

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

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

Male 90° – female 90° M12 – M12, 5-pole shielded

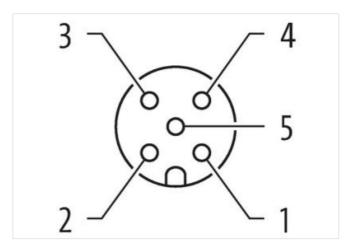
Plastic housings with good resistance against chemicals and oils.

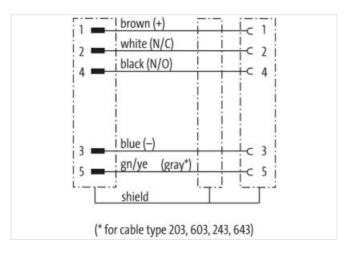
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

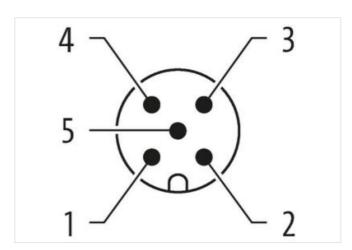
Link to Product

Illustration



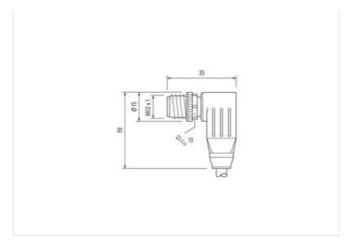


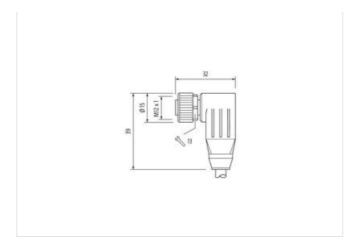






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Product may differ from Image













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 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 dat PUR ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 2760311 ECLASS-10.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 Countsms tariff number 85444290 GTIN 4048879719131	Cable length	1 m
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customs tariff number 85444290 GTIN 4048879719131	ECLASS-12.0	27060311
GTIN 4048879719131	ETIM-5.0	EC001855
	customs tariff number	85444290
Packaging unit 1	GTIN	4048879719131
	Packaging unit	1
Electrical data Supply	Electrical data Supply	



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Spenating voltage DC max. 60 V		
Spensting voltage AC (UL-listed) 30 V	Operating voltage AC max.	60 V
December Section 190 1	Operating voltage DC max.	60 V
Installation Connection C	Operating voltage AC (UL-listed)	30 V
Installation Connection Mountage pet Mil2 x 1	Operating voltage DC (UL-listed)	30 V
Device protection Electrical ***Control Electrical **Control Electrica	Current operating per contact max.	4 A
Device protection Electrical Additional sondition protection degree inserted, screwed Additional sondition protection degree 3 Attential group (IEC 60664-1) 1 Mechanical data Material data Coating of Inting nickel plated Coating of Inting nickel plated Coating of Inting Zinc die-casting Mechanical data Mounting data Vocanting method Zinc die-casting Mechanical data Mounting data Vocanting method Inting 25 °C Devaring temperature min. -25 °C Devaring temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Volo on staria relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tees. Attention: Cheseve the permissible bending radii when laying cables, as the IP protection class can be endangement by excessive bending forces. Conformity View carrangement DIN EN 61076-2-101 (M12) Installation Cable View carrangement Drown, black, blue, white, gray Zable Type 3 Radest Color gray Label schildring (type) copper braid, tinned Zable schildring (type)	Installation Connection	
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Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. 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 Wire arrangement brown, black, blue, white, gray Cable identification 243 Cable identification (Certificate current) Corporation of Certificate current of Sirves around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Sanding Fleece, Foil Calle weight 57,2 g/m Material jacket PUR Shore hardness jacket 190 5,6 mm Folerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount strie insulation 1,25 mm	Operating temperature min.	-25 °C
Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. 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 wire arrangement brown, black, blue, white, gray Zable identification 243 Zable Type 3 Zable Type 3 Zable Color gray Type of Certificate cURus Amount stranding 1 Stranding 5 wires around Core filler twisted Zable shielding (type) Zable shielding (coverage) 80 % Banding Fleece, Foil Filler yes wire arrangement brown, black, blue, white, gray Zable wire arrangement brown, black, blue, white, gray Zable shielding (coverage) 80 % Banding Fleece, Foil Waterial jacket PUR Shore hardness jacket 90±5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) 5,6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Duter diameter insulation 1,25 mm	Operating temperature max.	85 °C
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. 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 Wire arrangement Direction 243 Cable identification 243 Cable identifica	Additional condition temperature range	depending on cable quality
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Product standard DIN EN 61076-2-101 (M12) Installation Cable Wire arrangement brown, black, blue, white, gray Cable identification 243 Cable Type 3 Jacket Color gray Cype of Certificate cURus Amount stranding 1 Stardning 5 wires around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fleece, Foil Filler yes Wire arrangement brown, black, blue, white, gray Cable weigth 57,2 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) ead-free, cadmium-free, CFC-free, halogen-free, silicone-free Camber outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Couter diameter insulation 1,25 mm	Note on bending radius	
Installation Cable wire arrangement brown, black, blue, white, gray 243 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 5 wires around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fleece, Foil Filler yes wire arrangement brown, black, blue, white, gray Cable weigth 57,2 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 196 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Duter diameter insulation 1,25 mm	Conformity	
brown, black, blue, white, gray 243 Cable identification 243 Cable Type 3 Cable Type 3 Cable Type of Certificate cURus Amount stranding 1 Stranding 5 wires around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Sanding Fleece, Foil Filler yes wire arrangement brown, black, blue, white, gray Cable weigth 57,2 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free Material wire insulation PP Amount wires 5 Cuter diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Cuter diameter insulation 1,25 mm	Product standard	DIN EN 61076-2-101 (M12)
Cable identification 243 Cable Type 3 Cable Type 3 Cable Type of Certificate cURus Amount stranding 1 Stranding 5 wires around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fleece, Foil Filler yes wire arrangement brown, black, blue, white, gray Cable weigth 57,2 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) 5,6 mm Folerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Duter diameter insulation 1,25 mm	Installation Cable	
Cable identification 243 Cable Type 3 Cable Type 3 Cable Type of Certificate cURus Amount stranding 1 Stranding 5 wires around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fleece, Foil Filler yes wire arrangement brown, black, blue, white, gray Cable weigth 57,2 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) 5,6 mm Folerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Duter diameter insulation 1,25 mm	wire arrangement	brown, black, blue, white, gray
Armount stranding 1 Stranding 5 wires around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Sanding Fleece, Foil Siller yes wire arrangement brown, black, blue, white, gray Cable weigth 57,2 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Cuter-diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Cuter diameter insulation 1,25 mm	Cable identification	
Armount stranding 1 Stranding 5 wires around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Sanding Fleece, Foil Siller yes wire arrangement brown, black, blue, white, gray Cable weigth 57,2 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Cuter-diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Cuter diameter insulation 1,25 mm	Cable Type	3
Type of Certificate cURus Amount stranding 1 Stranding 5 wires around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fleece, Foil Filler yes wire arrangement brown, black, blue, white, gray Cable weigth 57,2 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) 5,6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Duter diameter insulation 1,25 mm	Jacket Color	gray
Amount stranding 1 Stranding 5 wires around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Sanding Fleece, Foil Filler yes wire arrangement brown, black, blue, white, gray Cable weigth 57,2 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) 5,6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Duter diameter insulation 1,25 mm	Type of Certificate	- ·
Cable shielding (type) Cable shielding (coverage) 80 % Banding Fleece, Foil Filler yes wire arrangement brown, black, blue, white, gray Cable weigth 57,2 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Duter diameter insulation 1,25 mm	Amount stranding	1
Cable shielding (coverage) 80 % Banding Fleece, Foil Filler yes wire arrangement brown, black, blue, white, gray Cable weigth 57,2 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,6 mm Folerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 1,25 mm	Stranding	5 wires around Core filler twisted
Fleece, Foil yes wire arrangement brown, black, blue, white, gray Cable weigth 57,2 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,6 mm Folerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 1,25 mm	Cable shielding (type)	copper braid, tinned
yes wire arrangement brown, black, blue, white, gray Cable weigth 57,2 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 5,6 mm Folerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 1,25 mm	Cable shielding (coverage)	80 %
wire arrangement brown, black, blue, white, gray 57,2 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 5,6 mm Folerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 1,25 mm	Banding	Fleece, Foil
Cable weigth 57,2 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Sulicone-free Outer-diameter (jacket) 5,6 mm Folerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 1,25 mm	Filler	yes
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) Folerance outer diameter (sheath) 4 5 % Material wire insulation PP Amount wires 5 Duter diameter insulation 1,25 mm	wire arrangement	brown, black, blue, white, gray
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) 5,6 mm Folerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Duter diameter insulation 1,25 mm	Cable weigth	57,2 g/m
Freedom from ingredients (jacket) Duter-diameter (jacket) 5,6 mm Folerance outer diameter (sheath) Amount wires 5 Duter diameter insulation PP Anount wires 5 Duter diameter insulation 1,25 mm	Material jacket	PUR
Outer-diameter (jacket) 5,6 mm Folerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 1,25 mm	Shore hardness jacket	90 ± 5 Shore A
Folerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 1,25 mm	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 5 Duter diameter insulation 1,25 mm	Outer-diameter (jacket)	5,6 mm
Amount wires 5 Duter diameter insulation 1,25 mm	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation 1,25 mm	Material wire insulation	PP
	Amount wires	5
Outer diameter tolerance core insulation ± 5 %	Outer diameter insulation	1,25 mm
	Outer diameter tolerance core insulation	±5%



Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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	4,5 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
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 bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min