

M12 male 0° A-cod. with cable shielded

PUR 4x0.34 shielded bk UL/CSA 0.5m

Male straight M12, 4-pole A-coded shielded

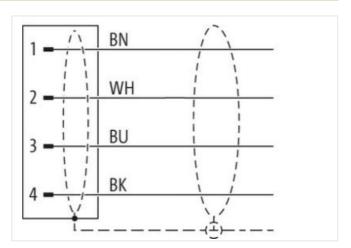
Plastic housings with good resistance against chemicals and oils.

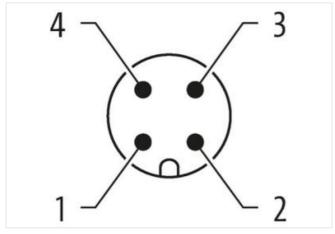
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

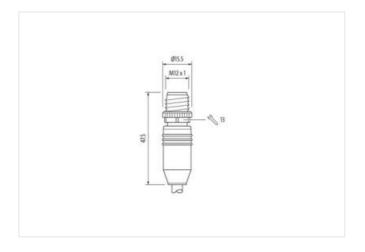
Link to Product

Illustration









Product may differ from Image













Cable length

0,5 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: 2024-05-14



Mounting method	inserted, screwed	
Coating contact	gold plated	
amily construction form	M12	
hread	M12 x 1	
Coding	A	
Material contact	Copper alloy	
Material	PUR	
lo. of poles	4	
Vidth across flats	SW13	
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67	
Side 2		
Stripping length (jacket)	20 mm	
Coating contact	gold plated	
Commercial data		
CLASS-6.0	27279218	
CLASS-6.1	27279218	
CLASS-7.0	27279218	
CLASS-8.0	27279218	
CLASS-9.0	27060311	
CLASS-10.1	27060311	
CLASS-11.1	27060311	
CLASS-12.0	27060311	
TIM-5.0	EC001855	
ustoms tariff number	85444290	
GTIN	4065909092248	
ackaging 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	
	7/1	
Diagnostics		
status indication LED	no	
Installation Connection		
stripping length (jacket)	20 mm	
founting 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)	1,5 AV	
Mochanical data Motorial data		
Mechanical data Material data	NP - L - J	
Coating locking	Nickeled	
Coating locking Coating of fitting	nickel plated	
Coating locking		

Mounting method

Environmental characteristics | Climatic

inserted, screwed, Shaking protection



stay connected

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	641
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	80 %
Banding	Fleece, Foil
wire arrangement	brown, black, blue, white
Traversing distance (C-track)	5 m @ 25 °C horizontal
Cable weigth	50,6 g/m
Material jacket	PUR
	90 ± 5 Shore A
Shore hardness jacket Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	5,3 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
	4
Amount wires Outer diameter insulation	1,25 mm
	±5%
Outer diameter tolerance core insulation Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
<u> </u>	
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm²
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	4,8 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - acket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 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	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
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)	5 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min