

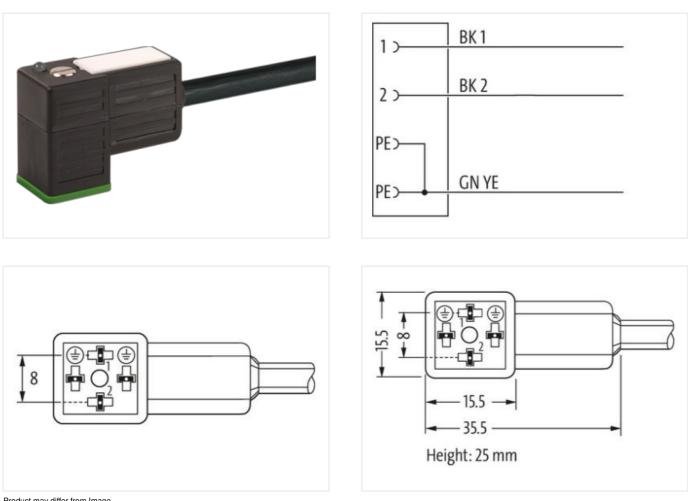
MSUD valve plug C-8mm with cable

PVC 3x0.75 bk 20m

MSUD Form C (8 mm) 0...230 V AC/DC without components 4-pole 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

20 m

Side 1

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: 2024-06-26

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Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	silver-plated
Family construction form	MSUD
Thread	M2.5
Material contact	Copper alloy
No. of poles	4
Side 2	
Stripping length (jacket)	50 mm
Coating contact	silver-plated
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879583428
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	230 V
Operating voltage DC max.	230 V
Current operating per contact max.	6 A
Diagnostics	
Status indication LED	no
Installation Connection	
Stripping length (jacket)	50 mm
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	4 kV
Material group (IEC 60664-1)	1
Mechanical data Material data	
Color housing	black
Material housing	PBT
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.
Installation Cable	

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Cable Ingre 16 Cable Type 1 Printing color of wire insulation while (solation black) Jacket Color black Amount stranding 1 Stranding 3 wires insisted Stranding 5 lack 1, black 2, green yellow Cable weigh 6 la § m Material jacket PVC Strone hardiness jacket PVC Strone hardiness jacket 9 VC Freedom from ingredients (jacket) lasd-free, cadmium-free, OEC-free, silicone-free Outer -dimeter (jacket) 5 % Material insulation 9 VC Amount wires 3 Outer dimeter insulation 1 & mm Outer dimeter insulation 4 5 % Strone hardness wire insulation 4 5 % Nore hardness wire insulation geod machinability Ingredient insulation 4 5 % Torind autor wire insulation 4 5 % Torind autor wire insulation 4 5 % Danet dries wire insulation 4 5 % Conduct drivessecolin (wire) 2 %	wire arrangement	black 1, black 2, green-yellow
Printing color of wire insulation white (isolation black) Jacket Color black Anount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green yellow Cable weigh 61, 6 ym Material jacket PVC Strone hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer diameter (inacket) ± 5 % Material wire insulation PVC Amount vires 3 Outer diameter inaulation 1,8 mm Outer diameter insulation 1,8 mm Outer diameter insulation 1,8 mm Outer diameter insulation 1,8 ts Material properties wire insulation 1,8 ts Printing color of wire insulation 1,8 ts Printing color of wire insulation 1,8 ts Material properties wire insulation 1,8 ts Printing color of wire insulation 1,8 ts Printing color of wire insulation 1,8 ts Material conotlactraids (wire) 2,4 mm <td>Cable identification</td> <td>616</td>	Cable identification	616
Jacker Color black Amount Istranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Cable weight 61.6 g/m Material jacket PVC Shore hardness jackat 80.5 Shore A Freedom from ingredients (jacket) least-free, cadmium-free, CFC-free, silicone-free Outer - diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) 1.5 % Material jacket 9VC Amount Weis 3 Outer diameter insulation 1.8 mm Outer diameter insulation 1.8 frm Outer diameter tolerance core insulation 1.8 % Material properties wire insulation 1.8 frm Outer diameter tolerance core insulation 1.8 dr Ingredient freeness wire insulation 1.8 dr Ingredient freeness wire insulation 4.3 tore D Material conductor wire insulation 1.8 mm Conductor creassection (wire) 0.2 mm Conductor resolution wire insulation Materia Conductor wire insulation wire insulati	Cable Type	1
Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, group vyllow Cable weight 61.6 g/m Material jacket PVC Shore hardness jacket 09.5 5 Shore A Freedom from ingredients (jackot) lead-free, cadmium-free, CFC free, silcone-free Outer diameter (factot) 5.5 mm Tolarance cuter diameter (factot) 5.5 % Material inverimeter (factot) 5.5 % Outer diameter (factot) 5.5 % Material wire insulation 1.8 mm Outer diameter trienalition 1.8 mm Outer diameter trienalition 4.3 t.5 Shore D Material properties wire insulation good machinability Ingredient treenses wire insulation good machinability Ingredient treenses wire insulation bacatro to bacatro bacatro Printing color of wire insulation bacatro to bacatro Material properties wire insulation bacatro to bacatro Material conductor wire Stranded copper wire, bare Conductor resoscalion (wire) 0.7 fm ³ Material conductor wire	Printing color of wire insulation	white (isolation black)
Stranding 3 wires twisted wire arrangement black 1, black 2, green yellow Cable weigh 61, 6 g/m Material jacket PVC Strone hardness jacket 80 ± 5 Shore A Freedom from ingrotients (jacket) 164 free, cashium-free, CFC-free, silicone-free Outer diameter (jacket) 5,9 mm Tolerance outer diameter (jacket) 5,9 mm Outer diameter insulation PVC Amount wires 3 Outer diameter insulation 1,8 mm Outer diameter insulation 43 ± 5 Shore D Material wire insulation 43 ± 5 Shore D Material properities wire insulation white (solation black) Amount stands (wire) 24 Diameter of single wires 0.2 mm Conductor crosssection (wire) 50 V Max. rated voltage (conductor - conductor) 500 V <	Jacket Color	black
wire arrangement black 1, black 2, green yellow Cable weight 61.6 g/m Cable weight 61.6 g/m Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (gacket) lead-free, cadmium-free, CFC-free, silicone-free Outer diameter (gacket) ± 5 % Material incut of diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter (insulation 1.8 mm Outer diameter insulation ± 5 % Shore hardness wire insulation god machinability Ingredient treeness wire insulation iead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0.2 mm Conductor rossection (wire) 51 stranded copper wire, bare Conductor vise (standard) to DIN VDE 0298-4 Curent load capacity min, wire 12 A	Amount stranding	1
Cable weight 61.6 g/m Material jacket PVC Shore hardness jacket 80 ± 5 shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.8 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 4.9 ± 5 shore D Material properties wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing oobr of wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing oobr of wire insulation white (solation black) Amount strands (wire) 24 Damater of single wires 0,2 mm Conductor row (wire) Strand caps F Material properitor 0,75 mm² Conductor wire Strand caps F Current daw onlage (conductor - conductor) 500 V Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current cad	Stranding	3 wires twisted
Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) 6,9 mm Outer diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter (sheath) ± 5 % Shore hardness wire insulation 1,8 mm Outer diameter insulation 43 ± 5 Shore D Material properties wire insulation 43 ± 5 Shore D Material properties wire insulation iead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation lead-free, cadmium-free, CFC-free, silicone-free Material conductor wire Stranded copper wire, bare Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor vire Strand class 5 Max. rated voltage (conductor - contuch) 500 V Max. rated voltage (conductor - contuc	wire arrangement	black 1, black 2, green-yellow
Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer diameter (jacket) 5.9 m Tolerance outer diameter (sheat) 1.5 % Matorial wire insulation PVC Amount wires 3 Outer diameter insulation 1.8 mm Outer diameter insulation 4.5 % Shore hardness wire insulation 4.8 mm Ingredient freeness wire insulation tead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0.2 mm Conductor crossection (wire) 0.75 mm² Material conductor wire Stranded coppor wire, bare Conductor type (wire) Stranded copport wire, bare Conductor wire Stranded copport	Cable weigth	61,6 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.8 mm Outer diameter insulation 4.3 ± 5 Nore D Material wire insulation 43 ± 5 Shore D Material properties wire insulation good machimability Ingredient freeness wire insulation good machimability Ingredient freeness wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0.2 mm Conductor rossection (wire) 0.75 mm ³ Material conductor wire Strand dooper wire, bare Conductor rossection (wire) 0.075 mm ³ Material go conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current l	Material jacket	PVC
Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter (sheath) ± 5 % Material wire insulation 1.8 mm Outer diameter lolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0.2 mm Conductor trokesection (wire) 0.75 mm² Material conductor wire Strand class 5 Max. rated voltage (conductor - orgound) 300 V Current load capacity min. wire 12 A Electrical resistance line constant wire 26 O/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s Power trequency withstand voltage (wire - igacket) 3 kV @ 60 s Min. operating temperature min. (dynamic) 5 °C Operating	Shore hardness jacket	80 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % 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 Material properties wire insulation god machinability Ingredient freeness wire insulation lead-tree, cadmium-free, CFC-tree, silicone-tree Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0.2 mm Conductor rossesction (wire) 0.75 mm² Material conductor wire Strand class 5 Conductor rossesction (wire) 500 V Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - conductor) 500 V Current load capacity (standard) to DI N VDE 0298-4 Current load capacity (standard) to DI N VDE 0298-4 Current load capacity (standard) to DI N VDE 0298-4 Current load capacity (standard) to DI N VDE 0298-4 Current load capacity (standard) to DI N VDE 0298-4 Current load capacity (standard) to D	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material wire insulation PVC Amount wires 3 Outer diameter insulation 1,8 mm Outer diameter folerance core insulation 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation god machinability Ingredient freeness wire insulation god machinability Ingredient freeness wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0,2 mm Conductor crosssection (wire) 0,75 mm ² Material conductor wire Stranded copper wire, bare Conductor vice apacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire) 3 kV @ 60 s Current load capacity (wire wire) 3 kV @ 60 s Power frequency withstand voltage (wire - jacket) 3 kV @ 60 s Max. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Max. operating temperature (static) -5 °C Operating temperature min. (dynamic) -5 °C O	Outer-diameter (jacket)	5,9 mm
Amount wires 3 Outer diameter insulation 1.8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation good machinability Ingredient freeness wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0.2 mm Conductor crosssection (wire) 0.75 mm² Material conductor wire Strand class 5 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) <td>Tolerance outer diameter (sheath)</td> <td>±5%</td>	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0.2 mm Conductor crosssection (wire) 0.75 mm² Material properties (conductor - ground) 300 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wini) 3 kV @ 60 s Power frequency withstand voltage (wire - iaz (standard)) 3 kV @ 60 s Power frequency withstand voltage (wire - iaz (standard)) -5° C Operating temperature (fixed) 70 °C Operating temperature (static) -30 °C Max. operating temperature (fixed) 70 °C Operating temperature min. (dynamic) 5° C Operating tempe	Material wire insulation	PVC
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmum-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0.2 mm Conductor wire Stranded copper wire, bare Conductor wire Strand class 5 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - wire) 3 kV @ 60 s Power frequency withstand voltage (wire - wire) 3 kV @ 60 s Power frequency withstand voltage (wire - wire) 3 kV @ 60 s Min. operating temperature (static) -30 °C Quereating temperature (static) -50 °C Operating temperature min. (dynam	Amount wires	3
Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0.2 mm Conductor cosssection (wire) 0.75 mm² Material conductor wire Strand class 5 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wine) 3 kV @ 60 s Power frequency withstand voltage (wire - igack) 3 kV @ 60 s Power frequency withstand voltage (wire - igack) 3 kV @ 60 s Max. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Max. operating temperature (fixed) 70 °C Operating temperature (static) -30 °C Max. operating temperature (fixed) 70 °C Operating temperature (static) -5 °C Operating temperature (fixed) <td>Outer diameter insulation</td> <td>1,8 mm</td>	Outer diameter insulation	1,8 mm
Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0.2 mm Conductor crosssection (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 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 NIV DE 0298-4 Current load capacity (standard) to NIV VDE 0298-4 Current load capacity (standard) to NIV W @ 00 °C AC withstand voltage (wire - wire) 3 kV @ 60 s Power frequency withstand voltage (wire - wire) 3 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (ixed) 70 °C Operating temperature (ixed) 70 °C Operati	Outer diameter tolerance core insulation	±5%
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0,2 mm Conductor crossection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded class 5 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Max operating temperature (static) -30 °C Max operating temperature (static) -30 °C Max. operating temperature (static) 70 °C </td <td>Shore hardness wire insulation</td> <td>43 ± 5 Shore D</td>	Shore hardness wire insulation	43 ± 5 Shore D
Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0.2 mm Conductor crosssection (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V 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) 3 kV @ 60 s Power frequency withstand voltage (wire - jacket) -3 kV @ 60 s Max. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Operating temperature (static) -5 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Operating temperature max. (dynamic) 70 °C Operating temperature max. (dynamic) 70 °C Operating temperature max. (dynamic) <t< td=""><td>Material properties wire insulation</td><td>good machinability</td></t<>	Material properties wire insulation	good machinability
Amount strands (wire)24Diameter of single wires0,2 mmConductor crosssection (wire)0,75 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Max. rated voltage (conductor - conductor)500 VMax. rated voltage (conductor - or ound)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 (wine - wire)3 kV @ 60 sPower frequency withstand voltage (wire - wire)3 kV @ 60 sPower frequency withstand voltage (wire - apacity (standard))-30 °CMax. operating temperature (static)-30 °CMax. operating temperature (static)-30 °CMax. operating temperature (static)-50 °COperating temperature (static)-50 °COperating temperature (static)-70 °COperating temperature (static)-70 °COperating temperature max. (dynamic)70 °COperating temperature	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Diameter of single wires0,2 mmConductor crosssection (wire)0,75 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Max. rated voltage (conductor - conductor)500 VMax. rated voltage (conductor - ground)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 min. wire12 AElectrical resistance line constant wire26 Q/km @ 20 °CAC withstand voltage (wire - wire)3 kV @ 60 sPower frequency withstand voltage (wire - jacket)3 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)70 °COperating temperature (mixed)70 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, 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 5Max. rated voltage (conductor - conductor)500 VMax. rated voltage (conductor - ground)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 min. wire12 AElectrical resistance line constant wire26 Ω/km @ 20 °CAC withstand voltage (wire - wire)3 kV @ 60 sPower frequency withstand voltage (wire - jacket)3 kV @ 60 sMax. operating temperature (static)-30 °CMax. operating temperature (fixed)70 °COperating temperature (ixed)70 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related t	Amount strands (wire)	24
Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 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) 3 kV @ 60 s Power frequency withstand voltage (wire - jacket) 3 kV @ 60 s Nin. operating temperature (static) -30 °C Max. operating temperature (fixed) 70 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C UV resistance DIN EN ISO 4892-2 A 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 DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Diameter of single wires	0,2 mm
Conductor type (wire)Strand class 5Max. rated voltage (conductor - conductor)500 VMax. rated voltage (conductor - ground)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)3 kV @ 60 sPower frequency withstand voltage (wire - jacket)3 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)70 °COperating temperature max. (dynamic)-5 °COperating temperature max. (dynamic)70 °CUV resistanceDIN EN ISO 4892-2 AFlame 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 diameter	Conductor crosssection (wire)	0,75 mm ²
Max. rated voltage (conductor - conductor)500 VMax. rated voltage (conductor - ground)300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)12 AElectrical resistance line constant wire26 Ω/km @ 20 °CAC withstand voltage (wire - wire)3 kV @ 60 sPower frequency withstand voltage (wire - jacket)3 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)70 °COperating temperature max. (dynamic)-5 °COperating temperature max. (dynamic)70 °CUV resistanceDIN EN ISO 4892-2 AFlame 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 resistanceS × Outer diameter	Material conductor wire	Stranded copper wire, bare
Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s Power frequency withstand voltage (wire - jacket) 3 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 70 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C UV resistance DIN EN ISO 4892-2 A 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 tes	Conductor type (wire)	Strand class 5
Current 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)3 kV @ 60 sPower frequency withstand voltage (wire - jacket)3 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (static)-30 °COperating temperature (fixed)70 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application	Max. rated voltage (conductor - conductor)	500 V
Current load capacity min. wire12 AElectrical resistance line constant wire26 Ω/km @ 20 °CAC withstand voltage (wire - wire)3 kV @ 60 sPower frequency withstand voltage (wire - jacket)3 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)70 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceSo Od, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameter	Max. rated voltage (conductor - ground)	300 V
Electrical resistance line constant wire26 Ω/km @ 20 °CAC withstand voltage (wire - wire)3 kV @ 60 sPower frequency withstand voltage (wire - jacket)3 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)70 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CUV resistanceDIN EN ISO 4892-2 AFlame 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 testingSourceSource diameter	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)3 kV @ 60 sPower frequency withstand voltage (wire - jacket)3 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)70 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceSo Od, application-related testingOil resistanceSo OdOdi resistanceSo Outer diameter	Current load capacity min. wire	12 A
Power frequency withstand voltage (wire - jacket)3 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)70 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceS × Outer diameter	Electrical resistance line constant wire	26 Ω/km @ 20 °C
jacket)S KV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)70 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceSo od, application-related testingOil resistanceSo od, application-related testingOil resistanceSo od, application-related testingOil resistanceGood, application-related testingDin EN 60811-404S x Outer diameter	AC withstand voltage (wire - wire)	3 kV @ 60 s
Max. operating temperature (fixed)70 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)70 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceS × Outer diameter		3 kV @ 60 s
Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C UV resistance DIN EN ISO 4892-2 A 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 Soud, application-related testing Oil resistance Good, application-related testing Outer diameter S x Outer diameter	Min. operating temperature (static)	-30 °C
Operating temperature max. (dynamic)70 °CUV resistanceDIN EN ISO 4892-2 AFlame 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 testingSanceGood, application-related testingOil resistanceS v Outer diameter	Max. operating temperature (fixed)	70 °C
UV resistance DIN EN ISO 4892-2 A 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 DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Operating temperature min. (dynamic)	-5 °C
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 DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Operating temperature max. (dynamic)	70 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	UV resistance	DIN EN ISO 4892-2 A
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter	Gasoline resistance	Good, application-related testing
	Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (dynamic) 10 x Outer diameter	Bending radius (fixed)	5 x Outer diameter
	Bending radius (dynamic)	10 x Outer diameter

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: 2024-06-26

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