

MSUD valve plug A-18mm with cable

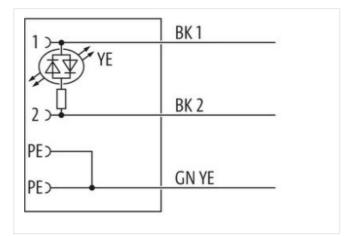
PUR 3x0.75 ye UL/CSA+drag ch. 5m

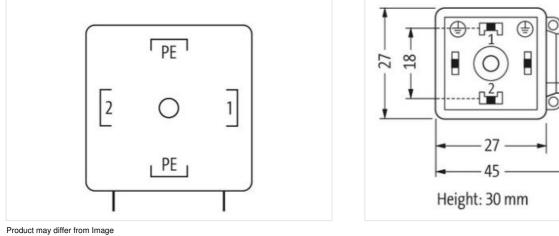
Form A (18 mm) 24 V AC/DC ±25% LED Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product

Illustration









Cable length	5 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: 2024-05-18

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Family construction form	MSUD A
Thread	M3
Material	PBT
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.0 ECLASS-7.0	27279218
ECLASS-7.0	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	4048879195140
Packaging unit	1
Electrical data Supply	
Operating voltage AC	24 V
Operating voltage AC min.	24 V 18 V
Operating voltage AC max.	30 V
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	yellow
Installation Connection	
Mounting set	M3
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Mechanical data Material data	
Coating locking	verzinkt
Coating of fitting	verzinkt
Color housing	black
Locking material	Steel
Material screw connection	Steel
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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wire arrangementblack 1, black 2, generyslowCable Gontino036Cable Gontino036Cable Type9Porting color of wire insulationwhile (isolation black)Cable Type0Type of CartificateclPbusAmount startanding1Stranding3 wires kwistedWire arrangementblack 1, black 2, green-yellowCable weight63.5 g/mMaterial jacket90 E 5 Store AFreedom from ingradients (jacket)00 E 5 Store AFreedom from ingradients (jacket)15.9 mmCable weight5.9 mmCable weight5.9 Store AFreedom from ingradients (jacket)5.9 mmCable and indiver insulation9Amount wires3Cable and indiver insulation1.85 mmCubre diameter (insulation1.85 mmCubre diameter insulation12.5 Store DFreedom from ingradient (jacket)4.2 %Store hardness weir insulation12.5 Store DCandradie wire insulation12.5 Store DCandradie wire insulation12.5 Store DCandradie gold weir insulation12.5 Store D<		
Cable Type S Printing coor of wine insulation white (isolation black) Lacked Cole yellow Type of Cortificate CURus Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green yellow Cable weigh 68.1 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket 90.5 5 hore A Freedom from ingredients (ingolet) 1.86.4 Ke, cadmum-free, CFC-free, halogen-free, silcone-free Outer diameter (inschit) 5.5 % Material vire insulation PP Amount vires 3 Outer diameter insulation 1.6 % % Shore hardness wire insulation 1.6 % % Shore hardness wire insulation 1.8 mm Under diameter insulation 1.9 % % Shore hardness wire insulation 1.8 free Printing coor dwire insulation 1.8 free Pointer Sourd wire insulation 1.8 free Diameter (insulation black) 0.9 from Controt of single wire	wire arrangement	black 1, black 2, green-yellow
Printing cobor of wire insultation white (isolation black) Jacket Color yellow Type of Certificate uPLike Amount Istanding 1 Stranding 3 wires hvisted wire arrangement black 1, black 2, green yellow Cable weigh 56.1 g/m Material jacket PUR Stroke finandersis jacket PUR Stroke finandersis jacket PUR Outer diameter (iacket) 5.9 mm Tolerance outer diameter (iacket) 5.9 mm Outer diameter (iacket) 5.8 ks Material wise insulation PP Amount wires 3 Outer diameter insulation 1.8 frm Outer diameter insulation 1.8 frm Outer diameter insulation 1.8 frm Outer diameter insulation 1.5 frm Conductor represention multiple wires 0.1 frm Conductor represention insulation white (isolation black) Armount strands (wire) 0.2 frm Conductor represention white (isolation black) Content orepresentin strusulation Materi	Cable identification	036
Jacket Color yellow Type of Certificate cLRus Amount stranding 1 Stranding 3 wires kvisted Wrier arrangemant black 1, black 2, green-yellow Cable weigh 56,1 g/m Matterial jacket PUR Shore hardness jacket 90,5 Shore A Freedom from ingredients (jacket) Isaat-tree, cadmium-free, CFC-free, halogen-free, silicone-free Outer diamoter (jacket) 5,5 mm Tolerance outer diamoter (stratult) 1,6 % Matterial twie insulation PP Amount wises 3 Outer diamoter (induction 1,85 mm Outer diamoter insulation 1,85 % Matterial wein insulation TP 2 Freidem treeness wire insulation 1,85 % Store bardness wire insulation 1,85 % Cadre diamoter insulation 1,85 % Matterial conductor weinscalation 45 % Diameter of single wires 0,15 mm Canductor strassection in wire 0,15 mm Canductor types (wire) 0,15 mm ² Canductor types (w	Cable Type	3
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Amount stranding 1 Stranding 3 wires twisted Weie arrangement black 1, black 2, green-yellow Cable weight 56,1 g/m Material jackat PUR Share hardness jacket 90 ± 5 Shore A Foreedmin fram ingredients (acket) lead-free, cadmum-free, CFC-free, halogen-free, silicone-free Outer-diameter (indexe) 1 ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1.85 mm Outer diameter wire insulation 1.9 5 Shore D Ingredient freeness wire insulation 1.9 5 Shore D Ingredient freeness wire insulation 1.9 5 Shore D Ingredient freeness wire insulation 1.80 frm Outer diameter tolerance core insulation 1.9 5 Shore D Ingredient freeness wire insulation Wein [solation black] Amount wires 0.75 mm Conductor missection. (wire) 42 Diameter of single wires 0.15 mm Conductor wires detion. 0.15 mm Conductor wires Standed copper wire, bare Conductor wires<	Jacket Color	yellow
Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Cable weigh 66,1 ym Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 6.8 rpm Tolerance outer diameter (jacket) 5.9 rm Tolerance outer diameter (jacket) 5.9 rm Outer diameter instalation PP Amount wires 3 Outer diameter instalation 1.85 rm Outer diameter instalation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Fingredient freeness wire insulation white (isolation black) Amount strands (wire) 4.2 Diameter of singre wire insulation white (isolation black) Amount strands (wire) 0.75 rmm ² Conductor wire Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor wire (wire) 0.75 mm ² Conductor wire (wire) 0.75 mm ² Conductor wire (wire) 0.76 mm ² Conductor wire (wire) 0.76 mm ² Conductor wire (wire) 0.76 mm	Type of Certificate	cURus
wire anangement black 1, black 2, green-yellow Cable weigh 66, grin Material jacket PUR Shore hardness jacket 90:15 Shore A Freedom from ingredients (jacket) lead free, cadmium-free, CFC free, halogen-free, allicone-free Outer diameter (jacket) 5.9 mn Tolerance outer diameter (jacket) 5.9 mn Tolerance outer diameter (jacket) 5.5 % Amount Wires 3 Outer diameter insulation 1.85 mm Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, allicone-free Printing color of wire insulation wire (solation black) Amount stands (wire) 42 Diameter of single wires 0,15 mm Conductor type (wire) stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Conductor type (wire) 2.5 kV @	Amount stranding	1
Cable weight 56,1 g/m Matorial packet PUR Shore hardness jacket 90,5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (shalls) 5.5 % Matorial wire insulation PP Armount wires 3 Outer diameter insulation 1.85 mm Outer diameter insulation 1.65 mm Ingredient freeness wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity fraint andri 12 A Electrical resistance line constant wire 2.5 kV @ 60 s Matorial conducter wire 2.5 kV @ 60 s Minor oparating temperature (static)	Stranding	3 wires twisted
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 5.9 mm Tolerance outer diameter (jacket) 5.9 mm Material wire insulation PP Amount wires 3 Outer diameter insulation 1.85 mm Outer diameter insulation 1.85 mm Outer diameter insulation 70 ± 5 Shore D Ingredient feeness wire insulation Iea 5 % Shore hardness wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor trossection (wire) 0.75 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strande class 6 Nominal voitage 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 (standard) to DIN VDE 029	wire arrangement	black 1, black 2, green-yellow
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-tree, cadmum-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) ± 5 % Material we'n insulation PP Amount wires 3 Outer diameter (solved) 1.85 mm Outer diameter (solved) 1.85 mm Outer diameter tolerance core insulation 1.85 mm Outer diameter tolerance core insulation 1.95 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1.95 % Shore hardness wire insulation 1.95 % Material conducts (wire) 4 ± 2 Diameter of single wires 0.15 mm Conductor crossocial (wire) 0.75 mm ² Orditor trans decopper wire, bare Conductor wire Conductor trave Starm deass 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DN VDE 0298-4 Current load capacity (standard) to DN VDE 0298-4 Current load capacity (wire) 2.5 kV @ 60 s Power forequancy withetar voltage (wire - vie)	Cable weigth	-
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 5,9 mm Tolerance outer diameter (jacket) 5,9 mm Material wire insulation PP Amount wires 3 Outer diameter (isolation 1,85 mm Outer diameter (isolation 1,55 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor research 0,75 mm ² Conductor vire (wire) strande class 6 Nominal voltage AC max. 300 V Current load capacity (kinderd) to DIN VDE 0298-4 Current load capacity (kinderd) to DIN VDE 0298-4 Current load capacity (wins) 2,5 KV @ 60 s Max. operating temperature (kind) 40 °C Max. operating temperature (kind) 80 °C / 90 °C @ 10000 h Operation Operating temperature (kind) 80 °C / 90 °C @ 10000 h Operation Operating temperature (kindic) 80 °C / 90 °C @ 10000 h Operation<	Material jacket	PUR
Outer-diameter (acket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter rolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation wire insulation 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 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0284-4 Current load capacity (mixer) 2,5 kV @ 60 s Min. operating temperature (stalle) </td <td>Shore hardness jacket</td> <td>90 ± 5 Shore A</td>	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Anount wires 3 Outer diameter Insulation 1.85 mm Outer diameter Iolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation white (loalidon black) Amount wires 0.15 mm Conductor crosssection (wire) 0.75 mm ² Material conductor wire Stranded copper wire, bare Conductor crosssection (wire) 0.75 mm ² Material conductor wire Stranded copper wire, bare Conductor (wire) 0.75 mm ² Conductor (wire) stranded copper wire, bare Conductor (wire) 0.75 mm ² Conductor (wire) stranded copper wire, bare Conductor (wire) 0.75 mm ² Conductor (wire) 0.75 mm ² Conductor (wire) stranded cosper Conductor (wire) 0.75 mm ² Conductor (wire) stranded cosper Conductor (wire) str	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 3 Outer diameter insulation 1.85 mm Outer diameter insulation 2.5 % Shore hardness wire insulation 70.4 5 Shore D Ingredient freeness wire insulation 10.45 mm Printing color of wire insulation wite (solation black) Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor crossection (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor vire (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (strandard) b DIN VDE 0298-4 Current load capacity (strandard) b DIN VDE 0298-4 Current load capacity (wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - inter) 2.5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -0 °C </td <td>Outer-diameter (jacket)</td> <td>5,9 mm</td>	Outer-diameter (jacket)	5,9 mm
Amount wires 3 Outer diameter insulation 1.85 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation White (isolation black) Amount wires 0.15 mm Conductor crosssection (wire) 0.75 mm² Conductor rosssection (wire) 0.75 mm² Conductor vire insulation Stranded copper wire, bare Conductor vire (wire) Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard)	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1.85 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Imgredient Treeness wire insulation lead-tree, 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 or sossection (wire) 0,75 mm ² Material conductor wire Stranded copper wire, bare Conductor toge (wire) 0,75 mm ² 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) 2,5 kV @ 60 s Power frequency withstand voltage (wire - ingle & 0/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Min. operating temperature (istatic) 40 °C Max. operating temperature (istatic) 40 °C Max. operature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Operating temperature (istatio) 40 °C Gasoline resistance	Material wire insulation	PP
Outer diameter tolerance core insulation \pm 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationwhile (solation black)Amount strands (wire)42Diameter of single wires0,15 mmConductor cossection (wire)0,75 mm²Material conductor wireStranded copper wire, bareConductor vipe (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 (mire)2,5 kV @ 60 sPower frequency withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - wire)2,5 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (static)40 °C @ 10000 h OperationOperating temperature (static)80 °C / 90 °C @ 10000 h OperationOperating temperature (static)60 °C @ 10000 h OperationOperating temperature (static)5 °C C @ 10000 h OperationOperating temperature (static)5 °C C @ 10000 h OperationOperating temperature (static)10 °C 2 °C @ 10000 h OperationOperating temperature (static)5 °C (static)BasilanceGood, application-related testingOli resistanceGood,	Amount wires	3
Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor 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) 2,5 kV @ 60 s Power frequency withstand voltage (wire - iter) 2,5 kV @ 60 s Power frequency withstand voltage (wire - iter) 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) -25 °C Operating temperature (static) 5 x Outer diameter Electrical resistance Good, application-related testing Gasoline resistance Good, application-related testing	Outer diameter insulation	1,85 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor rossesciton (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) 2,5 kV @ 60 s Power frequency withstand voltage (wire) 2,5 kV @ 60 s Power frequency withstand voltage (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) -25 °C Operating temperature (static) -25 °C Operating temperature (static) 5 x Outer diameter Eladiction-related testing Good, application-related testing Oil resistance Good, application-related testing Operating temperature (fixed) 5 x Cuter diameter	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 Nominal voltage AC max. 300 V 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 - icace data data data) 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) 80 °C / 90 °C @ 10000 h Operation Flame resistance Good, application-related testing	Shore hardness wire insulation	70 ± 5 Shore D
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 (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Jk/m @ 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. operature (inced) 80 °C / 90 °C @ 10000 h Operation Operating temperature (inced) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Git resistance Good, application-related testing IDIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Diameter of single wires0.15 mmConductor 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)26 Ω/km @ 20 °CAC withstand voltage (wire - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire - acket)2.5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CQor C 0 °C 0 °C 0 °C 0 °C 0 °C 00000 h OperationOperating temperature (static)-25 °COperating temperature (static)80 °C / 90 °C @ 10000 h OperationFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingDil resistanceGood, application-related testingBending radius (fixed)5 x Outer diameterBending radius (kixed)5 x Outer diameterNo. o bending cycles (C-track)10 Mio. @ 25 °CTraver sign distance (C-track)10 Mio. @ 25 °CTraver s	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 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 (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 - acket) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-relate	Amount strands (wire)	42
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 - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2.5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1100 ΓT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Oil resistance Good, application-related testing	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)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (wire)2,5 °COperating temperature (ixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDi ray of the may context of the matterNo. of bending radius (fixed)5 × Outer diameterNo. of bending radius (chrack)10 m @ 25 °CTraver speed (C-track)10 Mis @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Conductor crosssection (wire)	0,75 mm ²
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire12 AElectrical resistance line constant wire26 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (min. (dynamic))-25 °COperating temperature max. (dynamic)-80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingNo. of bending radius (fixed)5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25	Material conductor wire	Stranded copper wire, bare
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)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 (static)-25 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing<	Conductor type (wire)	strand class 6
Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Q/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 UL 1581 § 1090 IEC 60332-2-2 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 Traversing distance (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Taversing citance (C-track) 3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 18	Nominal voltage AC max.	300 V
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Torsion speed 35 cycles/min		
	Torsion speed	35 cycles/min

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