

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

PUR 5x0.34 shielded bk UL/CSA+drag ch. 1m

M12, 5-pole Female straight shielded

with cable sleeves

Plastic housings with good resistance against chemicals and oils.

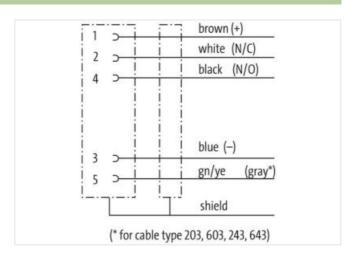
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

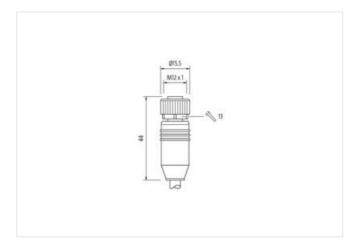
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

1 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: 2024-05-17



stay connected

Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Cable outlet	straight
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	11 00, 11 0013, 11 07
	00
Stripping length (jacket)	20 mm
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	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	4048879508070
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	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Gender	female
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data	
Contour for corrugated hose	without
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climati	С
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality

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mportant installation notes	
ote on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
ote on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
roduct standard	DIN EN 61076-2-101 (M12)
nstallation   Cable	
	040
able identification	643
able Type	3
acket Color	black
ype of Certificate	cURus
mount stranding	1
tranding	5 wires around Core filler twisted
able shielding (type)	copper braid, tinned
able shielding (coverage)	80 %
anding	Fleece, Foil
iller	yes
ire arrangement	brown, black, blue, white, gray
able weigth	57,2 g/m
laterial jacket	PUR
hore hardness jacket	90 ± 5 Shore A
reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
uter-diameter (jacket)	5,6 mm
olerance outer diameter (sheath)	± 5 %
laterial wire insulation	PP
mount wires	5
uter diameter insulation	1,25 mm
uter diameter tolerance core insulation	± 5 %
hore hardness wire insulation	70 ± 5 Shore D
gredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
mount strands (wire)	42
iameter of single wires	0,1 mm
onductor crosssection (wire)	0,34 mm <sup>2</sup>
aterial conductor wire	Stranded copper wire, bare
onductor type (wire)	strand class 6
raversing distance (C-track)	5 m @ 25 °C   horizontal
ominal voltage AC max.	300 V
urrent load capacity (standard)	to DIN VDE 0298-4
urrent load capacity min. wire	4,5 A
ectrical resistance line constant wire	57 Ω/km @ 20 °C
C withstand voltage (wire - wire)	2 kV @ 60 s
ower frequency withstand voltage (wire - cket)	2 kV @ 60 s
C withstand voltage (wire - shield)	2 kV @ 60 s
in. operating temperature (static)	-40 °C
ax. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
perating temperature min. (dynamic)	-25 °C
perating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
V resistance	DIN EN ISO 4892-2 A
lame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
nemical resistance	Good, application-related testing
asoline resistance	Good, application-related testing
il 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