

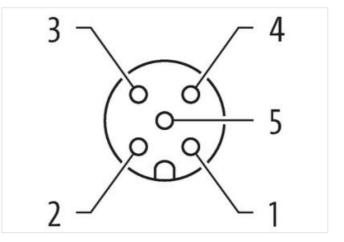
M12 male 90° / M12 female 0° A-cod. shielded

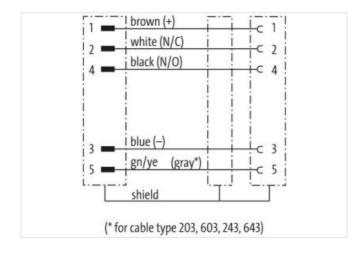
PUR 5x0.34 shielded bk UL/CSA+drag ch. 5.5m

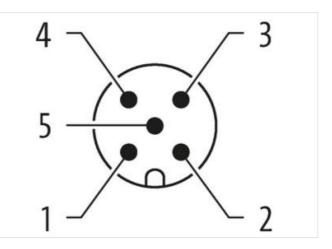
Male 90° – female straight M12 – M12, 5-pole shielded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product









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Product may differ from Image



Cable length Side 1 Tightening torque	5,5 m 0,6 Nm inserted, screwed
	•
Tightening torque	•
	inserted screwed
Mounting method	montou, solowou
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
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	4065909053775
Packaging unit	1
Electrical data Supply	

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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
Aaterial group (IEC 60664-1)	
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
ocking material	Zinc die-casting
Aaterial screw connection	Zinc die-casting
Mechanical data Mounting data	
Nounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Derating temperature min.	-25 °C
	-25 C 85 °C
Operating temperature max.	
Additional condition temperature range	depending on cable quality
Important installation notes	
lote 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.
-	
Installation Cable	
Installation Cable	endangered by excessive bending forces.
Installation Cable Cable identification Cable Type	endangered by excessive bending forces. 642
Installation Cable Cable identification Cable Type lacket Color	endangered by excessive bending forces. 642 3
Installation Cable Cable identification Cable Type lacket Color Type of Certificate	endangered by excessive bending forces. 642 3 black
Installation Cable Cable identification Cable Type acket Color Type of Certificate Amount stranding	endangered by excessive bending forces. 642 3 black cURus
Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding	endangered by excessive bending forces. 642 3 black cURus 1
Installation Cable Cable identification Cable Type lacket Color Type of Certificate Amount stranding Stranding Cable shielding (type)	endangered by excessive bending forces. 642 3 black cURus 1 5 wires around Core filler twisted
Installation Cable Cable identification Cable Type acket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage)	endangered by excessive bending forces. 642 3 black cURus 1 5 wires around Core filler twisted copper braid, tinned
Installation Cable Cable identification Cable Type acket Color Type of Certificate mount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding	endangered by excessive bending forces. 642 3 black cURus 1 5 wires around Core filler twisted copper braid, tinned 80 %
Installation Cable Cable identification Cable Type acket Color Type of Certificate amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Standing Standing	endangered by excessive bending forces. 642 3 black cURus 1 5 wires around Core filler twisted copper braid, tinned 80 % Fleece, Foil
Installation Cable Cable identification Cable Type acket Color Type of Certificate amount stranding Cable shielding (type) Cable shielding (coverage) Cable shielding (intermediate coverage) Cable shielding (coverage) Cable shielding (coverage) Cable shielding (coverage)	endangered by excessive bending forces. 642 3 black cURus 1 5 wires around Core filler twisted copper braid, tinned 80 % Fleece, Foil yes
Installation Cable Cable identification Cable Type lacket Color Type of Certificate Amount stranding Cable shielding (type) Cable shielding (coverage) Cable shielding (coverage) Banding Filler vire arrangement Cable weigth	endangered by excessive bending forces. 642 3 black cURus 1 5 wires around Core filler twisted copper braid, tinned 80 % Fleece, Foil yes brown, black, blue, white, green-yellow
Installation Cable Cable identification Cable Type acket Color Type of Certificate Amount stranding Cable shielding (type) Cable shielding (coverage) Cable shielding (coverage) Banding Cable shielding (coverage) Cable shielding (coverage)	endangered by excessive bending forces. 642 3 black cURus 1 5 wires around Core filler twisted copper braid, tinned 80 % Fleece, Foil yes brown, black, blue, white, green-yellow 57,2 g/m
Installation Cable Cable identification Cable Type acket Color Type of Certificate Amount stranding Cable shielding (type) Cable shielding (coverage) Banding Filler Vire arrangement Cable weigth Material jacket Shore hardness jacket	endangered by excessive bending forces. 642 3 black cURus 1 5 wires around Core filler twisted copper braid, tinned 80 % Fleece, Foil yes brown, black, blue, white, green-yellow 57,2 g/m PUR
Installation Cable Cable identification Cable Type acket Color Type of Certificate amount stranding Cable shielding (type) Cable shielding (coverage) Cable shielding (coverage) Cabl	endangered by excessive bending forces. 642 3 black cURus 1 5 wires around Core filler twisted copper braid, tinned 80 % Fleece, Foil yes brown, black, blue, white, green-yellow 57,2 g/m PUR 90 ± 5 Shore A
Installation Cable Cable identification Cable Type acket Color Type of Certificate amount stranding Cable shielding (type) Cable shielding (coverage) Cable weigth Cable weigth Cable weigth Cable weigth Cable weigth Cable weigth Cable weigth Cable shielding (coverage) Cable shielding (coverage) Cable weigth Cable w	endangered by excessive bending forces. 642 3 black cURus 1 5 wires around Core filler twisted copper braid, tinned 80 % Fleece, Foil yes brown, black, blue, white, green-yellow 57,2 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Installation Cable Cable identification Cable Type acket Color Type of Certificate Amount stranding Cable shielding (type) Cable shielding (coverage) Cable weigth Cable weigth Cab	endangered by excessive bending forces. 642 3 black cURus 1 5 wires around Core filler twisted copper braid, tinned 80 % Fleece, Foil yes brown, black, blue, white, green-yellow 57,2 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,6 mm
Installation Cable Cable identification Cable Type Cable identification Cable Type Cable color Type of Certificate Camount stranding Cable shielding (type) Cable shielding (coverage) Cable shielding (coverage) Cable shielding Cable shielding Cable weigth Cable weigth Caterial jacket Cable weigth Caterial wire insulation Caterial wi	endangered by excessive bending forces. 642 3 black cURus 1 5 wires around Core filler twisted copper braid, tinned 80 % Fleece, Foil yes brown, black, blue, white, green-yellow 57,2 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,6 mm ± 5 %
Installation Cable Cable identification Cable Type Cable identification Cable Type Cable Color Type of Certificate Camount stranding Cable shielding (type) Cable shielding (coverage) Cable shielding (coverage) Cable shielding (coverage) Cable shielding Cable weigth Cable weig	endangered by excessive bending forces. 642 3 black cURus 1 5 wires around Core filler twisted copper braid, tinned 80 % Fleece, Foil yes brown, black, blue, white, green-yellow 57,2 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,6 mm ± 5 % PP
Installation Cable Cable identification Cable Type Cable Type Cacket Color Type of Certificate Amount stranding Cable shielding (type) Cable shielding (coverage) Banding Filler vire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Material wire insulation Amount wires Duter diameter insulation	endangered by excessive bending forces. 642 3 black cURus 1 5 wires around Core filler twisted copper braid, tinned 80 % Fleece, Foil yes brown, black, blue, white, green-yellow 57,2 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,6 mm ± 5 % PP 5
Installation Cable Cable identification Cable Type lacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler Vire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Colerance outer diameter (sheath) Material wire insulation Amount wires Duter diameter insulation Duter diameter tolerance core insulation	endangered by excessive bending forces. 642 3 black cURus 1 5 wires around Core filler twisted copper braid, tinned 80 % Fleece, Foil yes brown, black, blue, white, green-yellow 57,2 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,6 mm ± 5 % PP 5 1,25 mm
Note on bending radius Installation Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Cable tree insulation Duter diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Ingredient freeness wire insulation	endangered by excessive bending forces. 642 3 black cURus 1 5 wires around Core filler twisted copper braid, tinned 80 % Fleece, Foil yes brown, black, blue, white, green-yellow 57,2 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,6 mm ± 5 % PP 5 1,25 mm ± 5 %

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Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	5 m @ 25 °C horizontal
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 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 - jacket)	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	UL 1581 § 1090 IEC 60332-2-2 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

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