

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

PUR AWG24+22 shielded vt UL/CSA+drag ch. 3m

DeviceNet, CANopen Male 90° – female 90° M12 – M12, 5-pole

7005 - plastic hexagonal screw (M12 Lite)

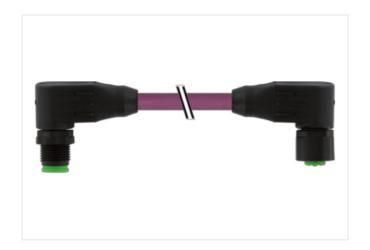
Plastic housings with good resistance against chemicals and oils.

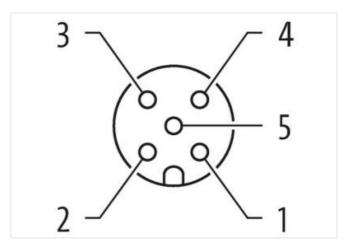
The resistance to aggressive media should be individually tested for your application. Further details on request.

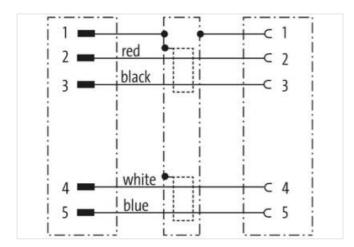
Further cable lengths on request.

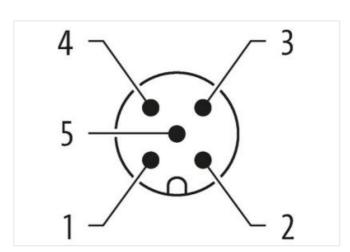
## **Link to Product**

## Illustration



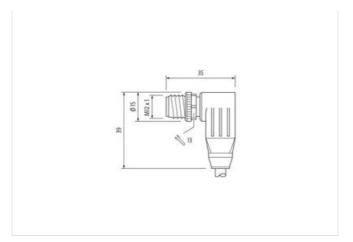


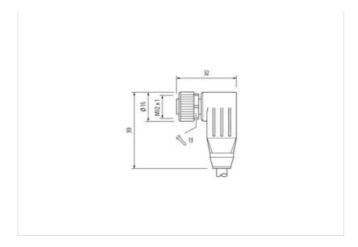






stay connected





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)         IP65, IP67           Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           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-11.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060317           ECLASS-12.0         27060315           customs taff flumber         8544290           GTIN         4048879777803           Packaging unit         1           Electrical data   Supply	Cable length	3 m
Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 x 1           Coding         A           No. of poles         5           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP67           Side 2         Temporary           Side 2         Temporary           Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 x 1           Coding         A           No. of poles         5           Commercial data         ECLASS-6.0           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECIMASS-12.0         27060307           ECIMASS-12.0         27060307           ECIMASS-12.0         27060307           ECIMASS-12.0         27060307           ECIMASS-10.1         4048078777803 <t< td=""><td>Side 1</td><td></td></t<>	Side 1	
Family construction form         M12           Thread         M12 x 1           Coding         A           No. of poles         5           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP67           Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 x 1           Coding         A           No. of poles         5           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECIASS-12.0         27060307           ECTINS.0         EC001855           Cottomact striff number         85444290           GTIN         4048879777803           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V	Tightening torque	0,6 Nm
Thread         M12 x 1           Coding         A           No. of poles         5           Width across flas         SW13           Degree of protection (EN IEC 60529)         IP65, IP67           Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           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         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECIMSS-10         8544290           GTIN         4048879777803           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V	Mounting method	inserted, screwed
Coding         A           No. of poles         5           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP67           Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           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         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECIASS-12.0         ECOM355           Customs tariff number         8544290           GTIN         4048879777803           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V	Family construction form	M12
No. of poles         5           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP67           Side 2           Tightening torque           Mounting method         inserted, screwed           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-9.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-15.0         ECOMO305           ECLASS-10.0         404887977803           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V	Thread	M12 x 1
Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP67           Side 2         Feature of protection (EN IEC 60529)           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           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-9.0         27279218           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         2760307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879777803           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V	Coding	A
Degree of protection (EN IEC 60529)         IP65, IP67           Side 2         Tightening torque         0.6 Nm           Mounting method         inserted, screwed           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         27060307           ECLASS-10.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879777803           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V	No. of poles	5
Side 2           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           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-9.0.1         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879777803           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V	Width across flats	SW13
Tightening torque         0,6 Nm           Mounting method         inserted, screwed           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         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC01855           customs tariff number         85444290           GTIN         4048879777803           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V	Degree of protection (EN IEC 60529)	IP65, IP67
Mounting method         inserted, screwed           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         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879777803           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V	Side 2	
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         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879777803           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V	Tightening torque	0,6 Nm
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-9.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879777803           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V	Mounting method	inserted, screwed
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         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           CTIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879777803           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V	Family construction form	M12
S           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879777803           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V	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         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879777803           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V	Coding	A
ECLASS-6.0 27279218  ECLASS-7.0 27279218  ECLASS-8.0 27279218  ECLASS-9.0 27060311  ECLASS-10.1 27060307  ECLASS-11.1 27060307  ECLASS-12.0 27060307  ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4048879777803  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 60 V	No. of poles	5
ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060307         ECLASS-11.1       27060307         ECLASS-12.0       27060307         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879777803         Packaging unit       1         Electrical data   Supply         Operating voltage AC max.       60 V	Commercial data	
ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060307         ECLASS-11.1       27060307         ECLASS-12.0       27060307         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879777803         Packaging unit       1         Electrical data   Supply         Operating voltage AC max.       60 V	ECLASS-6.0	27279218
ECLASS-9.0       27060311         ECLASS-10.1       27060307         ECLASS-11.1       27060307         ECLASS-12.0       27060307         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879777803         Packaging unit       1         Electrical data   Supply         Operating voltage AC max.       60 V	ECLASS-7.0	27279218
ECLASS-10.1       27060307         ECLASS-12.0       27060307         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879777803         Packaging unit       1         Electrical data   Supply         Operating voltage AC max.       60 V	ECLASS-8.0	27279218
ECLASS-11.1       27060307         ECLASS-12.0       27060307         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879777803         Packaging unit       1         Electrical data   Supply         Operating voltage AC max.       60 V	ECLASS-9.0	27060311
ECLASS-12.0       27060307         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879777803         Packaging unit       1         Electrical data   Supply         Operating voltage AC max.       60 V	ECLASS-10.1	27060307
ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879777803           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V	ECLASS-11.1	27060307
customs tariff number         85444290           GTIN         4048879777803           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V	ECLASS-12.0	27060307
GTIN         4048879777803           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V	ETIM-5.0	EC001855
Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 60 V		85444290
Electrical data   Supply  Operating voltage AC max. 60 V	GTIN	4048879777803
Operating voltage AC max. 60 V	Packaging unit	1
	Electrical data   Supply	
Operating voltage DC max. 60 V	Operating voltage AC max.	60 V
	Operating voltage DC max.	60 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: 2024-05-05



Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Current operating per contact max. 4 A Device protection | Electrical Additional condition protection degree inserted, screwed Pollution Degree Rated surge voltage 1.5 kV Material group (IEC 60664-1) Mechanical data Contour for corrugated hose without Mechanical data | Material data Material housing PUR Locking material PΑ Mechanical data | Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics | Climatic -25 °C Operating temperature min. 85 °C Operating temperature max. 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. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be Note on bending radius endangered by excessive bending forces. Installation | Cable Cable identification 803 Jacket Color violet Type of Certificate cURus Amount stranding Stranding 2 wires twisted Amount stranding (type 2) Stranding (type 2) 2 Stranded joints twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 65 % Banding Foil Drain wire (cross-section) 22 AWG wire arrangement (white, blue), (black, red) Traversing distance (C-track) 5 m Cable weigth 63,12 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) 6,9 mm ±5% Tolerance outer diameter (sheath) Material wire insulation PΕ Amount wires 2 Outer diameter insulation 2,1 mm Outer diameter tolerance core insulation ±5% Shore hardness wire insulation 64 ± 5 Shore D

Ingredient freeness wire insulation

Amount strands (wire)

Diameter of single wires

19

24 AWG

lead-free, CFC-free, halogen-free



Conductor crosssection (wire)	24 AWG
Drain wire (cross-section)	22 AWG
Material conductor wire	copper stranded wire, tinned
Electrical function wire	Data
Material wire insulation (Data)	PE
Outer diameter wire insulation (Data)	1,5 mm
Tolerance outer diameter wire insulation (data)	± 53 %
Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free
Amount wires (Data)	2
Amount strands wire (Data)	19
Diameter of single wires (Data)	22 AWG
Conductor crosssection wire (Data)	22 AWG
Material conductor wire (Data)	copper stranded wire, tinned
Electrical function wire (data)	Power
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Current load capacity min. Wire (Data)	6 A
Electrical function wire	Data
Electrical function wire (data)	Power
Characteristic impedance	120 Ω ± 10 % @ 1 MHz
Electrical resistance line constant wire	78 Ω/km
Electrical resistance coating wire (Data)	54 Ω/km
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electric capacitance	40000 pF/km
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
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	DIN EN 60811-404   Good, application-related testing
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	1 Mio.
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min