

## M12 male 0° / M12 female 0° A-cod.

PUR 8x0.25 gy UL/CSA+drag ch. 10m

Male straight – female straight

M12 - M12, 8-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

Plastic housings with good resistance against chemicals and oils.

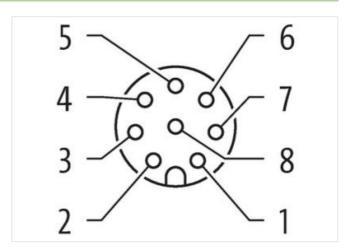
The resistance to aggressive media should be individually tested for your application. Further details on request.

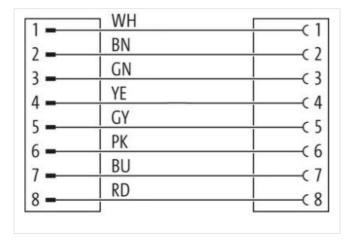
Further cable lengths on request.

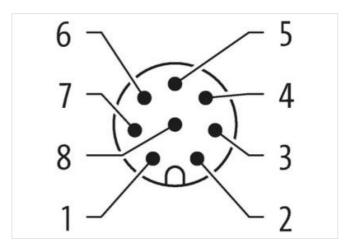
## **Link to Product**

## Illustration



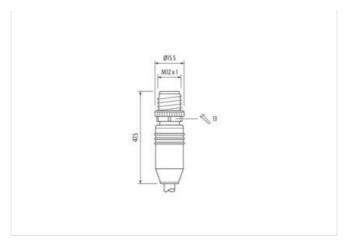


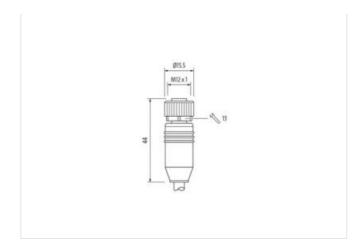






## stay connected





Product may differ from Image





| Coating contact         gold plated           Family construction form         M12           Material contact         Copper alloy           No. of poles         8           Side 2           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Material contact         Copper alloy           No. of poles         8           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         2760311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC01855           customs tariff number         85444290           GTIN         404879139762           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V | Cable length                   | 10 m              |
|--|--------------------------------|-------------------|
| Coating contact         gold plated           Family construction form         M12           Material contact         Copper alloy           No. of poles         8           Side 2           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Material contact         Copper alloy           No. of poles         8           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         2760311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC01855           customs tariff number         85444290           GTIN         404879139762           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V | Side 1                         |                   |
| Family construction form         M12           Material contact         Copper alloy           No. of poles         8           Side 2           Mounting method           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Material contact         Copper alloy           No. of poles         8           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC01855           customs tariff number         8544290           GTIN         4048879139762           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V                    | Mounting method                | inserted, screwed |
| Material contact         Copper alloy           No. of poles         8           Side 2           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Material contact         Copper alloy           No. of poles         8           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-10.2         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879139762           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V             | Coating contact                | gold plated       |
| No. of poles         8           Side 2           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Material contact         Copper alloy           No. of poles         8           Commercial data         Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECTIN-5.0         EC001855           Coustoms tariff number         85444290           GTIN         4048879139762           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V                                     | Family construction form       | M12               |
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| Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M12           Material contact         Copper alloy           No. of poles         8           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879139762           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V   | No. of poles                   | 8                 |
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| Family construction form         M12           Material contact         Copper alloy           No. of poles         8           Commercial data           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-10.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879139762           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         30 V           Operating voltage DC max.         30 V  | Mounting method                | inserted, screwed |
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| No. of poles 8  Commercial data  ECLASS-6.0 27279218  ECLASS-6.1 27279218  ECLASS-7.0 27279218  ECLASS-8.0 27279218  ECLASS-9.0 27060311  ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4048879139762  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Device protection   Electrical  | Family construction form       | M12               |
| Commercial data         ECLASS-6.0       27279218         ECLASS-6.1       27279218         ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879139762         Packaging unit       1         Electrical data   Supply         Operating voltage AC max.       30 V         Operating voltage DC max.       30 V         Device protection   Electrical  | Material contact               | Copper alloy      |
| ECLASS-6.0 27279218  ECLASS-7.0 27279218  ECLASS-8.0 27279218  ECLASS-9.0 27060311  ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4048879139762  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Device protection   Electrical  | No. of poles                   | 8                 |
| ECLASS-6.1       27279218         ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879139762         Packaging unit       1         Electrical data   Supply         Operating voltage AC max.       30 V         Operating voltage DC max.       30 V         Device protection   Electrical  | Commercial data                |                   |
| ECLASS-7.0 27279218  ECLASS-8.0 27279218  ECLASS-9.0 27060311  ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4048879139762  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage DC max. 30 V  Device protection   Electrical   | ECLASS-6.0                     | 27279218          |
| ECLASS-8.0 27279218  ECLASS-9.0 27060311  ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4048879139762  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Device protection   Electrical  | ECLASS-6.1                     | 27279218          |
| ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879139762 Packaging unit 1  Electrical data   Supply Operating voltage AC max. 30 V Operating voltage DC max. 30 V  Device protection   Electrical  | ECLASS-7.0                     | 27279218          |
| ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879139762 Packaging unit 1  Electrical data   Supply Operating voltage AC max. 30 V Operating voltage DC max. 30 V  Device protection   Electrical  | ECLASS-8.0                     | 27279218          |
| ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879139762 Packaging unit 1  Electrical data   Supply Operating voltage AC max. 30 V Operating voltage DC max. 30 V  Device protection   Electrical   | ECLASS-9.0                     | 27060311          |
| ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879139762         Packaging unit       1         Electrical data   Supply         Operating voltage AC max.       30 V         Operating voltage DC max.       30 V         Device protection   Electrical  | ECLASS-10.1                    | 27060311          |
| ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879139762 Packaging unit 1  Electrical data   Supply Operating voltage AC max. 30 V Operating voltage DC max. 30 V  Device protection   Electrical   |                                | 27060311          |
| Customs tariff number 85444290  GTIN 4048879139762  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage DC max. 30 V  Device protection   Electrical   | ECLASS-12.0                    | 27060311          |
| GTIN 4048879139762  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage DC max. 30 V  Device protection   Electrical   | ETIM-5.0                       | EC001855          |
| Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage DC max. 30 V  Device protection   Electrical   | customs tariff number          |                   |
| Electrical data   Supply  Operating voltage AC max. 30 V  Operating voltage DC max. 30 V  Device protection   Electrical   |                                | 4048879139762     |
| Operating voltage AC max. 30 V Operating voltage DC max. 30 V  Device protection   Electrical  | Packaging unit                 | 1                 |
| Operating voltage DC max. 30 V  Device protection   Electrical   | Electrical data   Supply       |                   |
| Device protection   Electrical   | Operating voltage AC max.      | 30 V              |
|  | Operating voltage DC max.      | 30 V              |
| Pollution Degree 3   | Device protection   Electrical |                   |
|  | Pollution Degree               | 3                 |



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| Rated surge voltage   | 0,8 kV   |
|---|--|
| Material group (IEC 60664-1)  | I  |
| 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. |
| Installation   Cable  |  |
| wire arrangement  | brown, white, red, blue, pink, gray, yellow, green   |
| Cable identification  | 292  |
| Cable Type  | 3  |
| Jacket Color  | gray   |
| Type of Certificate   | cURus  |
| Amount stranding  | 1  |
| Stranding   | 8 wires around Core filler twisted   |
| Filler  | yes  |
| wire arrangement  | brown, white, red, blue, pink, gray, yellow, green   |
| Cable weigth  | 52,8 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)   | 5.8 mm   |
| Tolerance outer diameter (sheath)   | ± 5 %  |
| Material wire insulation  | PP P   |
| Amount wires  | 8  |
| Outer diameter insulation   | 1.2 mm   |
| Outer diameter tolerance core insulation                                      | ± 5 %  |
| Shore hardness wire insulation  | 70 ± 5 Shore D   |
|   | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   |
| Ingredient freeness wire insulation  Amount strands (wire)                    | 32   |
|   |  |
| Diameter of single wires  | 0,1 mm   |
| Conductor crosssection (wire)  Material conductor wire                        | 0,25 mm² Stranded copper wire, bare  |
|   |  |
| Conductor type (wire)   | strand class 6   |
| Nominal voltage AC max.   | 300 V<br>to DIN VDE 0298-4   |
| Current load capacity (standard)  |  |
| Current load capacity min. wire  Electrical resistance line constant wire     | 3 A<br>79 Ω/km @ 20 °C   |
|   |  |
| AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - | 2,5 kV @ 60 s  |
| 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 § 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       |
|---------------------------------|---------------------------|
| 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             |