

## M12 male 0° / M8 female 90° A-cod.

PUR 4x0.25 gy UL/CSA+drag ch. 0.6m

Male straight - female 90°

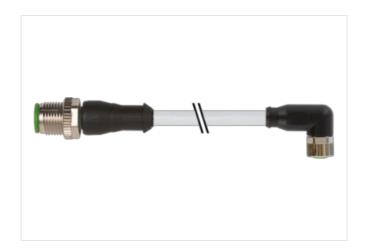
M12 - M8, 4-pole

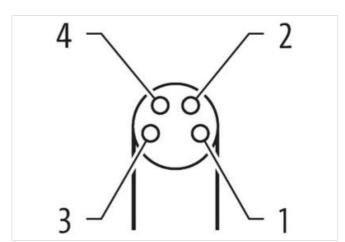
Plastic housings with good resistance against chemicals and oils.

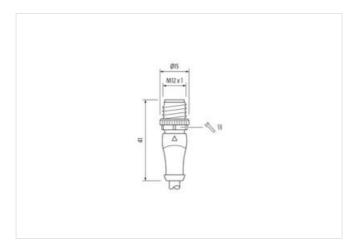
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## **Link to Product**

## Illustration





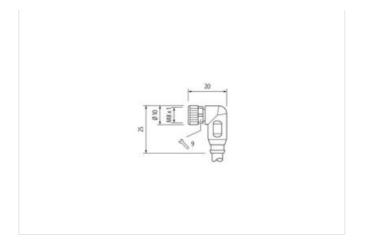






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Cable length	0,6 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Cable outlet	straight
Coding	A
Material	PUR
No. of poles	4
Width across flats	SW13
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Cable outlet	angled
Coding	A
Material	PUR
No. of poles	4
Width across flats	SW9
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

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customs tariff number	85444290
GTIN	4048879160452
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	50 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
Device protection   Electrical	
•	IDEE IDEE IDEEN
Degree of protection (EN IEC 60529)	IP65, IP67, IP66K
Additional condition protection degree	inserted, screwed 3
Pollution Degree	
Rated surge voltage  Material group (IEC 60664-1)	1,5 kV
	'
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Color housing	black
Color contact carrier	green
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
Important installation notes	
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.
	g
Conformity	
Conformity Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Product standard	
Product standard  Installation   Cable	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Product standard  Installation   Cable  Cable identification	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Product standard  Installation   Cable  Cable identification  Cable Type	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231 3
Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231  3  gray
Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231  3  gray cURus
Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231  3  gray  cURus  1
Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231  3  gray  cURus  1  4 wires twisted
Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231  3  gray  cURus  1  4 wires twisted  brown, black, blue, white
Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Traversing distance (C-track)	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231  3  gray  cURus  1  4 wires twisted  brown, black, blue, white  10 m @ 25 °C   horizontal
Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Traversing distance (C-track)  Cable weigth	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231  3  gray  cURus  1  4 wires twisted  brown, black, blue, white  10 m @ 25 °C   horizontal  33 g/m
Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Traversing distance (C-track)  Cable weigth  Material jacket	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 m @ 25 °C   horizontal 33 g/m PUR
Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Traversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231  3  gray  cURus  1  4 wires twisted  brown, black, blue, white  10 m @ 25 °C   horizontal  33 g/m  PUR  90 ± 5 Shore A
Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Traversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231  3  gray  cURus  1  4 wires twisted  brown, black, blue, white  10 m @ 25 °C   horizontal  33 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Traversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 m @ 25 °C   horizontal 33 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm
Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Traversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231  3  gray  cURus  1  4 wires twisted  brown, black, blue, white  10 m @ 25 °C   horizontal  33 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

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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)	32
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 mm <sup>2</sup>
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	3,6 A
Electrical resistance line constant wire	79 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 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 § 1090   UL 1581 § 1100 FT2
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
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min