

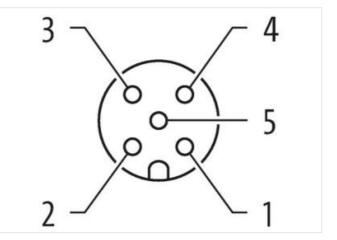
M12 male 0° / M12 female 0°

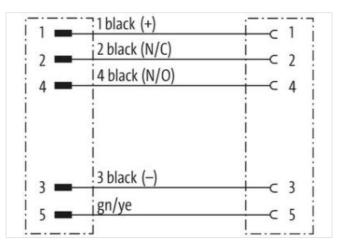
PUR 5x0.75 bk UL/CSA+drag ch. 1.5m

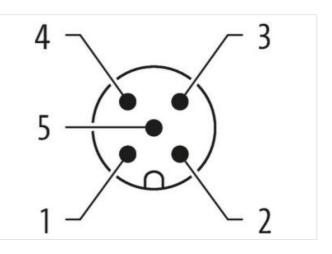
Male straight – female straight M12 – M12, 5-pole with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product



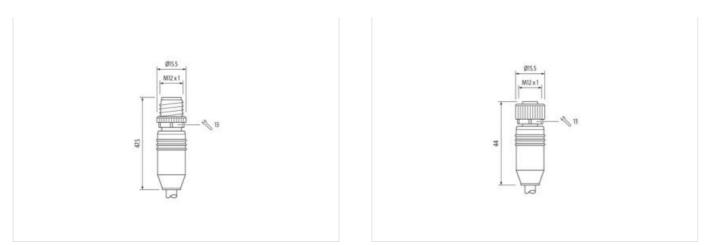






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Product may differ from Image



Cable length	1,5 m
Side 1	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Coding	A
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Side 2	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Coding	A
No. of poles	5
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
customs tariff number	85444290
GTIN	4048879307635
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	125 V
Operating voltage DC max.	125 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V

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Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	3 1,5 kV
Material group (IEC 60664-1)	
	•
Mechanical data   Material data	
Coating locking	Nickeled
Material housing	PUR
Locking material	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)
Installation   Cable	
Cable identification	638
Cable Type	3
Printing color of wire insulation	white (isolation black)
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	
	5 wires around Core filler twisted
Filler	yes
	yes black 1, black 2, black 3, black 4, green-yellow
Filler	yes
Filler wire arrangement	yes black 1, black 2, black 3, black 4, green-yellow
Filler wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket	yes black 1, black 2, black 3, black 4, green-yellow 10 Mio. @ 25 °C 81,4 g/m PUR
Filler wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket	yes black 1, black 2, black 3, black 4, green-yellow 10 Mio. @ 25 °C 81,4 g/m PUR 90 ± 5 Shore A
Filler         wire arrangement         No. of bending cycles (C-track)         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)	yes black 1, black 2, black 3, black 4, green-yellow 10 Mio. @ 25 °C 81,4 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Filler         wire arrangement         No. of bending cycles (C-track)         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)	yes         black 1, black 2, black 3, black 4, green-yellow         10 Mio. @ 25 °C         81,4 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         7 mm
Filler         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)	yes         black 1, black 2, black 3, black 4, green-yellow         10 Mio. @ 25 °C         81,4 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         7 mm         ± 5 %
Filler 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	yes         black 1, black 2, black 3, black 4, green-yellow         10 Mio. @ 25 °C         81,4 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         7 mm         ± 5 %         PP
Filler         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	yes         black 1, black 2, black 3, black 4, green-yellow         10 Mio. @ 25 °C         81,4 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         7 mm         ± 5 %         PP         5
Filler         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	yes         black 1, black 2, black 3, black 4, green-yellow         10 Mio. @ 25 °C         81,4 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         7 mm         ± 5 %         PP         5         1,85 mm
Filler         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 tolerance core insulation	yes           black 1, black 2, black 3, black 4, green-yellow           10 Mio. @ 25 °C           81,4 g/m           PUR           90 ± 5 Shore A           lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           7 mm           ± 5 %           PP           5           1,85 mm           ± 5 %
Filler         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 tolerance core insulation         Shore hardness wire insulation	yes           black 1, black 2, black 3, black 4, green-yellow           10 Mio. @ 25 °C           81,4 g/m           PUR           90 ± 5 Shore A           lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           7 mm           ± 5 %           PP           5           1,85 mm           ± 5 %           70 ± 5 Shore D
Filler         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 tolerance core insulation         Shore hardness wire insulation         Ingredient freeness wire insulation	yes         black 1, black 2, black 3, black 4, green-yellow         10 Mio. @ 25 °C         81,4 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         7 mm         ± 5 %         PP         5         1,85 mm         ± 5 %         70 ± 5 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Filler         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 tolerance core insulation         Outer diameter tolerance core insulation         Shore hardness wire insulation         Printing color of wire insulation	yes         black 1, black 2, black 3, black 4, green-yellow         10 Mio. @ 25 °C         81,4 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         7 mm         ± 5 %         PP         5         1,85 mm         ± 5 %         70 ± 5 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Filler         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 tolerance core insulation         Shore hardness wire insulation         Ingredient freeness wire insulation         Printing color of wire insulation         Amount strands (wire)	yes         black 1, black 2, black 3, black 4, green-yellow         10 Mio. @ 25 °C         81,4 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         7 mm         ± 5 %         PP         5         1,85 mm         ± 5 %         70 ± 5 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         white (isolation black)         42
Filler         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 tolerance core insulation         Shore hardness wire insulation         Printing color of wire insulation         Printing color of wire insulation         Amount strands (wire)         Diameter of single wires	yes         black 1, black 2, black 3, black 4, green-yellow         10 Mio. @ 25 °C         81,4 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         7 mm         ± 5 %         PP         5         1,85 mm         ± 5 %         70 ± 5 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         white (isolation black)         42         0,15 mm
Filler         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 tolerance core insulation         Shore hardness wire insulation         Ingredient freeness wire insulation         Printing color of wire insulation         Amount strands (wire)         Diameter of single wires         Conductor crosssection (wire)	yes         black 1, black 2, black 3, black 4, green-yellow         10 Mio. @ 25 °C         81,4 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         7 mm         ± 5 %         PP         5         1,85 mm         ± 5 %         70 ± 5 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         white (isolation black)         42         0,15 mm         0,75 mm <sup>2</sup>
Filler         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 tolerance core insulation         Outer diameter tolerance core insulation         Shore hardness wire insulation         Printing color of wire insulation         Printing color of wire insulation         Amount strands (wire)         Diameter of single wires         Conductor crosssection (wire)         Material conductor wire	yes         black 1, black 2, black 3, black 4, green-yellow         10 Mio. @ 25 °C         81,4 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         7 mm         ± 5 %         PP         5         1,85 mm         ± 5 %         70 ± 5 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         white (isolation black)         42         0,15 mm         0,75 mm²         Stranded copper wire, bare
Filler         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 tolerance core insulation         Outer diameter tolerance core insulation         Shore hardness wire insulation         Printing color of wire insulation         Printing color of wire insulation         Amount strands (wire)         Diameter of single wires         Conductor rosssection (wire)         Material conductor wire         Conductor type (wire)	yes         black 1, black 2, black 3, black 4, green-yellow         10 Mio. @ 25 °C         81,4 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         7 mm         ± 5 %         PP         5         1,85 mm         ± 5 %         70 ± 5 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         white (isolation black)         42         0,15 mm         0,75 mm <sup>2</sup> Stranded copper wire, bare         strand class 6
Filler         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 tolerance core insulation         Outer diameter tolerance core insulation         Shore hardness wire insulation         Printing color of wire insulation         Printing color of wire insulation         Amount strands (wire)         Diameter of single wires         Conductor crosssection (wire)         Material conductor wire	yes         black 1, black 2, black 3, black 4, green-yellow         10 Mio. @ 25 °C         81,4 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         7 mm         ± 5 %         PP         5         1,85 mm         ± 5 %         70 ± 5 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         white (isolation black)         42         0,15 mm         0,75 mm²         Stranded copper wire, bare

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Current load capacity min. wire	8,4 A
Electrical resistance line constant wire	26 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	DIN EN 60811-404   Good, application-related testing
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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