

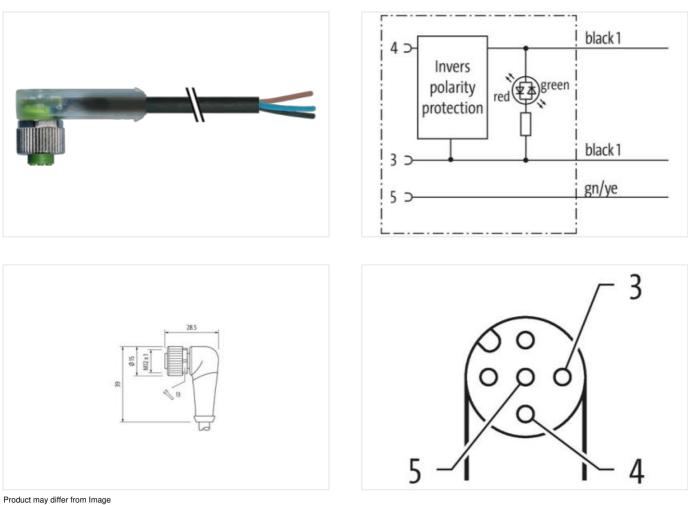
M12 female 90° A-cod. with cable

PUR 3x0.75 bk UL/CSA+drag ch. 25m

Female 90° M12, 3-pole 2× LED (PNP) Invers-polarity protection 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







Cable length

25 m

0,6 Nm

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: 2024-05-19

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Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal \emptyset)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
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	4048879568241
Packaging unit	1
Electrical data Supply	
Operating voltage DC	24 V
Operating voltage DC min.	20,4 V
Operating voltage DC max.	27,6 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	green, red
Installation Connection	·
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
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.
	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius	endangered by excessive bending forces.
Installation Cable	
Cable identification	636

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Intelligencies white (isolation black) Jacket Color black Type of Certificate cl.Rus Amount Standing 1 Stranding 3 vires livitade Weite arrangement bback 1, back 2, green-yellow Gabe weight 55 1 pm Matural Jackut PUR Store handness jacket 90 s 5 Shore A Freedom from ingedents (jacket) 55 s 7mm Tolerance suff carenets (glacket) 5 s 7mm Tolerance suff carenets (glacket) 5 s 7mm Outer diameter (jacket) 5 5 mm Outer diameter insulation 1,85 mm Outer diameter insulation 1,85 mm Outer diameter insulation 1,85 mm Store handness win insulation 1 and free, cadmium-free, CPC-free, halogen-free, alicone-free Printing color of wre insulation 1 and free, cadmium-free, CPC-free, halogen-free, alicone-free Printing color of wre insulation 1 and free, cadmium-free, CPC-free, halogen-free, alicone-free Printing color of wre insulation 1 and free, cadmium-free, CPC-free, halogen-free, alicone-free Printing cond ovre insulation 1 and free, cadmium-fre	Cable Type	3
Type of Certificatie cURus Amount stranding 1 Stranding 3 wise builded Stranding 3 wise builded Stranding 3 wise builded Stranding 51 (grown) Material jacket PUR Stron Inderfast jacket 90 ± 5 Shore A Freedom from ingedents (jacket) 53 mm Outer diameter (jacket) 53 mm Outer diameter insulation 12 % Material wire insulation 13 % mm Outer diameter insulation 13 % mm Outer diameter insulation 14 % % Store hardness wire insulation 14 % % Insert freeness wire insulation 14 % % Norm wire insulation 14 % % Insert freeness wire insulation 14 % % Mount stranding (wire) 42 Diameter of single wires 0,15 mm Candudor crossection (wire) 0,75 mm? Material conductor wire Stranded copper wire, bare Candudor troessection (wire) 0,16 mm? Candudor troessection (wire) 0,17 mm? <	Printing color of wire insulation	white (isolation black)
Amount stranding 1 Stranding 3 wires twisted Wrie arrangement black 1, black 2, green-yellow Cable weight 66,1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (gacket) lead-free, cadmum-free, CPC-free, halogen-free, silicone-free Outer-diameter (gheath) ± 5 % Material jacket PP Amount wires 3 Outer diameter (wheath) ± 5 % Shore hardness wire insulation 1.85 mm Outer diameter insulation 1.85 mm Outer diameter insulation 1.85 from D Ingredient treeness wire insulation tead-free, cadmum-free, CPC-free, halogen-free, silicone-free Printing color of wire insulation wires Outer diameter insulation tead-free, cadmum-free, CPC-free, halogen-free, silicone-free Printing color of wires 0.15 mm Conductor crosseation (wire) 0.75 mm ² Diameter of single wires 0.15 mm Conductor biasel (wire) 42 Diameter of single wires 0.15 mm	Jacket Color	black
Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Cablo weigh 56,1 ym Material jacket PUR Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) Isad-Free, cadmum-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 5.9 mm Outer diameter (iacket) 5.9 mm Outer diameter insulation PP Amount wires 3 Outer diameter insulation 1.85 mm Outer diameter tolerance core insulation 1.5 % Shore hardness wire insulation 70 ± 5 Shore D Tingredient freeness wire insulation 70 ± 5 Shore D Tingredient freeness wire insulation 1.85 mm Outer diameter diversition white isolation black) Amount strands (wire) 42 Diametor d'ingredient freeness were insulation 1.05 mm Conductor type (wire) Strand dospe further, bare Conductor type (wire) Strand dospe further, bare Conductor type (wire) 0.75 mm ² Tawering datance (Crack) 10 m @ 25 °C Invico/Lat	Type of Certificate	cURus
wire arrangement black 1, black 2, green-yellow Cable weight 66,1 g/m Matrial jacket PUR Shore hardness jacket 90.1 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 5.9 mm Tolerance outer diameter (jacket) 5.9 mm Marcial wise insulation PP Amount wires 3 Outer diameter (insulation 1.5 % Shore hardness wire insulation 1.5 % Shore hardness wire insulation 1.85 mm Outer diameter insulation 1.85 mm Togredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Firring color of wire insulation wire (isolation black) Amount strands (wire) 0.15 mm Conductor vire Biranded copper wire, bare Conductor vire (wire) 0.15 mm	Amount stranding	1
Cable weight \$6,1 g/m Material jacket PUR Freadom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, allicone-free Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (seated) 5.9 mm Tolerance outer diameter (seated) 5.9 mm Outer diameter (jacket) 5.9 mm Outer diameter insulation PP Amount wires 3 Outer diameter insulation 1.85 mm Outer diameter insulation 1.5 % Shore hardness wire insulation 1.65 Smre Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation white (jacket) Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor crossection (wire) 0.75 mmP Material conductor wire Stranded copper wire, bare Conductor crossection (wire) 0.75 mmP Conductor wire (Lacket) 10 m @ 25 °C (Inotzental Normal distance (C-track) 10 m @ 25 °C (Inotzental Normal distance (C-track) 10 N VE C298-4 Current load capacity (sindmart) 10 DIN VE C298-4 Current load capacity (sindmart) 10 DIN VE C298-4 Conductor wite 2.5 KV @	Stranding	3 wires twisted
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom Tion Ingedinsti (jacket) lead-free, cadmium-free, CFC-free, halogen-free Oular-diameter (jacket) 5.9 mm Tolerance outer diameter (jacket) 5.9 mm Material Wis Insulation PP Amount Wries 3 Outer diameter (jacket) 70 ± 5 Shore D Ingredient Ireeness wire insulation 1.85 mm Outer diameter (wire) 42 Shore hardness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation wire (solation black) Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor crossection (wire) 0.75 mm ² Gonductor vise Stranded copper wire, bare Conductor vise (wire) strand class 6 Traversing distance (b track) 10 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 028-4 Current load capacity (standard) to DIN VDE 028-4 Current load capacity min. wire	wire arrangement	black 1, black 2, green-yellow
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead free, cadmum free, CPC-free, halogen free, silicone-free Outer-diameter (gacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter tolerance ore insulation 1.85 mm Outer diameter tolerance ore insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmum free, CPC-free, halogen-free, silicone-free Printing color of wire insulation lead-free, cadmum free, CPC-free, halogen-free, silicone-free Printing color of wire insulation white (solation black) Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor orgenesetion (wire) 0.75 mm ² Conductor wire Stranded copper wire, bare Conductor	Cable weigth	56,1 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5.8 mm Tobrance outer diameter (sheath) 1.5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1.85 mm Outer diameter insulation 1.85 mm Outer diameter insulation 1.95 % Shore hardness wire insulation 1.95 % Ingredent freeness wire insulation 1.95 % Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of alignet wires 0.15 mm Conductor crosssection (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor (Freek) 10 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN NDE 0288-4 Current load capacity (standard) to DIN NDE 0288-4 Current load capacity (standard) to DIN NDE 0288-4 Current load capacity (wire) 2.5 kV @ 60 s Advistand voltage (wire ·) 2.5 kV @ 60 s Marcer requency withstand voltage (wire ·) 2.5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (s	Material jacket	PUR
Outer-diameter (jacket) 5,9 mm Tolerance outer (diameter (jacket)) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter (insulation 1,85 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 16 % Shore hardness wire insulation 16 % % Manuart strains (wire) 42 Diameter of single wires 0,15 mm Gonductor crosssection (wire) 0,75 mm² Material orductor wire Stranded copper wire, bare Conductor viree Stranded copper wire, bare Conductor viree Stranded copper wire, bare Conductor wire Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) \pm 5 %Material wire insulationPPAmount wires3Outer diameter insulation1.85 mmOuter diameter tolerance core insulation \pm 5 %Shore hardness wire insulation70 \pm 5 Shore DIngredient freeness wire insulation70 \pm 5 Shore DIngredient freeness wire insulationwhite (Isolation black)Amount strank (wire)42Diameter of single wires0.15 mmConductor crossection (wire)0.75 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C horizontalNominal voltage (wire)2.5 kV @ 60 sCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4 <td>Freedom from ingredients (jacket)</td> <td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td>	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount Wires 3 Outer diameter insulation 1.85 mm Outer diameter insulation 70 ± 5 Shore D Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Printing color wire insulation white (solation black) Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor rossesction (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) etrand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - wire) 2.5 KV @ 60 s Power frequency withstand voltage (wire - strice) 2.5 KV @ 60 s Power frequency withstand voltage (wire - strice) 2.5 KV @ 60 s Max. operating temperature (stalic) -40 °C Max. operating temperature (stalic) -40 °C Max. operating temperature max. (dynamic) -25 °C Operati	Outer-diameter (jacket)	5,9 mm
Amount wires 3 Outer diameter insulation 1.85 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 Printing color of wire insulation white (solation black) Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor wire (wire) 0.75 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (stander) to DIN VEE 0298-4 Current load capacity (stander) to DIN VEE 0298-4 Current load capacity (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - zisce) 2.5 kV @ 60 s Min: operating temperature (staic) -40 °C Max. operating temperature (staid) 80 °C / 90 °C @ 10000 h Operation Outre esistance IEC 60332-22 / UL 1581 § 1100 FT2 / UL 1581 § 1090 Oherating temperature (staid) 80 °C / 90 °C @ 10000 h Operation Outre esistance IEC 60332-22 / UL 1581 § 1100 FT2 / UL 1581 § 1090 Oherating temperature (staid) <td< td=""><td>Tolerance outer diameter (sheath)</td><td>±5%</td></td<>	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1.85 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 1ead-tree, camium-free, CFC-free, halogen-free, slicone-free Printing color of wire insulation while (isolation black) Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor cosssection (wire) 0.75 mm ³ Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity mix-wire 12 A Electrical resistance line constant wire 26 0/km @ 20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s pawer frequency withstand voltage (wire - stard) 2.5 kV @ 60 s Min: operating temperature (static) 40 °C Max. operating temperature (static) 80 °C / 90 °C @ 10000 h Operation Operating tempera	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 % Shore hardness wie insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, OFC-free, halogen-free, silicone-free Printing color view insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor view (sublation black) 42 Diameter of single wires 0,15 mm Conductor view (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor by (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0288-4 Current load capacity (standard) to DIN VDE 0288-4 Current load capacity wire wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - isolator) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) <td>Amount wires</td> <td>3</td>	Amount wires	3
Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor vire Stranded copper wire, bare Conductor vire 26 k/W @ 0 s Min. operating encopacin min. wire 12 A <td>Outer diameter insulation</td> <td>1,85 mm</td>	Outer diameter insulation	1,85 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of Single wires 0,15 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Corter frequency withstand voltage (wire - in	Outer diameter tolerance core insulation	±5%
Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crossection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Gurrent load capacity (standard) to DIN VDE 0298-4 Gurrent load capacity (standard) to DIN VDE 0298-4 Bedruch undage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - if 2, 5 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Operating temperature min. (dynam	Shore hardness wire insulation	70 ± 5 Shore D
Amount strands (wire)42Diameter of single wires0.15 mmConductor crosssection (wire)0.75 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Electrical resistance line constant wire26 Ω/km @ 20 °CAC withstand voltage (wire - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2.5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)-25 °CIDIN EN ISO 4892-2 AFlame resistanceFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistance<	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 mm* Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - ise (action)) 2,5 kV @ 60 s Power frequency withstand voltage (wire - ise (action)) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Operating temperature max. (dynamic) 22 °C Operating temperature max. (dynamic) 22 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892·2 A Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing	Printing color of wire insulation	white (isolation black)
Conductor crosssection (wire)0,75 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)2.5 kV @ 60 sPower frequency withstand voltage (wire - wire)2,5 kV @ 60 sJacket I)2.5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDil resistanceGood, application-related testingBending radius (fixed)5 x Cuter diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Amount strands (wire)	42
Material conductor wire Strande dopper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (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 (static) -40 °C Max. operating temperature (ixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) -25 °C UV resistance IEC 60332-22 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 × Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cyceles	Diameter of single wires	0,15 mm
Conductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire12 AElectrical resistance line constant wire26 Q/km @ 20 °CAC withstand voltage (wire - vire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature min. (dynamic)-25 °COperating temperature min. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2 I UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGaine resistanceGood, application-related testingGaine resistanceGood, application-related testingGaine resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 × Outer diameterFlameterElectrical case s c CNo. of torsion cycles2 Mio.Travel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Conductor crosssection (wire)	0,75 mm²
Traversing distance (C-track)10 m @ 25 °C horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire12 AElectrical resistance line constant wire26 Ω/km @ 20 °CAC withstand voltage (wire - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2.5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (ixed)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 IUL 1581 § 1100 FT2 UL 1581 § 1090Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing </td <td>Material conductor wire</td> <td>Stranded copper wire, bare</td>	Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire12 AElectrical resistance line constant wire26 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 6032-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing<	Conductor type (wire)	strand class 6
	Traversing distance (C-track)	10 m @ 25 °C horizontal
Current load capacity min. wire 12 A Electrical resistance line constant wire 26 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 UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-felated testing Din ensistance I × Outer diameter Travel speed (C-track) 10 Nio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Nominal voltage AC max.	300 V
Electrical resistance line constant wire26 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDin gradius (fixed)5 x Outer diameterTravel speed (C-track)10 Nio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2.5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (ixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingBending radius (fixed)5 × Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Current load capacity min. wire	12 A
Power frequency withstand voltage (wire - jacket)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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDil resistanceI 0 × Outer diameterBending radius (fixed)5 × Outer diameterTravel speed (C-track)10 N EN @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Electrical resistance line constant wire	26 Ω/km @ 20 °C
jacket)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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDing radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Min. 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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDil resistanceIO vour diameterBending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		2,5 kV @ 60 s
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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		
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		
Travel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		
No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 180 °/m	Travel speed (C-track)	10 Mio. @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 180 °/m
	Torsion speed	35 cycles/min

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: 2024-05-19

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