

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

PUR AWG24+22 shielded vt UL/CSA+drag ch. 1.5m

Female straight M12, 4-pole

B-coded

shielded

Plastic housings with good resistance against chemicals and oils.

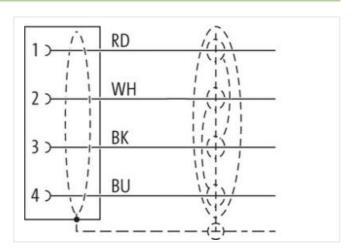
The resistance to aggressive media should be individually tested for your application. Further details on request.

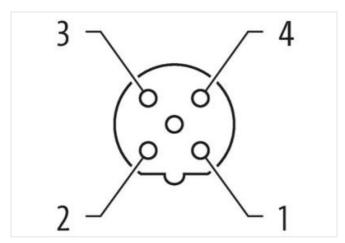
Further cable lengths on request.

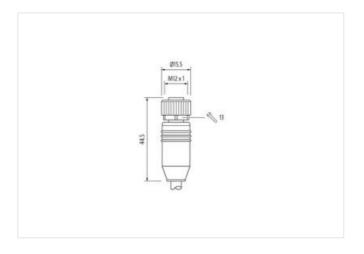
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

1,5 m

Side 1

Tightening torque

0,6 Nm



stay connected

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	4048879552875
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	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data	
Contour for corrugated hose	without
Mechanical data   Material data	
Coating locking	Nickeled
Coating locking Coating of fitting	Nickeled nickel plated
Coating of fitting	nickel plated
Coating of fitting	
Coating of fitting Locking material Material screw connection	nickel plated Zinc die-casting
Coating of fitting Locking material Material screw connection  Mechanical data   Mounting data	nickel plated Zinc die-casting
Coating of fitting Locking material Material screw connection	nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Coating of fitting Locking material Material screw connection  Mechanical data   Mounting data  Mounting method  Environmental characteristics   Climatic	nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Coating of fitting Locking material Material screw connection  Mechanical data   Mounting data  Mounting method  Environmental characteristics   Climatic Operating temperature min.	nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Coating of fitting Locking material Material screw connection  Mechanical data   Mounting data  Mounting method  Environmental characteristics   Climatic Operating temperature min.  Operating temperature max.	nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection  c -25 °C 85 °C
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	nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection c -25 °C
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 Important installation notes	nickel plated  Zinc die-casting  Zinc die-casting  inserted, screwed, Shaking protection  c  -25 °C  85 °C  depending on cable quality
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	nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection  c -25 °C 85 °C

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



stay connected

Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
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)
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
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
	24 AWG
Conductor crosssection (wire)	24 AWG
Conductor crosssection (wire)  Drain wire (cross-section)	
· , ,	24 AWG
Drain wire (cross-section)	24 AWG 22 AWG
Drain wire (cross-section)  Material conductor wire	24 AWG 22 AWG copper stranded wire, tinned
Drain wire (cross-section)  Material conductor wire  Electrical function wire  Material wire insulation (Data)	24 AWG 22 AWG copper stranded wire, tinned Data
Drain wire (cross-section)  Material conductor wire  Electrical function wire	24 AWG 22 AWG copper stranded wire, tinned Data PE 1,5 mm
Drain wire (cross-section)  Material conductor wire  Electrical function wire  Material wire insulation (Data)  Outer diameter wire insulation (Data)  Tolerance outer diameter wire insulation (data)	24 AWG 22 AWG copper stranded wire, tinned Data PE 1,5 mm ± 53 %
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Drain wire (cross-section)  Material conductor wire  Electrical function wire  Material wire insulation (Data)  Outer diameter wire insulation (Data)  Tolerance outer diameter wire insulation (data)  Ingredient freeness wire insulation (Data)  Amount wires (Data)  Amount strands wire (Data)  Diameter of single wires (Data)  Conductor crosssection wire (Data)  Material conductor wire (Data)  Electrical function wire (data)  Nominal voltage AC max.	24 AWG 22 AWG copper stranded wire, tinned  Data  PE  1,5 mm  ± 53 % lead-free, CFC-free, halogen-free  2  19  22 AWG 22 AWG 22 AWG copper stranded wire, tinned  Power  300 V
Drain wire (cross-section)  Material conductor wire  Electrical function wire  Material wire insulation (Data)  Outer diameter wire insulation (Data)  Tolerance outer diameter wire insulation (Data)  Ingredient freeness wire insulation (Data)  Amount wires (Data)  Amount strands wire (Data)  Diameter of single wires (Data)  Conductor crosssection wire (Data)  Material conductor wire (Data)  Electrical function wire (data)  Nominal voltage AC max.  Current load capacity (standard)	24 AWG 22 AWG copper stranded wire, tinned Data PE 1,5 mm ± 53 % lead-free, CFC-free, halogen-free 2 19 22 AWG 22 AWG 22 AWG 20 AWG 20 AWG 20 AWG 20 AWG 20 AWG 20 AWG 21 AWG 22 AWG 23 AWG 24 AWG 25 AWG 26 AWG 27 AWG 28 AWG 29 AWG 20 AWG 20 AWG 20 AWG 20 AWG 20 AWG 21 AWG 22 AWG 23 AWG 24 AWG 25 AWG 26 AWG 27 AWG 28 AWG 29 AWG 20
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Drain wire (cross-section)  Material conductor wire  Electrical function wire  Material wire insulation (Data)  Outer diameter wire insulation (Data)  Tolerance outer diameter wire insulation (Data)  Ingredient freeness wire insulation (Data)  Amount wires (Data)  Amount strands wire (Data)  Diameter of single wires (Data)  Conductor crosssection wire (Data)  Material conductor wire (Data)  Electrical function wire (data)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Current load capacity min. Wire (Data)	24 AWG 22 AWG copper stranded wire, tinned Data PE 1,5 mm ± 53 % lead-free, CFC-free, halogen-free 2 19 22 AWG 22 AWG 22 AWG copper stranded wire, tinned Power 300 V to DIN VDE 0298-4 4,5 A 6 A
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Drain wire (cross-section)  Material conductor wire  Electrical function wire  Material wire insulation (Data)  Outer diameter wire insulation (Data)  Tolerance outer diameter wire insulation (Data)  Ingredient freeness wire insulation (Data)  Amount wires (Data)  Amount strands wire (Data)  Diameter of single wires (Data)  Conductor crosssection wire (Data)  Electrical function wire (data)  Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  Current load capacity min. Wire (Data)  Electrical function wire (data)  Electrical function wire (Data)	24 AWG 22 AWG copper stranded wire, tinned Data PE 1,5 mm ± 53 % lead-free, CFC-free, halogen-free 2 19 22 AWG 22 AWG 22 AWG copper stranded wire, tinned Power 300 V to DIN VDE 0298-4 4,5 A 6 A Data Power



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