

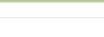
M12 male 90° A-cod. / MSUD valve plug B-10mm

PUR 3x0.75 gy UL/CSA+robot+drag ch. 0.3m

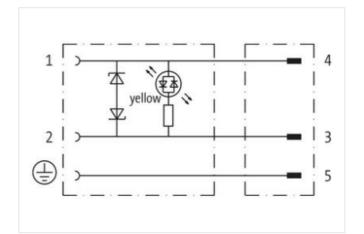
Form B (10 mm) - M12, male 90° 24 V AC ±20% / DC ±25% LED and suppression Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

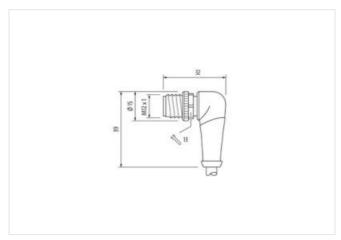
Link to Product

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: 2024-05-02

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0,3 m

0,4 Nm



Thread	M3
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Thread	M12 x 1
Degree of protection (EN IEC 60529)	IP66K, IP67
Commercial data	
	27279218
ECLASS-6.0 ECLASS-6.1	27279218
ECLASS-0.1 ECLASS-7.0	27279218
ECLASS-7.0 ECLASS-8.0	27279218
ECLASS-9.0	27060312
ECLASS-10.1	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879610148
Packaging unit	1
Electrical data	
Capacity CX	20 ms
Electrical data Supply	
	24 V
Operating voltage AC Operating voltage AC min.	19,2 V
Operating voltage AC max.	28,8 V
Operating voltage DC	20,0 V 24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Cut-off peak voltage max.	55 V
Current operating per contact max.	4 A
Current consumption max.	12 mA
Diagnostics	
Status indication LED	yellow
	yenow
Device protection Electrical	Second advectory of
Additional condition protection degree Rated surge voltage	inserted, screwed 0,8 kV
Mechanical data Material data	0,0 KV
·	
Color housing	black
Material housing	Plastic
Mechanical data Mounting data	
Mounting method	inserted, screwed
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.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.

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Cable Type 5 Printing color of wire insulation white (isolation black) Jacket Color gray Type of Certificate cLFus Amount stranding 1 Stranding 3 wires revisited wires a rangement black 1. Liback 2. green yellow Cable weigh 45.4 g/m Material jacket PUR Shore hardness jacket 52.3 Shore D Freedom from ingrodients (jacket) 10ad Free, catchium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 5.2 Shore D Tolerance outer diameter (sheath) ± 5 %. Material wire insulation PP Amount wires 3 Outer diameter insulation 1.7 mm Outer diameter insulation 7.4 ± 3 Shore D Ingradient termeas wire insulation 7.4 ± 3 Shore D Ingradient termeas wire insulation 1.4 ± 5 %. Shore harchess wire insulation 7.4 ± 3 Shore D Ingradient termeas wire insulation 1.7 mm Contro dimeter insulation 1.7 mm Controt try in insulation 9.0 5 from <th>Cable identification</th> <th>256</th>	Cable identification	256
Jacket Color gray Type of Certificate cLRus Amount stranding 1 Stranding 3 wires twisted Wire arrangement black 1 black 2, green-yellow Cable weigh 48,4 g/m Material jacket PUR Stranding 53 shore b Shore hardness jacket PUR Shore hardness jacket PUR Cable weigh 48,4 g/m Autorial wei insulation 55 s Tereaton from ingredients (acket) 1.5 % Material wei insulation PP Anount wires 3 Outer diamoter (insulation 1.7 mm Outer diamoter insulation 1.4 5 % Brain hardness were insulation 1.4 5 % Diameter toisnace core insulation 1.6 % Brain hardness were insulation 1.6 % Diameter of single wires 0.15 mm Conductor corsees strok were insulation 1.6 % Material wores 30 V Conductor trokes color were, bare 0.15 mm Conductor corsee insulation <td< td=""><td>Cable Type</td><td>5</td></td<>	Cable Type	5
Type of Certificate cURus Amount stranding 1 Stranding Swires twisted Stranding Swires twisted We arrangement Utack 1, Nack 2, green-yellow Cable weight 48,4 g/m Material jacket PUR Strone transformes jacket 58 ± 3 Store D Freedom from ingredients (jacket) 5.2 mm Toferance outer diameter (isoket) 5.2 mm Toferance outer diameter (isoket) 5.2 mm Cuter diameter insulation PP Amount wrises 3 Outer diameter insulation 1.7 mm Cuter diameter insulation 1.7 mm Cuter diameter insulation 1.7 mm Cuter diameter insulation 1.4 S Store D Irgredient freeness weir insulation white (isolation black) Amount strands (wire) 0.15 mm Conductor rype (wire) strand class 6 Traversing distance (Crack) 5 m @ 25 °C [frost.ontal Mormal voltage AC max. 300 V Current load capacity (withand voltage (wire 2,5 kV @ 60 s Conductor type (wire) </td <td>Printing color of wire insulation</td> <td>white (isolation black)</td>	Printing color of wire insulation	white (isolation black)
Amount stranding 1 Stranding 3 wires bysted Wire arrangement Black 1, black 2, green-yellow Cable weight 48.4 g/m Material jacket PUR Shore hardness jacket 58.3 Shore D Freedom from ingredients (jacket) bea3-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 5.2 mm Tolerance outer diameter (jacket) 5.3 Shore D Defarance outer diameter (jacket) 1.5 % Material twice insulation PP Amount wires 3 Outer diameter titerance core insulation 1.7 mm Outer diameter titerance core insulation 14.3 Shore D Ingredient freeness wire insulation teast-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation vite (solation black) Amount strands (wire) 0.15 mm Conductor crosssection (wire) 0.75 mm ³ Material conductor wire Sin C 25 °C I horizontal Nominal voltage AC max. 300 V Current cod capacity (mist wire) 2.5 kW @ 50 s Powor trocouncy withstand vo	Jacket Color	gray
Stranding 3 wires twisted wire arrangement Ustark 1, back 2, green yellow Cable weigh 48,4 g/m Material jacket FUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredents (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5.2 mm Tolerance unit diameter (sheath) 5.5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,7 mm Outer diameter insulation 74 ± 3 Shore D Ingredient freesens wire insulation 74 ± 3 Shore D Ingredient freesens wire insulation 74 ± 3 Shore D Ingredient freesens wire insulation 74 ± 3 Shore D Mount strads (wire) 42 Dameter of single wires 0,15 mm Canductor crossesclion (wire) 0,75 mm ² Material conductor wire Strand class 6 Traversing distarce (C-track) 6 m @ 25 °C (Invirontal Nominal votage AC max. 300 V Current load capacity (strandstraft) to IN VDE cog8-4	Type of Certificate	cURus
wire arrangementblack 1, black 2, green-yellowCable weigh48,4 g/mMaterial JacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)168 ± 3 Shore DOuter-diameter (jacket)5,2 mTolerance outer diameter (sheath)1,5 %Material avier issulationPPAmount wires3Outer diameter insulation1,7 mmOuter diameter insulation74 ± 3 Shore DIngredient treeness wire insulation1,4 s Shore DIngredient treeness wire insulation1,4 s Shore DIngredient treeness wire insulation1,5 %Shore hardness wire insulation1,5 %Outer diameter toleness wire insulation1,4 s Shore DIngredient treeness wire insulation1,5 mConductor transections wire insulation1,5 mConductor vires section0,15 mmConductor vires costaction (wire)0,75 mm²Conductor vires costaction (wire)5,25 rd m²Conductor vires costaction (wire)5,25 rd m²Current load capacity (standard)to DIN VDE 0284-4Current load capacity (mister)2,5 kV @ 60 sPower frequency Witshand voltage (wire)2,5 kV @ 60 sPower frequency Witshand voltage (wire)2,5 rk @ 60 sMin. operating temperature (wire)60 °C 90 °C @ 10000 h OperationOperation (ensistance)Good, application-related testingCastacterGood, application-related testingCastacterGood, application-related testingCastacter <t< td=""><td>Amount stranding</td><td>1</td></t<>	Amount stranding	1
Cable weigh 48,4 g/m Material jacket PUR Shore hardness jackt 52 a Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5.2 mm Tolerance outer diameter (sheath) 5.5 % Material wire insulation PP Amount wires 3 Outer diameter tolerance core insulation 1,7 mm Outer diameter tolerance core insulation 1 % Shore hardness wire insulation 74 ± 3 Shore D Impredient Thereas wire insulation 74 ± 3 Shore D Impredient Thereas wire insulation white (isolation black) Amount strands (wire) 0,15 mm Conductor vires swire insulation 0,15 mm Conductor vire (wire) Stranded capper wire, bare Conductor vire (wire) stranded capper wire, bare <td< td=""><td>Stranding</td><td>3 wires twisted</td></td<>	Stranding	3 wires twisted
Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) Iead free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-dameter (jacket) 5.2 mm Tolerance outer diameter (jacket) 5.2 mm Material wire insulation PP Amount wires 3 Outer diameter insulation 1.7 mm Outer diameter insulation 74 ± 3 Shore D Ingredient freeness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation Value (localitor black) Amount stands (wire) 42 Diameter of single wires 0.15 mm Conductor type (wire) 57 mm ² Material conductor wire Strandod copper wire, bare Conductor type (wire) 57 mm ² Conductor type (wire) 57 m ² Current load capacity (standard) to DI NUPE 0298.4 Current load capacity (standard) to DI NUPE 0298.4 Current load capacity (standard) 40	wire arrangement	black 1, black 2, green-yellow
Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) tead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter (jacket) ± 5 % Shore hardness wire insulation 1,7 mm Outer diameter tolerance ore insulation ± 5 % Shore hardness wire insulation 14 ± 3 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 rowsesection (wire) 0,75 mm³ Material conductor wire Strand class 6 Traversing distance (C-track) 5 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 (min. wire 12 A Electrical resistance line constant wire 26 Nkm @ 20 °C	Cable weigth	48,4 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 5,2 mm Tolerance outer diameter (jeneth) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,7 mm Outer diameter insulation 1,5 % Shore hardness wire insulation 1,5 % Shore hardness wire insulation 45 % Manuer View insulation 1,4 ± 3 Shore D Ingredient freeness wire insulation wire (solation) Arount strands (wire) 42 Diameter of single wires 0,15 mm Conductor orsossection (wire) 0,75 mm ² Conductor view (incolutation) strand copper wire, bare Conductor view (incolutation) to DIN VDE Coge4 Current load capacity (strandard) to DIN VDE Coge4 Current load capacity (min, wire) 2.5 kV @ 60 s Min: operating t	Material jacket	PUR
Outer-diameter (jacket) 5.2 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1.7 mm Outer diameter insulation 1.6 %. Shore hardness wire insulation 1.6 %. Shore hardness wire insulation 1.6 %. Shore hardness wire insulation 1.6 %. Macunt strands (wire) 42 Diameter of single wires 0.15 mm Conductor crossection (wire) 0.75 mm² Material conclusor of wire Stranded copper wire, bare Conductor vive Stranded copper wire, bare Conductor trossection (wire) 5 % C horizontal Nominal voltage AC max. 300 V Current load capacity (standerd) to DIN VDE 0286-4 Current load capacity (standerd) to DIN VDE 0286-4 Current load capacity (standerd) to DIN VDE 029 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2.5 kV @ 60 s Operating temperature (fixad) 80 °C / 90 °C @ 100000 h Operation<	Shore hardness jacket	58 ± 3 Shore D
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1.7 mm Outer diameter lolerance core insulation ± 5 % Shore hardness wire insulation res. 7 % Shore hardness wire insulation res. 7 % Imgredient freeness wire insulation read-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) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current toad capacity (standard) to DIN VDE 0298-4 Current toad capacity (standard) to DIN VDE 0298-4 Current toad capacity (mir - wire) 2.5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Mix. operating temperature max. (dynamic) -25 °C	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amourt wires 3 Outer diameter insulation 1,7 mm Outer diameter insulation 15 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 74 ± 3 Shore D Printing color of wire insulation while (isolation black) Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded coper wire, bare Conductor vire Stranded coper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-rack) 5 m @ 25 °C horizontal Nominal voltage (wire vire) 2,5 kV @ 60 s Quirent load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Content outsage (wire vire) 2,5 kV @ 60 s Min. operating temperature (st	Outer-diameter (jacket)	5,2 mm
Amount wires 3 Outer diameter insulation 1.7 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 14 3 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 virey 0.75 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal Voltage AC max. 300 V Current load capacity (strandard) to DIN VDE 0298-4 Current load capacity (min, wire) 12 A Electrical resistance line constant wire 26 0/km @ 20 °C AC withstand voltage (wire - 2, 5 kV @ 60 s jacket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max operating temperature (static) -40 °C Max operating temperature	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation 1,7 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 124 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation wite (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor or sossection (wire) 0,75 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 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 <td< td=""><td>Material wire insulation</td><td>PP</td></td<>	Material wire insulation	PP
Outer diameter tolerance core insulation \pm 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freePrinting color of wire insulationwhite (isolation black)Amount strands (wire)42Diameter of single wires0,15 mmConductor cossesceion (wire)0.75 mm ² Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - acket)2,5 kV @ 60 sPower frequency withstand voltage (wire - dex class)2,5 kV @ 60 sOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)60 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOf	Amount wires	3
Shore hardness wire insulation 74 ± 3 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 rosssection (wire) 0.75 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (min. wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - acket) 2.5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C <t< td=""><td>Outer diameter insulation</td><td>1,7 mm</td></t<>	Outer diameter insulation	1,7 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 rossesection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 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 - inc) 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 (static) -20 °C @ 10000 h Operation Operating temperature (static) -20 °C @	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 crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 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 win. 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 - 2.5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) 60 °C / 90 °C @ 10000 h Operation Flame resistance <td>Shore hardness wire insulation</td> <td>74 ± 3 Shore D</td>	Shore hardness wire insulation	74 ± 3 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)5 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)to DIN VDE 0298-4Current load capacity (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - apacting temperature (static))-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 IEC 60332-22 UL 1581 § 1090Chemical 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 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 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 (standard) to DIN VDE 0298-4 Current load capacity (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - lacket) 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 U 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 <	Printing color of wire insulation	white (isolation black)
Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 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 (standard) 25 KV @ 60 s 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) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) -25 °C Operating temperature emax. (dynamic) -25 °C Operating temperature max. (dynamic) 5 × Outer diameter Elacer cisitance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing <t< td=""><td>Amount strands (wire)</td><td>42</td></t<>	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 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 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) 40 °C 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 min. (dynamic) -25 °C Operating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Glassine resistance Good, application-related testing Oil resistance Good, ap	Diameter of single wires	0,15 mm
Conductor type (wire)strand class 6Traversing distance (C-track)5 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)26 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 (ixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2.2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testing IDIN EN 60811-404Bending radius (fixed)5 × Outer diameterBending radius (kixed)5 × Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion speed35 cycles/min	Conductor crosssection (wire)	0,75 mm²
Traversing distance (C-track)5 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 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 (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 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGoil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDil resistanceGood, application-related testingDil resistanceGood, application-related testingNo. of bending radius (fixed)5 x Outer diameterNo. of bending rodus (chrack)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion speed35 cycles/min	Material conductor wire	Stranded copper wire, bare
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 - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2,5 kV @ 60 s Nin. 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 Guod, application-related testing Gasoline resistance Good, application-related testing Oil rosion cycles 10 Nio. @ 25 °C No. of bending cycles (C-track)	Conductor type (wire)	strand class 6
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 - 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 (isted) 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 UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing No. of bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 No. @ 25 °C No. of torsion cycles 1 Mio. Torsion speed 35 cycles/min	Traversing distance (C-track)	5 m @ 25 °C horizontal
Current 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 OperationFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceI ox Outer diameterBending radius (fixed)5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion speed35 cycles/min	Nominal voltage AC max.	300 V
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 Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing No. of bending cycles (C-track) 10 Mio. @ 25 °C	Current load capacity (standard)	to DIN VDE 0298-4
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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 OperationFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingNo. of bending cycles (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion speed35 cycles/min	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 OperationFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion speed35 cycles/min	AC withstand voltage (wire - wire)	2,5 kV @ 60 s
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No. of bending cycles (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion speed35 cycles/min		5 x Outer diameter
No. of torsion cycles 1 Mio. Torsion speed 35 cycles/min	Bending radius (dynamic)	10 x Outer diameter
Torsion speed 35 cycles/min	No. of bending cycles (C-track)	10 Mio. @ 25 °C
		1 Mio.
Torsion stress ± 360 °/m	Torsion speed	35 cycles/min
	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: 2024-05-02

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