

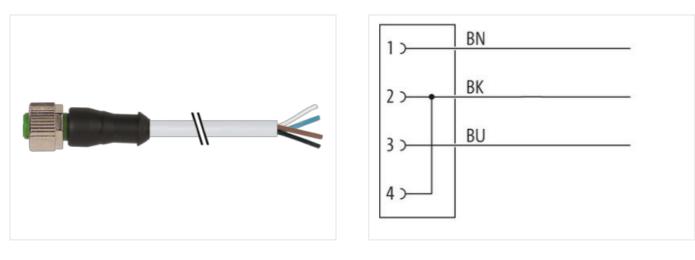
M12 female 0° A-cod. with cable

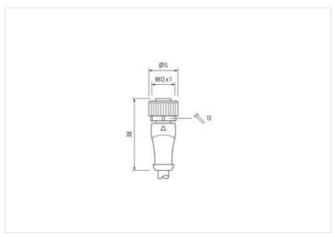
PUR 3x0.34 gy UL/CSA+robot+drag ch. 5m

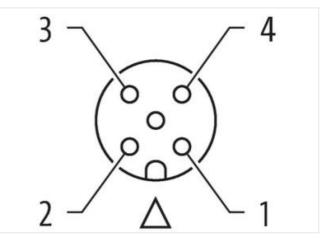
Female straight M12, 4-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

Tightening torque

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-27

5 m

0,6 Nm

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Coating contractgold planedCoating contract fromM12ThreadM12 x 1autable for corrugated lube (ntrenal O)10 mmCoatingAMaterialOpper allyMaterialPURNo. of poles4Miderial contractSopper allyNo. of poles4Miderial contractSupper allyNo. of poles4Miderial contractSupper allySingong length (lacker)20 mmCoating contractgold planedCoating contractgold planedCoating contractgold planedCoating contract27270218ECLASS 6.027270218ECLASS 6.127270218ECLASS 6.127270218ECLASS 6.127270218ECLASS 6.027270218ECLASS 6.027270218ECLASS 7.027060311ECLASS 7.027060311ECLASS 7.027060311ECLASS 7.027060311ECLASS 7.02706031ECLASS 7.02706031ECLASS 7.02706031ECLASS 7.02706031ECLASS 7.02706031ECLASS 7.02706031ETMA 7.0ECO8185Coating unditing worthight AC music280 VOperating worthight AC music280 VOperating worthight AC music280 VOperating worthight AC music30 VOperating worthight AC music30 VOperating worthight AC music30 VOperating worthight AC	Mounting method	inserted, screwed
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	Material screw connection	Zinc die-casting
Mounting method inserted, screwed, Shaking protection	Mechanical data Mounting data	
	Mounting method	inserted, screwed, Shaking protection

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-27

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Environmental characteristics | Climatic

Operating temperature min.85 °COperating temperature max.85 °CAddional condition temperature rangedepending on cable qualityConcertDNE No 1076-2-101 (M12)Product standardDNE No 1076-2-101 (M12)Installation I Cable253Cable Type I ConflictqrayType I ConflictQrayType I ConflictUPURAnsoning Color3 wire briefedMarting Color10 Max.Ansoning Color10 Max.Ansoning Color10 Max.Color Marting Color10 Max.Ansoning Color10 Max.Ansoning Color10 Max.Ansoning Color10 Max.Ansoning Color10 Max.Ansoning Color29.7 QraMaterial packel Comoxin10 Max.Non Endening Spekel Comoxin10 Max.Product main fragedontic factor10 Max.Material packel59.7 SProduct main fragedontic factor15 %Material Anio insulation15 %Calor and and anter factor15 SmCalor and anter factor15 SmCalor and anter factor15 SmCalor anter anter factor15 SmCalor anter an	Environmental characteristics Climatic	
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Cable identification 283 Cable Type 5 Schell Color gray Type of Carificatie cuPus Annount stranding 1 Stranding Swires twisted wire arrangement brown. black. blue No. or bending cycles (C-track) 10 Mo. @ 25 °C Cable weigh 693 °G m Material gickel 593 Shore D Freedom from ingredents (globel) Isad-tree, cadmum-free, CFC-tree, halogen-free Outer diamoter (globel) 43 mm Tolerance outer insulation PP Annout wires 3 Outer diamoter (globel) 125 °m Cable metry insulation PP Annout wires 3 Outer diamoter insulation 12 °s Shore D Ingredient Insulation 12 °s Shore D Shore hardress wire insulation 12 °s Shore D Ingredient Inservers were insulation 12 °s Shore D Ingredient Inservers were insulation 12 °s Shore D Ingredient Inservers were insulation 12 °s Shore D Ingruedient Inservers were insulation	Product standard	DIN EN 61076-2-101 (M12)
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Jacket Color gray Type of Carlificate clRus Anount stranding 1 Stranding 3 wikes wikeled wite arrangement brown, black, blue No. of bending sydes (C-track) 10 Mis. @ 25 °C Gabis weigh 28,7 g/m Matarial jachat PUP Shore hardhess jacket 58 ± 3 Shore D Freedom from ingredients (jacket) 18 ± 5 % Outer diameter (sheath) ± 5 % Material aviant 27 % Material wike insulation PP Amount wires 3 Outer diameter (sheath) ± 5 % Shore hardheses wire insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.45 % Shore hardheses wire insulation 1.45 % Shore hardheses wire insulation 1.45 % Shore hardheses wire insulation 1.25 mm Outer diameter insulation 1.25 mm Material conductor wine wiles 5.4 % Shore bardheses wire insulation 1.25 mm <td< td=""><td>Cable identification</td><td>253</td></td<>	Cable identification	253
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Cable weigh 29,7 g/m Material jacket PUR Shore hardness jacket 58 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.3 mm Tolerance outer diameter (slacket) 4.5 % Material wire insulation PP Amount wires 3 Outer diameter (solation) 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter site insulation 7.4 ± 3 Shore D Ingredient freeness wire insulation 7.4 ± 3 Shore D Ingredient freeness wire insulation 7.4 ± 3 Shore D Ingredient freeness wire insulation 1.28 mm Conductor crossection (wire) 0.34 mm ² Material conductor wire Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor traversing distance (-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacin; (standard)	wire arrangement	brown, black, blue
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Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 4.3 mm Tolerance outer diameter (jacket) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 74 ± 3 Shore D Amount strands (wire) 42 Diameter of single wires 0.1 mm Conductor crossection (wire) 0.34 mm ² Material conductor wire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Current load capacity min. wire 6 A Electrical resistance (inconstant wire 60 Ω km @ 20 °C Nominal voltage power (wire - wire) 2.5 kV @ 60 s AC wirbstand volta		
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Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 74 ± 3 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 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Nominal voltage power (AC max. 300 V Power frequency withstand voltage power 2,5 kV @ 60 s Min. operating temperature (statc) -40 °C Max. operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic)	Material wire insulation	PP
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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 crossection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity win. wire 6 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Max. operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 20 °C °C @ 10000 h Operation Flame resistance Good, application-related	Outer diameter tolerance core insulation	±5%
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Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6 A Electrical resistance line constant wire 60 Q/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) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radiu	Amount strands (wire)	42
Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)6 AElectrical resistance line constant wire60 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power2,5 kV @ 60 s(wire - jacket)2,5 kV @ 60 sAC withstand voltage power (wire - wire)2,5 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-25 °COperating temperature min. (dynamic)-25 °COperating temperature min. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1000 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceIDN EN 60811-404 Good, application-related testingOil resistanceIDN EN 60811-404 Good, application-related testingBending radius (fixed)5 × Outer diameterNo. of torsion cycles1 Mio.Torsion speed35 cycles/min	Diameter of single wires	0,1 mm
Conductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 AElectrical resistance line constant wire60 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power2,5 kV @ 60 sAC withstand voltage power (wire - wire)2,5 kV @ 60 sAC withstand voltage power (wire - wire)2,5 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1000 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (fixed)5 x Outer diameterNo. of torsion cycles1 Mio.Torsion speed35 cycles/min	Conductor crosssection (wire)	0,34 mm²
Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power 2,5 kV @ 60 s Kir e 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) -25 °C Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter <td>Material conductor wire</td> <td>Stranded copper wire, bare</td>	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 AElectrical resistance line constant wire60 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2,5 kV @ 60 sAC withstand voltage power (wire - wire)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 × Outer diameterNo. of torsion cycles1 Mio.Torsion speed35 cycles/min	Conductor type (wire)	strand class 6
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Nominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2,5 kV @ 60 sAC withstand voltage power (wire - wire)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 × Outer diameterBending radius (dynamic)10 × Outer diameterNo. of torsion cycles1 Mio.Torsion speed35 cycles/min	Current load capacity min. wire	6 A
Power frequency withstand voltage power (wire - jacket)2,5 kV @ 60 sAC withstand voltage power (wire - wire)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles1 Mio.Torsion speed35 cycles/min	Electrical resistance line constant wire	60 Ω/km @ 20 °C
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No. of torsion cycles 1 Mio. Torsion speed 35 cycles/min	Bending radius (fixed)	5 x Outer diameter
Torsion speed 35 cycles/min		
	No. of torsion cycles	1 Mio.
Torsion stress ± 360 °/m		
	Torsion stress	± 360 °/m

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-27

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