

## M12 female 0° B-cod. with cable shielded

PUR AWG24+22 shielded vt UL/CSA+drag ch. 10m

Female straight M12, 4-pole B-coded

shielded

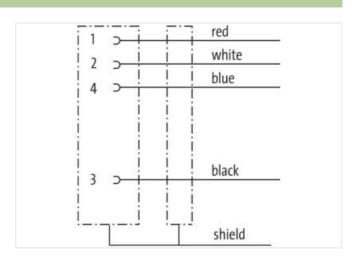
Plastic housings with good resistance against chemicals and oils.

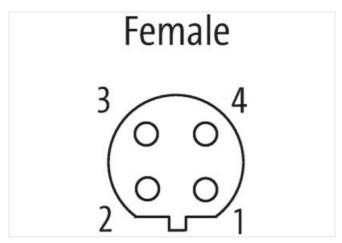
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

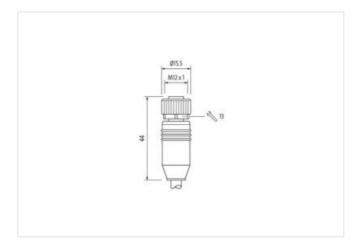
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

10 m

Side 1

Tightening torque 0,6 Nm

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: 2024-04-19



stay	connected
July	COMMICCICA

Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	В
Material	PUR
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879198530
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 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	WILLY
Additional condition protection degree	inserted, screwed
Additional condition protection degree Pollution Degree	3
Additional condition protection degree  Pollution Degree  Rated surge voltage	
Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1)	3
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Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data	3 1,5 kV I
Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose	3 1,5 kV I
Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data  Coating locking  Coating of fitting	3 1,5 kV I without
Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data  Coating locking	3 1,5 kV I without  Nickeled nickel plated Zinc die-casting
Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data  Coating locking  Coating of fitting	3 1,5 kV I without Nickeled nickel plated
Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data Contour for corrugated hose  Mechanical data   Material data  Coating locking  Coating of fitting  Locking material	3 1,5 kV I without  Nickeled nickel plated Zinc die-casting
Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data Contour for corrugated hose Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection	3 1,5 kV I without  Nickeled nickel plated Zinc die-casting
Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data  Coating locking  Coating of fitting  Locking material  Material screw connection  Mechanical data   Mounting data	3 1,5 kV I without  Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data Contour for corrugated hose Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data   Mounting data Mounting method	3 1,5 kV I without  Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data  Coating locking  Coating of fitting  Locking material  Material screw connection  Mechanical data   Mounting data  Mounting method  Environmental characteristics   Climatic	3 1,5 kV I without  Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data Contour for corrugated hose Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection  Mechanical data   Mounting data Mounting method  Environmental characteristics   Climatic Operating temperature min.	3 1,5 kV  I  without  Nickeled nickel plated Zinc die-casting Zinc die-casting  inserted, screwed, Shaking protection
Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data Contour for corrugated hose Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection  Mechanical data   Mounting data Mounting method Environmental characteristics   Climatic Operating temperature min. Operating temperature max.	3 1,5 kV I without  Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection  -25 °C 85 °C
Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data  Coating locking  Coating of fitting  Locking material  Material screw connection  Mechanical data   Mounting data  Mounting method  Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.  Additional condition temperature range	3 1,5 kV I without  Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection  -25 °C 85 °C
Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data Contour for corrugated hose Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data   Mounting data Mounting method Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Conformity	3 1,5 kV I without  Nickeled nickel plated Zinc die-casting Zinc die-casting  inserted, screwed, Shaking protection  -25 °C 85 °C depending on cable quality



## stay connected

Cable identification	803
Jacket Color	violet
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires twisted
Amount stranding (type 2)	1
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)
No. of bending cycles (C-track)	1 Mio.
Cable weigth	63,12 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	
Outer-diameter (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  6.9 mm
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Tolerance outer diameter (sheath)	±5%
Material wire insulation	PE
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	lead-free, CFC-free, halogen-free
Amount strands (wire)	19
Diameter of single wires	24 AWG
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
Traversing distance (C-track)	5 m
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
Nominal voltage power AC max.	300 V
Electric capacitance (power)	40000 pF/km
AC withstand voltage power (wire - shield)	2 kV @ 60 s



AC withstand voltage power (wire - wire)	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
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 30 °/m