10 mmcable outletstraightcodingAfaterialPURlo. of poles5Vidth across flatsSW13legree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial data27279218CLASS-6.127279218CLASS-7.027279218CLASS-8.027279218CLASS-9.027060311  | Width across flats                        | SW13              |
| ightening torque0,6 NmMounting methodinserted, screwedamily construction formM12hreadM12 x 1uitable for corrugated tube (internal Ø)10 mmsable outletstraightcodingAMaterialPURlo. of poles5Vidth across flatsSW13regree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial data27279218CLASS-6.027279218CLASS-7.027279218CLASS-8.027279218CLASS-9.027060311  | Degree of protection (EN IEC 60529)       | IP65, IP66K, IP67 |
| Mounting methodinserted, screwedamily construction formM12hreadM12 x 1uitable for corrugated tube (internal Ø)10 mmable outletstraightsodingAlaterialPURlo. of poles5Vidth across flatsSW13legree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial data27279218CLASS-6.127279218CLASS-7.027279218CLASS-8.027279218CLASS-8.027279218CLASS-9.027060311  | Side 2                                    |                   |
| amily construction formM12hreadM12 x 1uitable for corrugated tube (internal Ø)10 mmcable outletstraightcodingAMaterialPURlo. of poles5Vidth across flatsSW13begree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial dataCCLASS-6.027279218CLASS-6.127279218CLASS-7.027279218CLASS-8.027279218CLASS-9.027060311  | Tightening torque                         | 0,6 Nm            |
| hreadM12 x 1uitable for corrugated tube (internal Ø)10 mmcable outletstraightcodingAMaterialPURlo. of poles5Vidth across flatsSW13begree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial dataCLASS-6.027279218CLASS-6.127279218CLASS-7.027279218CLASS-8.027279218CLASS-9.027060311   | Mounting method                           | inserted, screwed |
| uitable for corrugated tube (internal Ø)10 mmGable outletstraightcodingANaterialPURIo. of poles5Vidth across flatsSW13Degree of protection (EN IEC 60529)IP65, IP66K, IP67Commercial dataCLASS-6.027279218CLASS-6.127279218CLASS-7.027279218CLASS-8.027279218CLASS-9.027060311   | Family construction form                  | M12               |
| straight         straight           icoding         A           flaterial         PUR           lo. of poles         5           Vidth across flats         SW13           leegree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data         27279218           CLASS-6.0         27279218           CLASS-7.0         27279218           CLASS-8.0         27279218           CLASS-9.0         27060311   | Thread                                    | M12 x 1           |
| A           A           Itaterial         PUR           Io. of poles         5           Vidth across flats         SW13           Vegree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data         Z           CLASS-6.0         27279218           CLASS-6.1         27279218           CLASS-7.0         27279218           CLASS-8.0         27279218           CLASS-9.0         27060311  | suitable for corrugated tube (internal Ø) | 10 mm             |
| PUR           Io. of poles         5           Vidth across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data         27279218           CCLASS-6.0         27279218           CLASS-7.0         27279218           CLASS-8.0         27279218           CLASS-9.0         27060311   | Cable outlet                              | straight          |
| Io. of poles         5           Vidth across flats         SW13           begree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data         27279218           ICLASS-6.0         27279218           ICLASS-7.0         27279218           ICLASS-8.0         27279218           ICLASS-8.0         27279218           ICLASS-9.0         27060311  | Coding                                    |                   |
| Vidth across flats         SW13           Jegree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data         Z7279218           CLASS-6.0         27279218           CLASS-7.0         27279218           CLASS-8.0         27279218           CLASS-9.0         27279218   | Material                                  | PUR               |
| Vegree of protection (EN IEC 60529)       IP65, IP66K, IP67         Commercial data       27279218         CLASS-6.1       27279218         CLASS-7.0       27279218         CLASS-8.0       27279218         CLASS-9.0       27060311   | No. of poles                              | 5                 |
| Commercial data           CLASS-6.0         27279218           CLASS-6.1         27279218           CLASS-7.0         27279218           CLASS-8.0         27279218           CLASS-9.0         27060311   | Width across flats                        | SW13              |
| CLASS-6.0     27279218       CCLASS-6.1     27279218       CCLASS-7.0     27279218       CCLASS-8.0     27279218       CCLASS-9.0     27060311   | Degree of protection (EN IEC 60529)       | IP65, IP66K, IP67 |
| CLASS-6.1     27279218       CLASS-7.0     27279218       CLASS-8.0     27279218       CLASS-9.0     27060311  | Commercial data                           |                   |
| CLASS-7.0     27279218       CLASS-8.0     27279218       CLASS-9.0     27060311   | ECLASS-6.0                                | 27279218          |
| CLASS-8.0         27279218           CLASS-9.0         27060311  | ECLASS-6.1                                | 27279218          |
| CLASS-9.0 27060311   | ECLASS-7.0                                | 27279218          |
| 2,00011  | ECLASS-8.0                                | 27279218          |
| CLASS-10.1 27060311  | ECLASS-9.0                                | 27060311          |
|  | ECLASS-10.1                               | 27060311          |
|  |   |                   |

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| ECLASS-11.1  | 27060311   |
|--|--|
| ECLASS-12.0  | 27060311   |
| ETIM-5.0   | EC001855   |
| customs tariff number                                      | 85444290   |
| GTIN   | 4048879181938  |
| 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)                           | 30 V   |
| Current operating per contact max.                         | 4 A  |
| 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)                               |  |
| 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  | 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                                       |  |
| •  |  |
| Cable identification                                       | 615  |
| Cable Type   | 1  |
| Jacket Color   | black  |
| Type of Certificate  | cURus  |
| Amount stranding<br>Stranding                              |  |
| Filler   | 5 wires around Core filler twisted   |
|  | yes<br>brown, black, blue, white, green-yellow   |
| wire arrangement Cable weigth                              | 48,4 g/m   |
| -  | PVC  |
| Material jacket  | 85 ± 5 Shore A   |
| Shore hardness jacket<br>Freedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, silicone-free   |
| Outer-diameter (jacket)                                    | 5.2 mm   |
|  | V,E 11111  |

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| Tolerance outer diameter (sheath)                 | ±5%  |
|---|--|
| Material wire insulation                          | PVC  |
| Amount wires                                      | 5  |
| Outer diameter insulation                         | 1,25 mm  |
| Outer diameter tolerance core insulation          | ±5%  |
| Shore hardness wire insulation                    | 45 ± 5 Shore D                                       |
| Material properties wire insulation               | good machinability                                   |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, silicone-free     |
| Amount strands (wire)                             | 19   |
| Diameter of single wires                          | 0,15 mm  |
| Conductor crosssection (wire)                     | 0,34 mm <sup>2</sup>                                 |
| Material conductor wire                           | Stranded copper wire, bare                           |
| Conductor type (wire)                             | Strand class 5                                       |
| 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 kV @ 60 s  |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s  |
| Min. operating temperature (static)               | -30 °C   |
| Max. operating temperature (fixed)                | 0° C   |
| Operating temperature min. (dynamic)              | -5 °C  |
| Operating temperature max. (dynamic)              | 0° C   |
| UV resistance                                     | DIN EN ISO 4892-2 A                                  |
| Flame resistance                                  | IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  |
| chemical resistance                               | Good, application-related testing                    |
| Gasoline resistance                               | Good, application-related testing                    |
| Oil resistance                                    | DIN EN 60811-404   Good, application-related testing |
| Bending radius (fixed)                            | 5 x Outer diameter                                   |
| Bending radius (dynamic)                          | 10 x Outer diameter                                  |

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