

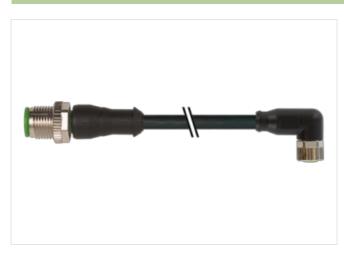
## M12 male 0° / M8 female 90° A-cod.

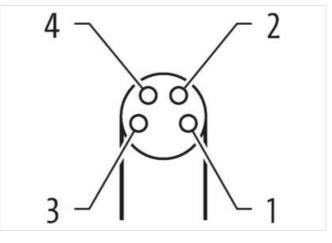
PUR 4x0.25 bk UL/CSA+drag ch. 0.5m

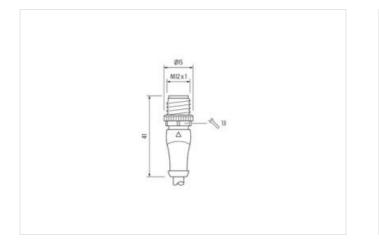
Male straight – female 90° M12 – M8, 4-pole Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

## Illustration



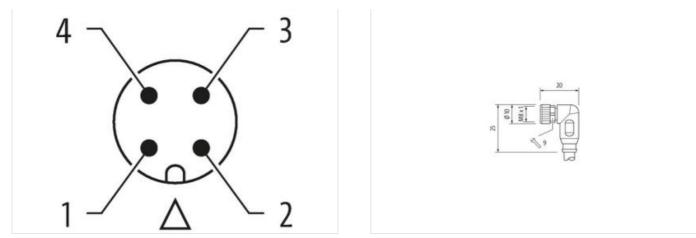






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Product may differ from Image



Cable length	0,5 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
Nounting 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	4048879603133
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	
Degree of protection (EN IEC 60529)	IP65, IP67, IP66K
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data   Material data	•
•	Nielieled
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
Conformity	
Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Installation   Cable	
Installation   Cable	631
Installation   Cable   Cable identification   Cable Type	631 3
Installation   Cable Cable identification Cable Type Jacket Color	631 3 black
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate	631 3 black cURus
Installation   Cable     Cable identification     Cable Type     Jacket Color     Type of Certificate     Amount stranding	631 3 black cURus 1
Installation   Cable     Cable identification     Cable Type     Jacket Color     Type of Certificate     Amount stranding     Stranding	631 3 black cURus 1 4 wires twisted
Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	631 3 black cURus 1 4 wires twisted brown, black, blue, white
Installation   Cable     Cable identification     Cable Type     Jacket Color     Type of Certificate     Amount stranding     Stranding     wire arrangement     No. of bending cycles (C-track)	631 3 black cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C
Installation   Cable     Cable identification     Cable Type     Jacket Color     Type of Certificate     Amount stranding     Stranding     wire arrangement     No. of bending cycles (C-track)     Cable weigth	631   3   black   cURus   1   4 wires twisted   brown, black, blue, white   10 Mio. @ 25 °C   33 g/m
Installation   Cable     Cable identification     Cable Type     Jacket Color     Type of Certificate     Amount stranding     Stranding     wire arrangement     No. of bending cycles (C-track)     Cable weigth     Material jacket	631 3 black cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 33 g/m PUR
Installation   Cable     Cable identification     Cable Type     Jacket Color     Type of Certificate     Amount stranding     Stranding     wire arrangement     No. of bending cycles (C-track)     Cable weigth     Material jacket     Shore hardness jacket	631     3     black     cURus     1     4 wires twisted     brown, black, blue, white     10 Mio. @ 25 °C     33 g/m     PUR     90 ± 5 Shore A
Installation   CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)	631     3     black     cURus     1     4 wires twisted     brown, black, blue, white     10 Mio. @ 25 °C     33 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Installation   CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)	631     3     black     cURus     1     4 wires twisted     brown, black, blue, white     10 Mio. @ 25 °C     33 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,5 mm
Installation   CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)	631     3     black     cURus     1     4 wires twisted     brown, black, blue, white     10 Mio. @ 25 °C     33 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,5 mm     ± 5 %
Installation   Cable     Cable identification     Cable Type     Jacket Color     Type of Certificate     Amount stranding     Stranding     wire arrangement     No. of bending cycles (C-track)     Cable weigth     Material jacket     Shore hardness jacket     Freedom from ingredients (jacket)     Outer-diameter (jacket)     Tolerance outer diameter (sheath)     Material wire insulation	631     3     black     cURus     1     4 wires twisted     brown, black, blue, white     10 Mio. @ 25 °C     33 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,5 mm
Installation   CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wires	631     3     black     cURus     1     4 wires twisted     brown, black, blue, white     10 Mio. @ 25 °C     33 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,5 mm     ± 5 %     PP     4
Installation   CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter insulation	631     3     black     cURus     1     4 wires twisted     brown, black, blue, white     10 Mio. @ 25 °C     33 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,5 mm     ± 5 %     PP     4     1,25 mm
Installation   CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter insulationOuter diameter insulationOuter diameter tolerance core insulation	631     3     black     cURus     1     4 wires twisted     brown, black, blue, white     10 Mio. @ 25 °C     33 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,5 mm     ± 5 %     PP     4     1,25 mm     ± 5 %
Installation   CableCable identificationCable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter insulation	631     3     black     cURus     1     4 wires twisted     brown, black, blue, white     10 Mio. @ 25 °C     33 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,5 mm     ± 5 %     PP     4     1,25 mm

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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
Traversing distance (C-track)	10 m @ 25 °C   horizontal
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
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2,5 kV @ 60 s
AC withstand voltage power (wire - wire)	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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
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
Torsion stress	± 180 °/m

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