

## M12 male 0° / M12 female 0°

PUR 5x0.75 bk UL/CSA+drag ch. 3m

Male straight – female straight M12 – M12, 5-pole with cable sleeves

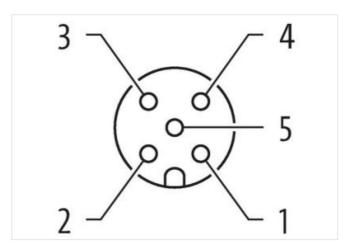
Plastic housings with good resistance against chemicals and oils.

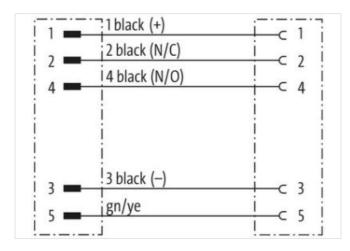
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

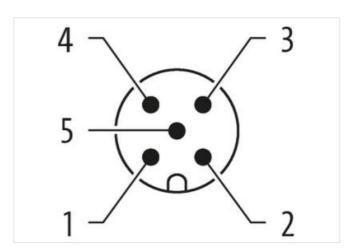
## **Link to Product**

## Illustration



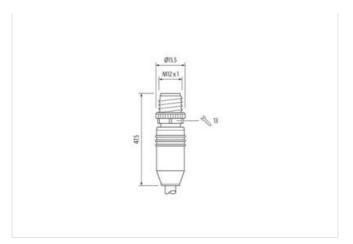


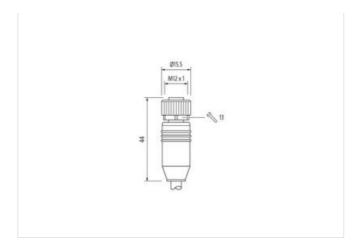






stay connected





Product may differ from Image













| Family construction form M12 Thread M12 x 1 Coding A No. of poles 5 Width across flats SW13 Degree of protection (EN IEC 60529) IP67  Side 2 Tightening torque 0,6 Nm Family construction form M12 Thread M12 x 1 Coding A No. of poles 5  Commercial dat  ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-1.1 27060311 ECLASS-1.1 27060311 ECLASS-1.2 0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879291668 Flactical dat   Supply Coperating voltage AC max. 125 V Coperating voltage AC max. 125 V Coperating voltage AC max. 125 V Coperating voltage AC (UL-listed) 30 V  | Cable length                        | 3 m           |
|--|-------------------------------------|---------------|
| Family construction form M12 Thread M12 x 1 Coding A No. of poles 5 Width across flats SW13 Degree of protection (EN IEC 60529) IP67  Side 2 Tightening torque 0,6 Nm Family construction form M12 Thread M12 x 1 Coding A No. of poles S S Commercial dat ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-1.1 27060311 ECLASS-1.1.1 27060311 ECLASS-1.2.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879291668 Flactical data   Supply Coperating voltage AC max. 125 V Coperating voltage AC max. 125 V Coperating voltage AC max. 125 V Coperating voltage AC (UL-listed) 30 V   | Side 1                              |               |
| Thread         M12 x 1           Coding         A           No. of poles         5           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP67           Side 2           Tightening torque         0.6 Nm           Family construction form         M12           Thread         M12 x 1           Coding         A           No. of poles         5           Commercial date           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-13.0         ECO01855           customs tariff number         85444290           GTIN         4048879291668           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V  | Tightening torque                   | 0,6 Nm        |
| Coding         A           No. of poles         5           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP67           Side 2           Tightening torque         0.6 Nm           Family construction form         M12           Thread         M12 x 1           Coding         A           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           ECLASS-10.2         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC01855           customs tariff number         85444290           GTIN         404879291668           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   | Family construction form            | M12           |
| No. of poles         5           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP67           Side 2           Tightening torque         0.6 Nm           Family construction form         M12           Thread         M12 x 1           Coding         A           No. of poles         5           Commercial data           ECLASS-6.0           ECLASS-7.0           27279218           ECLASS-7.0           2779218           ECLASS-9.0           27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC01855           Customs tariff number         85444290           GTIN         4048879291668           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V  | Thread                              | M12 x 1       |
| Width across flats         SW13           Degree of protection (EN IEC 60529)         IP67           Side 2         Tightening torque           Family construction form         M12           Thread         M12 x 1           Coding         A           No. of poles         5           Commercial data           ECLASS-6.0         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           ECIASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         404879291668           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V   | Coding                              | A             |
| Degree of protection (EN IEC 60529)         IP67           Side 2         Tightening torque         0,6 Nm           Family construction form         M12           Thread         M12 x 1           Coding         A           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           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         ECO01855           customs tariff number         85444290           GTIN         4048879291668           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   | No. of poles                        | 5             |
| Side 2           Tightening torque         0,6 Nm           Family construction form         M12           Thread         M12 x 1           Coding         A           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           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879291668           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  | Width across flats                  | SW13          |
| Tightening torque         0,6 Nm           Family construction form         M12           Thread         M12 x 1           Coding         A           No. of poles         5           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-1.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048879291668           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         125 V           Operating voltage AC (UL-listed)         30 V  | Degree of protection (EN IEC 60529) | IP67          |
| Family construction form         M12           Thread         M12 x 1           Coding         A           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           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879291668           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   | Side 2                              |               |
| Thread   | Tightening torque                   | 0,6 Nm        |
| Coding         A           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           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879291668           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   | Family construction form            | M12           |
| 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  ECLASS-11.1 27060311  ECLASS-11.1 27060311  ECLASS-11.0 27060311  ECLASS-11.0 27060311  ECLASS-11.0 27060311  ECLASS-10.0 27060311  ECLASS-10.1 270 | Thread                              | M12 x 1       |
| Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879291668           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   | Coding                              | A             |
| ECLASS-6.0 27279218  ECLASS-7.0 27279218  ECLASS-8.0 27279218  ECLASS-9.0 27060311  ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4048879291668  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 125 V  Operating voltage AC (UL-listed) 30 V  | No. of poles                        | 5             |
| 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 4048879291668  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 125 V  Operating voltage AC (UL-listed) 30 V  | Commercial data                     |               |
| 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 4048879291668  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 125 V  Operating voltage AC (UL-listed) 30 V  | ECLASS-6.0                          | 27279218      |
| ECLASS-9.0 27060311  ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4048879291668  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 125 V  Operating voltage AC (UL-listed) 30 V   | 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 4048879291668  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 125 V  Operating voltage AC (UL-listed) 30 V  | ECLASS-8.0                          | 27279218      |
| ECLASS-11.1 27060311  ECLASS-12.0 27060311  ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4048879291668  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 125 V  Operating voltage AC (UL-listed) 30 V  | ECLASS-9.0                          | 27060311      |
| ECLASS-12.0 27060311  ETIM-5.0 EC001855 customs tariff number 85444290  GTIN 4048879291668  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  | ECLASS-10.1                         | 27060311      |
| ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4048879291668  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   | ECLASS-11.1                         | 27060311      |
| customs tariff number       85444290         GTIN       4048879291668         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  | ECLASS-12.0                         | 27060311      |
| GTIN 4048879291668 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  | ETIM-5.0                            | EC001855      |
| 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  | customs tariff number               | 85444290      |
| Electrical data   Supply  Operating voltage AC max. 125 V  Operating voltage DC max. 125 V  Operating voltage AC (UL-listed) 30 V  | GTIN                                | 4048879291668 |
| Operating voltage AC max. 125 V Operating voltage DC max. 125 V Operating voltage AC (UL-listed) 30 V  | Packaging unit                      | 1             |
| Operating voltage DC max. 125 V Operating voltage AC (UL-listed) 30 V  | Electrical data   Supply            |               |
| Operating voltage AC (UL-listed) 30 V  | Operating voltage AC max.           | 125 V         |
|  | Operating voltage DC max.           | 125 V         |
| Operating voltage DC (UL-listed) 30 V  | Operating voltage AC (UL-listed)    | 30 V          |
|  | Operating voltage DC (UL-listed)    | 30 V          |

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: 2024-05-03



stay connected

| Current operating per contact max.                                    | 4 A  |
|---|--|
| Diagnostics   |  |
| Status indication LED   | no   |
| Device protection   Electrical  |  |
| 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   |
| Material housing  | PUR  |
| Locking material  | Zinc die-casting   |
|   | 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  | 638  |
| Cable Type  | 3  |
| Printing color of wire insulation                                     | white (isolation black)  |
| Jacket Color  | black  |
| Type of Certificate   | cURus  |
| Amount stranding  | 1  |
| Stranding   | 5 wires around Core filler twisted   |
| Filler  | yes  |
| wire arrangement  | black 1, black 2, black 3, black 4, green-yellow   |
| Traversing distance (C-track)   | 10 m @ 25 °C   horizontal  |
| Cable weigth  | 81,4 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)   | 7 mm   |
| Tolerance outer diameter (sheath)                                     | ± 5 %  |
| Material wire insulation  | PP   |
| Amount wires  | 5  |
| Outer diameter insulation   | 1,85 mm  |
| Outer diameter tolerance core insulation                              | ± 5 %  |
|   | 20 %   |
| Shore hardness wire insulation  | 70 ± 5 Shore D   |
| Shore hardness wire insulation Ingredient freeness wire insulation    |  |
|   | 70 ± 5 Shore D   |
| Ingredient freeness wire insulation                                   | 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  |
| Ingredient freeness wire insulation Printing color of wire insulation | 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free white (isolation black)  |



| 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                   | 8,4 A  |
| Electrical resistance line constant wire          | 26 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                    |
| UV resistance                                     | DIN EN ISO 4892-2 A                                  |
| Flame resistance                                  | UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  |
| 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                                  |
| Travel speed (C-track)                            | 10 Mio. @ 25 °C                                      |
| No. of torsion cycles                             | 2 Mio.   |
| Torsion stress                                    | ± 180 °/m  |
| Torsion speed                                     | 35 cycles/min  |