

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

PUR 3x0.75 gy UL/CSA 0.3m

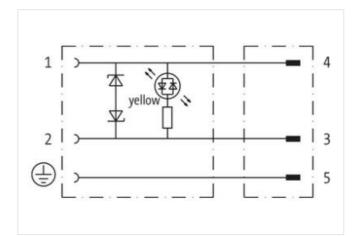
Form B (10 mm) – M12, male 90° 24 V AC ±20% / DC ±25% LED and suppression Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

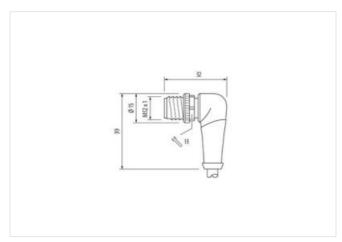
Link to Product

Illustration









Product may differ from Image



Cable length	0,3 m	
Side 1		
Tightening torque	0,4 Nm	

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: 2024-05-22

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Thread	МЗ
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	
ECLASS-6.0 ECLASS-6.1	27279218
ECLASS-0.1 ECLASS-7.0	27279218 27279218
ECLASS-7.0 ECLASS-8.0	27279218
ECLASS-9.0	27060312
ECLASS-9.0 ECLASS-10.1	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879147347
Packaging unit	1
Electrical data	
Drop-out delay time max.	20 ms
Electrical data Supply	
Operating voltage AC	24 V
Operating voltage AC min.	19,2 V
Operating voltage AC max.	28,8 V
Operating voltage DC	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
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Rated surge voltage	0,8 kV
Mechanical data Material data	
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.
	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	

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Cable identification 28 Cable Type 1 2 Cable Type 1 2 Cable Corr gray Type of Cartificate cURus Amount stranding 1 Stranding 3 wites twisted wite atmagement black 1, black 2, green-yellow Cable weight 55,3 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom Trom ingredients (gacket) 5.3 mm Tolerance outer duranter (shouth) 1 5 % Material Inner jacket PVC Material Inner jacket PVC Material Inner jacket PVC Material Inner jacket PVC Material Inner jacket 9 % Shore hardness wire insulation 1,8 mm Outer diameter insulation 1,8 mm Outer diameter insulation 43 ± 5 Shore D Ingredient tereness wire insulation 43 ± 5 Shore D Ingredient tereness wire insulation 43 ± 5 Shore D Moret at datase in tereness wire insulation 43 ± 5 Shore D	wire arrangement	black 1, black 2, green-yellow
Jacket Color gray Type of Certificate CURus Anount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Cable weigh 55.33 grin Matorial jackat PUR Shore harchees jacket 85 ± 5 Shore A Freedom from ingredients (jacket) Isad-hee, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5.9 mm Tolerance surf cameter (jacket) 5.9 from Matorial inner jackat PVC Material inner jackat 9.40 Outer diameter tolerance oure insulation 1.5 % Store hardness wire insulation 43 ± 5 Shore D Store hardness wire insulation 43 ± 5 Shore D Ingredient treeness wire insulation 43 ± 5 Shore D Conductor yrein insulation 15 % Conductor yrei	Cable identification	226
Type of Cartificate cURus Amount stranding 1 Stranding 3 wires livisled wire arrangement black 1, black 2, green yellow Cable weight 55.33 gim Material jacket PUR Shore hardness jacket 85.15 Shore A Freedom from ingredients (jacket) 163 f. Shore A Outer -diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) 1.5 % Material jacket PVC Amount straiding 9.0 mm Outer diameter insulation PVC Amount wires 3 Outer diameter insulation 1.8 mm Outer diameter insulation 43.5 5 Shore D Tiggedient Herenes wire insulation 43.5 Shore D Tiggedient Herenes wire insulation kas 6 Conductor crosssection (wire) 0.75 mm² Conductor wires Stranded copper wire, bare Conductor vippe (wire) stranded copper wire, bare Conductor vippe (wire) Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conducto	Cable Type	2
Amount stranding 1 Stranding 3 wires bislated Wire arrangement Back 1, black 2, green-yellow Cable weight 55.33 g/m Material jacket PUR Shore hardness jacket PS 5 55 brore A Freedom from ingredents (gacket) lead-free. cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (gacket) 5.9 mm Tolerance outer diameter (breath) 5 % Material inner jacket PVC Amount stranding 1.8 mm Outer diameter tinsulation 1.8 mm Outer diameter tinsulation 43 ± 5 Shore D Ingredent freeness wire insulation 43 ± 5 Shore D Ingredent freeness wire insulation 1.8 mm Conductor rows 0.15 mm Conductor rows 0.15 mm ² Conductor rows 0.15 mm ² Conductor rows 0.175 mm ² Conductor rows 0.10 MDE 0298-4 Current load capacity (standard) 10 DIV DE 0298-4 Current load capacity (standard) 10 DIV DE 0298-4 Current load capacity (standard) 26 DKm @ 20 °C <td>Jacket Color</td> <td>gray</td>	Jacket Color	gray
Stranding 3 wires twisted wire arrangement black 1, black 2, green yellow Cable weigh 55.33 g/m Material jacket PUR Store hardness jacket 85 ± 5 Store A Freedom from ingredients (jacket) 16.41/ree, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (jacket) 5.9 mm Outer-diameter isolation PVC Material iner jacket PVC Material wei insulation 1.8 mm Outer diameter isolation 1.8 mm Outer diameter isolation 1.8 mm Outer diameter isolation 43 ± 5 Shore D Ingredient freeness wei insulation 43 ± 5 Shore D Conductor orossection (wire) 0.75 mm ² Diameter of single wires 0.15 mm Conductor orossection (wire) 0.75 mm ² Material concluctor wire Stranded copper wire, bare Conductor orossection (wire) 300 V Current load capacity (standard) to DN VDE 0298-4 Current load capacity (standard) to DN VDE 0298-4	Type of Certificate	
wire arrangement black 1, black 2, green-yellow Cable weight 55.33 g/m Cable weight 55.33 g/m Material Jacket PUR Shore hardness Jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) ± 5 % Material inner jacket PVC Material inner jacket PVC Amount wires 3 Outer diameter insulation 1.8 mm Outer diameter insulation 4.3 t 5 Shore D Shore hardness wire insulation 4.3 t 5 Shore D Ingredient treeness wire insulation 4.3 t 5 Shore D Dameter diameter insulation 4.3 t 5 Shore D Dameter diameter insulation 4.3 t 5 Shore D Dameter diameter insulation 4.42 Dameter diameter insulation 1.5 mm Conductor crosssection (wire) 0.75 mm ² Conductor type (wire) strand-dicase 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298.4 Curent load capacity (Amount stranding	1
Cable weight 55,33 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) ± 5 % Material inner jacket PVC Jouer diameter tolerance core insulation 1.8 mm Outer diameter tolerance core insulation 42 to Shore Partness wire insulation Diameter of single wires 0.15 mm Conductor rossection (wire) 0.75 mm ² Material conductor wire Standed copper wire, bare Cardentor pype (wire) strande case 6 Nominal voltaga AC max. 300 V	Stranding	3 wires twisted
Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 5,9 mm Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material iner jacket PVC Material wire insulation PVC Amount wires 3 Outer diameter (location) 1,8 mm Outer diameter lolerance core insulation 45 % Shore hardness wire insulation 42 ± 5 Shore D Ingredient freeness wire insulation Iad-free, cadmium-free, CFC-free, sillcone-free Amount standk (wire) 42 Dameter of single wires 0,15 mm Conductor rowsesection (wire) 0,75 mm ² Conductor row (wire) stranded cosper wire, bare Conductor row (wire) strande cosper wire, bare	wire arrangement	black 1, black 2, green-yellow
Shore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5.9 mTolerance outer diameter (jacket)5.9 %Material inner jacketPVCMaterial inner jacketPVCMaterial inner jacketPVCMaterial inner jacket5.9 mmOuter diameter (isulation)1.8 mmOuter diameter insulation1.8 mmOuter diameter insulation4.5 5 %Shore hardness wire insulation4.5 5 %Shore hardness wire insulation4.5 5 %Onder of single wires0.15 mmConductor rosssection (wire)0.75 mm²Conductor vireStranded copper wire, bareConductor vireStrande class 6Nominal voltage AC max.300 VCurrent load capacity (sinatard)to DIN VDE 028-4Current load capacity (sinatard)to DIN VDE 028-4Current load capacity min.wire12 AElectrical resistance line constant wire28 D/Km @ 20 °CAC withstand voltage (wire - wire)2 k/ Ø @ 60 sMakerial temperature (fixed)30 °COver statenceDIN EN 162 489-2 AFiame resistanceDIN EN 162 489-2 AFiame resistanceGood, applic	Cable weigth	55,33 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material imer jacket PVC Amount wires 3 Outer diameter insulation 1,8 mm Outer diameter insulation 1,8 mm Outer diameter loerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 42 Diameter of single wires 0.15 mm Conductor crossection (wire) 0.75 mm² Material voltage AC max. 300 V Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ωkm @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Operating temperature (kstalic) -30 °C Max. operating temperature (kstalic) -30 °C Max. operating temperature (kstalic) -30 °C Qurrent load capacity mi	Material jacket	PUR
Outer-diameter (jackat) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material inner jackat PVC Material wine sublation PVC Amount wires 3 Outer diameter Isulation 1.8 mm Outer diameter Isulation 43 ± 5 Shore D Ingredient freeness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation kea/free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 42 Diametor of single wires 0.15 mm Conductor crosssection (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor lage wire outstands 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material inner jacket PVC Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.8 mm Outer diameter lolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Impredient freeness wire insulation 43 ± 5 Shore D Impredient freeness wire insulation 42 Diameter of single wires 0.15 mm Conductor crossection (wire) 0.76 mm² Material conductor wire Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material inner jacket PVC Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.8 mm Outer diameter insulation 45 ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation 44 ± 5 % Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.75 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare 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) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Material temperature (static) -30 °C Operating temperature (static) -50 °C Operating temperature (static) -50 °C Operating temperature (static) -50	Outer-diameter (jacket)	5,9 mm
Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.8 mm Outer diameter one insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free 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 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0288-4 Current load capacity (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - invier) 2 kV @ 60 s Amo. operating temperature (fixed) 80 °C	Tolerance outer diameter (sheath)	± 5 %
Amount wires 3 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation 15 % Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free 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 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/m @ 20 °C AC withstand voltage (wire - 2 kV @ 60 s Power frequency withstand voltage (wire - 2 kV @ 60 s Querating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature min. (dynamic) -5 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance IDIN EN ISO 4892-2 A Flame resistanc	Material inner jacket	PVC
Outer diameter insulation 1.8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free 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) stranded class 6 Nominal voltage AC max. 300 V Current load capacity min. wire 12 A Electrical resistance line constant wire 26 N/W m@ 20 °C AC withstand voltage (wire - 2 kV @ 60 s Power frequency withstand voltage (wire - 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Operating temperature min. (dynamic) -5 °C Operating temperature min. (dynamic) 5 °C Operating temperature min. (dynamic) -5 °C Operating temperature min. (dynamic) -5 °C Operating temperature min. (dynamic) 80 °C	Material wire insulation	PVC
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free 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 Nominal voltage AC max. 300 V Current load capacity (standard) to IN VDE 0298-4 Current load capacity (standard) to IN VDE 0298-4 Current load capacity (standard) to IN VDE 0298-4 Current load capacity wink wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - iacket) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -50 °C Operating temperature max. (dynamic) 65 °C Operating temperature max. (dynamic) 80 °C VI vesistance IN N IN SO 4892-2 A Flame resistance Goo	Amount wires	3
Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free 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 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 - vire) 2 kV @ 60 s Power frequency withstand voltage (wire - is a cccccccccccccccccccccccccccccccccc	Outer diameter insulation	1,8 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to IN VDE 0298-4 Current load capacity (standard) to IN VDE 0298-4 Current load capacity (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Max. operating temperature (tstatic) -30 °C Max. operating temperature (tstatic) -30 °C Operating temperature (tixed) 80 °C Our resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2 : J UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance DIN EN 1604489-2 A Flame resistance Good, application-related testing Gir esistance	Outer diameter tolerance core insulation	±5%
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 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 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) -30 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) -30 °C Max. operating temperature (static) -30 °C Operating temperature (static) -30 °C Operating temperature min. (dynamic) 5 °C Operating temperature min. (dynamic) 50 °C Operating temperature max. (dynamic) 80 °C Oli EN 60832-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2	Shore hardness wire insulation	43 ± 5 Shore D
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 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 Q/km @ 20 °C AC withstand voltage (wire - inc) 2 kV @ 60 s Power frequency withstand voltage (wire - inc) 2 kV @ 60 s Power frequency withstand voltage (wire - inc) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 160811-404 Good, application-related testing Oil resistance DIN EN 1404 Good, application-related testing Gasolin	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Conductor crosssection (wire)0.75 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal 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 kV @ 60 sElectrical resistance line constant wire26 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)-30 °CMax. operating temperature (static)-30 °CMax. operating temperature (static)-30 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 I UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceDIN EN 160 411-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)10 x Outer diameterBending radius (dynamic)15 x Outer diameterNo. of bending cycles (C-track)2 Mio. @ 25 °C	Amount strands (wire)	42
Material conductor vire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) D DIN VDE 0298-4 Current load capacity (standard) 2 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) -30 °C Max. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Goli 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 Bending radius (fixed) 10 x Outer diameter Bending radius (cynamic) 15 x Outer diameter </td <td>Diameter of single wires</td> <td>0,15 mm</td>	Diameter of single wires	0,15 mm
Conductor type (wire)strand class 6Nominal 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 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sNin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1009 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)10 × Outer diameterNo. of bending cycles (C-track)2 Mio. @ 25 °C	Conductor crosssection (wire)	0,75 mm ²
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 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Qoperating temperature min. (dynamic) -5 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Q/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C	Conductor type (wire)	strand class 6
Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Din x Outer diameter Bending radius (dynamic) 15 x Outer diameter Bending ra	Nominal voltage AC max.	300 V
Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 × Outer diameter Bending radius (dynamic) 15 × Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C	Current load capacity min. wire	12 A
Power frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1090 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)10 x Outer diameterBending radius (dynamic)15 x Outer diameterNo. of bending cycles (C-track)2 Mio. @ 25 °C	Electrical resistance line constant wire	26 Ω/km @ 20 °C
jacket)Z IV @ 00 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 06811-404 Good, application-related testingNo. of bending cycles (C-track)2 Mio. @ 25 °C	AC withstand voltage (wire - wire)	2 kV @ 60 s
Max. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)10 x Outer diameterBending radius (commic)15 x Outer diameterNo. of bending cycles (C-track)2 Mio. @ 25 °C		2 kV @ 60 s
Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance 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) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C	Min. operating temperature (static)	-30 °C
Operating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1090 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 testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)10 x Outer diameterBending radius (dynamic)15 x Outer diameterNo. of bending cycles (C-track)2 Mio. @ 25 °C	Max. operating temperature (fixed)	80 °C
UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C		-5 °C
Flame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)10 x Outer diameterBending radius (dynamic)15 x Outer diameterNo. of bending cycles (C-track)2 Mio. @ 25 °C	Operating temperature max. (dynamic)	80 °C
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)10 x Outer diameterBending radius (dynamic)15 x Outer diameterNo. of bending cycles (C-track)2 Mio. @ 25 °C	UV resistance	DIN EN ISO 4892-2 A
Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C	Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C	chemical resistance	Good, application-related testing
Bending radius (fixed)10 x Outer diameterBending radius (dynamic)15 x Outer diameterNo. of bending cycles (C-track)2 Mio. @ 25 °C	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C	Oil resistance	DIN EN 60811-404 Good, application-related testing
No. of bending cycles (C-track) 2 Mio. @ 25 °C	Bending radius (fixed)	10 x Outer diameter
	Bending radius (dynamic)	15 x Outer diameter
Travel speed (C-track) 3,3 m/s	No. of bending cycles (C-track)	2 Mio. @ 25 °C
	Travel speed (C-track)	3,3 m/s

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: 2024-05-22

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