

M12 female 0° A-cod. with cable shielded

PUR 5x0.34 shielded gy UL/CSA+drag ch. 8m

M12, 5-pole Female straight shielded

with cable sleeves

Plastic housings with good resistance against chemicals and oils.

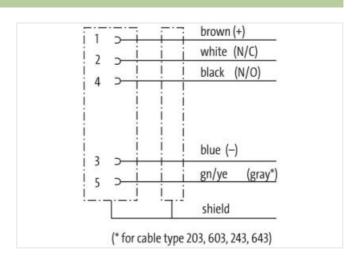
The resistance to aggressive media should be individually tested for your application. Further details on request.

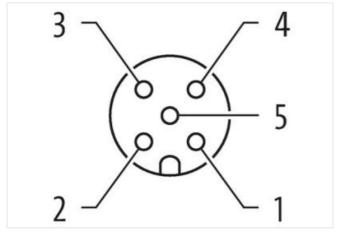
Further cable lengths on request.

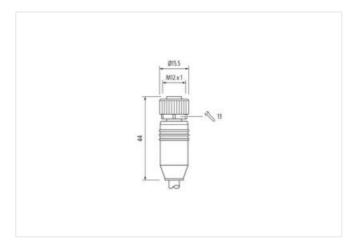
Link to Product

Illustration









Product may differ from Image













Cable length

8 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: 2024-04-30



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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	55, 55, 5.
Stripping length (jacket)	20 mm
Commercial data	
ECLASS-6.0	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	4048879785617
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	···· y
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C 85 °C
Operating temperature max.	
Additional condition temperature range	depending on cable quality
Important installation notes	



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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	
roduct standard	DIN EN 61076-2-101 (M12)
Installation Cable	
cable identification	242
Cable Type	3
acket Color	
ype of Certificate	gray cURus
mount stranding	1
tranding	5 wires around Core filler twisted
cable shielding (type) cable shielding (coverage)	copper braid, tinned
	80 %
anding	Fleece, Foil
iller	yes
ire arrangement	brown, black, blue, white, green-yellow
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
outer-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
ngredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
mount strands (wire)	42
liameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm ²
faterial conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
raversing distance (C-track)	5 m @ 25 °C horizontal
current load capacity (standard)	to DIN VDE 0298-4
urrent load capacity min. wire	4,5 A
lectrical resistance line constant wire	57 Ω/km @ 20 °C
ominal voltage power AC max.	300 V
C withstand voltage power (wire - shield)	2 kV @ 60 s
ower frequency withstand voltage power vire - jacket)	2 kV @ 60 s
C withstand voltage power (wire - wire)	2 kV @ 60 s
lin. operating temperature (static)	-40 °C
lax. 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
lame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
hemical resistance	Good, application-related testing
asoline resistance	Good, application-related testing
Dil resistance	Good, application-related testing DIN EN 60811-404
lo. of bending cycles (C-track)	5 Mio. @ 25 °C
ending radius (fixed)	5 x Outer diameter
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No. of torsion cycles	2 Mio.	
Torsion speed	35 cycles/min	
Torsion stress	± 30 °/m	