

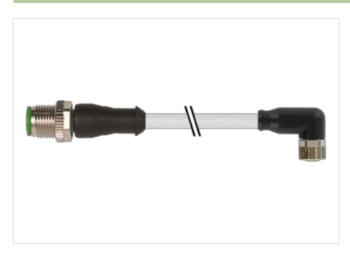
## M12 male 0° / M8 female 90° A-cod.

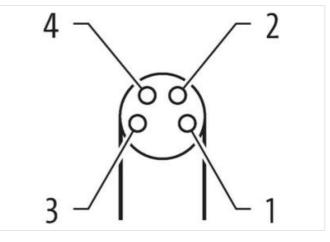
PUR 4x0.25 gy UL/CSA+drag ch. 1.5m

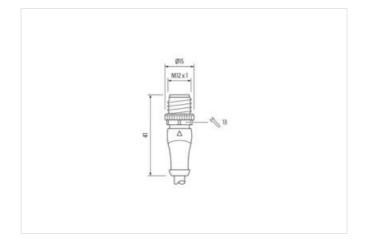
Male straight – female 90° M12 – M8, 4-pole Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

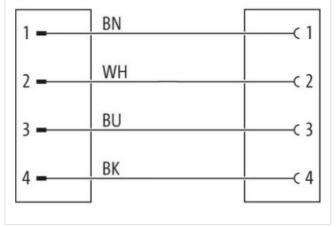
## Link to Product

## Illustration

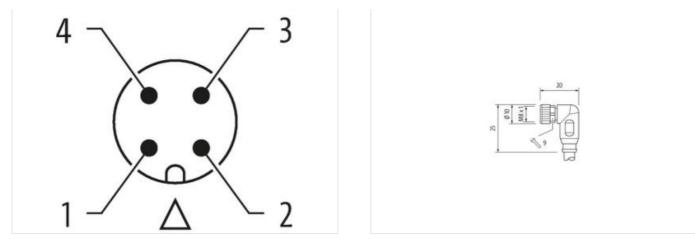












Product may differ from Image



Cable length	1,5 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
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	4048879160438
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	
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 ℃
Operating temperature max. Additional condition temperature range	85 °C depending on cable quality
Additional condition temperature range	depending on cable quality
Additional condition temperature range Conformity Product standard	
Additional condition temperature range Conformity Product standard Installation   Cable	depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Additional condition temperature range Conformity Product standard Installation   Cable Cable identification	depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) 231
Additional condition temperature range Conformity Product standard Installation   Cable Cable identification Cable Type	depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) 231 3
Additional condition temperature range Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color	depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) 231 3 gray
Additional condition temperature range Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate	depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) 231 3 gray cURus
Additional condition temperature range         Conformity         Product standard         Installation   Cable         Cable identification         Cable Type         Jacket Color         Type of Certificate         Amount stranding	depending on cable quality         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         231         3         gray         cURus         1
Additional condition temperature range         Conformity         Product standard         Installation   Cable         Cable identification         Cable Type         Jacket Color         Type of Certificate         Amount stranding         Stranding	depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) 231 3 gray cURus 1 4 wires twisted
Additional condition temperature range         Conformity         Product standard         Installation   Cable         Cable identification         Cable Identification         Cable Type         Jacket Color         Type of Certificate         Amount stranding         Stranding         wire arrangement	depending on cable quality DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) 231 3 gray cURus 1 4 wires twisted brown, black, blue, white
Additional condition temperature range         Conformity         Product standard         Installation   Cable         Cable identification         Cable Identification         Cable Type         Jacket Color         Type of Certificate         Amount stranding         Stranding         wire arrangement         No. of bending cycles (C-track)	depending on cable quality 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 Mio. @ 25 °C
Additional condition temperature range         Conformity         Product standard         Installation   Cable         Cable identification         Cable identification         Cable Type         Jacket Color         Type of Certificate         Amount stranding         Stranding         wire arrangement         No. of bending cycles (C-track)         Cable weigth	depending on cable quality 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 Mio. @ 25 °C 33 g/m
Additional condition temperature range         Conformity         Product standard         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	depending on cable quality 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 Mio. @ 25 °C 33 g/m PUR
Additional condition temperature range         Conformity         Product standard         Installation   Cable         Cable identification         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	depending on cable quality         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 Mio. @ 25 °C         33 g/m         PUR         90 ± 5 Shore A
Additional condition temperature range         Conformity         Product standard         Installation   Cable         Cable identification         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)	depending on cable quality         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 Mio. @ 25 °C         33 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Additional condition temperature range         Conformity         Product standard         Installation   Cable         Cable identification         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)	depending on cable quality 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 Mio. @ 25 °C 33 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm
Additional condition temperature range         Conformity         Product standard         Installation   Cable         Cable identification         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)	depending on cable quality         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 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 %
Additional condition temperature range         Conformity         Product standard         Installation   Cable         Cable identification         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	depending on cable quality         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 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
Additional condition temperature range         Conformity         Product standard         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         Amount wires	depending on cable quality         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 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
Additional condition temperature range         Conformity         Product standard         Installation   Cable         Cable identification         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         Amount wires         Outer diameter insulation	depending on cable quality         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 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
Additional condition temperature range         Conformity         Product standard         Installation   Cable         Cable identification         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         Amount wires         Outer diameter insulation         Outer diameter tolerance core insulation	depending on cable quality         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 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 %
Additional condition temperature range         Conformity         Product standard         Installation   Cable         Cable identification         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         Amount wires         Outer diameter insulation	depending on cable quality         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 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
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
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 180 °/m

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