

M12 male 90° A-cod. with cable shielded

PUR 5x0.34 shielded gy UL/CSA+drag ch. 2m

Male 90° M12, 5-pole shielded A-coded

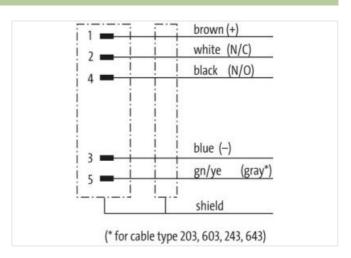
Plastic housings with good resistance against chemicals and oils.

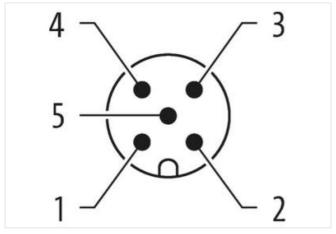
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

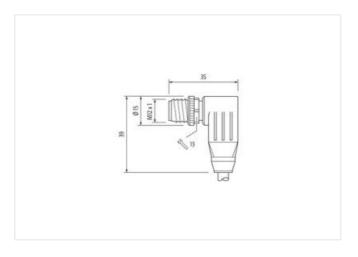
Link to Product

Illustration









Product may differ from Image













Cable length

2 m

Side 1

Tightening torque

0,6 Nm



stay connected

Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Coating contact	gold plated
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	4065909009475
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)	I
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 Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
installation Cable	



stay connected

Jacket Color gray	Cable identification	243
Type of Cartificate Amount stranding 1 Swires around Core filler twisted Cable shelding (goverage) Solida shelding shelding (goverage) Solida shelding sheld	Cable Type	3
Type of Certificate current standing 1 Amount standing 1 Swires around Core filter twisted Cable shelding (type) copper Braid, finned Cable shelding (type) seys common standing filter swires around Core filter twisted Cable shelding (coverage) 80 % Banding Fleece, Foil Filter yes Wes were arrangement brown, back, blue, white, gray No. of bending cyclus (C-track) 5 Mile, @ 25 °G Cable weight 57.2 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Tolerande unter diameter (alketr) 5.8 mm Tolerande unter diameter (alketr) 5.8 mm Tolerande unter diameter (alketr) 5.5 mm Material wire insulation PP Amount wires Duter diameter insulation PP Amount wires Duter diameter insulation 1,25 mm Outer	Jacket Color	gray
Stranding	Type of Certificate	
Cable shielding (type) copper braid, threed Gable shielding (coverage) 80 % Bandring Fleer, Foll Filler yes wire arrangement brown, black, blue, white, gray No. of bending cycles (C-track) 5 Mo. @ 25 °C Cable weight 57.2 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freadom from ingredients (jacket) 10 ± 5 Shore A User-diameter (jacket) 5.5 Fmm Tolerance outer diameter (jacket) 5 5 % Material wire insulation PP Amount wires 5 Outer diameter forteance core insulation 12.5 mm Outer diameter forteance core insulation 10 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 Shore D Amount strands (wire) 42 Dameter of single wires 0, 1 mm Conductor creassection (wire) 0, 34 mm² Material conductor wire Sinded copper wire, bare Conductor type (wire) strand class 6	Amount stranding	1
Sandring	Stranding	5 wires around Core filler twisted
Sandring		copper braid, tinned
Banding Fleece, Foli Filler yes wire arrangement brown, black, blue, while, gray No. of bendring cycles (C-track) 5 Mio. @ 25 °C Cable weigh 57.2 g/m Material jacket PUR Material jacket 90 5 S Shore A Shore hardness jacket 90 5 S Shore A Shore hardness jacket 90 5 S Shore A Cuter-diameter (jacket) 5,6 mm Tolerance outer diameter (esheath) 15 % Material wire insulation PP Amount wires 5 Cuter diameter insulation PP Amount wires 5 Cuter diameter insulation 12,5 mm Outer diameter insulation 15 Shore D Ingredient freeness wire insulation 16 dead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount attracts (wire) 42 Diameter of single wires 0,1 mm Material vice insulation 10,1 mm Conductor type (wire) 5tranded copper wire, bare Conductor wire Cot Acak 5 m @ 25 °C) Inorizontal Current load capacity (standard) 10 DIN VDE 0298-4 Current load capacity (standard) 10 DIN VDE 0298-4 Current load capacity (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 90 °C (90 °C @ 10000 h Operation Cperating temperature min. (dynamic) 15 °C Operating temperature min. (dynamic) 16 °C Operating lemperature min. (dynam		
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Power frequency withstand voltage power (wire - jacket) AC withstand voltage power (wire - wire) 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 Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed		
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Min. operating temperature (static) 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 Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed	(wire - jacket)	
Max. operating temperature (fixed) Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) EC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 35 cycles/min		
Operating temperature min. (dynamic) Operating temperature max. (dynamic) So °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Flame resistance Good, application-related testing Oil resistance Flame resistance Good, application-related testing Oil resistance Flame resistance		
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Max. operating temperature (fixed)	<u>`</u>
Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Operating temperature min. (dynamic)	
Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Operating temperature max. (dynamic)	
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Oil resistance	Good, application-related testing DIN EN 60811-404
No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Bending radius (fixed)	5 x Outer diameter
Torsion speed 35 cycles/min	Bending radius (dynamic)	10 x Outer diameter
	No. of torsion cycles	2 Mio.
Torsion stress ± 30 °/m	Torsion speed	35 cycles/min
	Torsion stress	± 30 °/m