

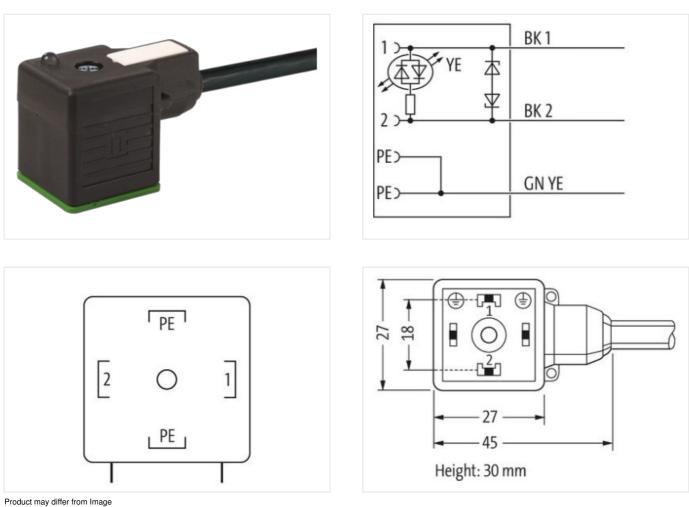
MSUD valve plug A-18mm with cable

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

MSUD Form A (18 mm) 24 V AC ±20% / DC ±25% LED and suppression Bridged PE 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

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: 2024-04-27

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Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Family construction form	MSUD A
Thread	M3
Material	PBT
Degree of protection (EN IEC 60529)	IP67
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	4048879193481
Packaging unit	1
Electrical data	
Capacity CX	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.	15 mA
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)	I
Additional suppressor	Diode, Z-Diode
Mechanical data Material data	
Coating locking	verzinkt
Coating of fitting	verzinkt
Color housing	black
Material gasket	PUR
Locking material	Steel
Material screw connection	Steel
Mechanical data Mounting data	
Mounting method	inserted, screwed
Environmental characteristics Climati	ic

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Cynelling inspectation mix. 65 °C Additional condition temperature range depending on cable quality Rabilise information temperature range 656 Cable information temperature range While (solitation black) Jacket Cobr black Type of Centradic CUBus Anount transding 1 Stransing Stransing Vine arrangement black 1, black 2, green-yellow No. of banding cycles (C-track) 10.06 @ 25 °C Cable weight 56.1 grm Cable weight 56.1 grm Cable weight 56.1 grm Cable densition from ingredients (solitation 90.5 Stron A Freedom from ingredient (solitation 55.1 grm Cable densition indication 70.5 grm Cable densition indication 70.5 grm Cable densition indication 70.5 Strone A Freedom from indication	Operating temperature min.	-25 °C
Additional condition temperature range depending on cable quality installation (Cable Cable installation Cable installation		
Institution (Cable Cable Institution 666 Cable Type 3 Printing color of wire Insulation White (cablion black) Locked Color black Type of Carificate culPus Arround stranding 1 Nor of branding cypes (C-track) 10 Mole Q: 57 O Cable weigh 56,1 pim Material Locket PUR Store branding cypes (C-track) 10 Mole Q: 57 O Cable weigh 56,1 pim Material Locket PUR Store branding cypes (C-track) 10 Store A Freedom from Ingredients (Locket) 92 F S Store A Freedom from Ingredients (Locket) 59 mm Outer diameter (cheath) 5 S Store A Toterance core insulation 97 F S Store A Toterance core insulation 10 S m Outer diameter from ingredients (Locket) 4 S % Store hardness weir insulation 4 S % Darder diameter insulation 4 S % Cord color weir insulation 4 S % Store fordores wein insulation 4 S % <td< td=""><td></td><td></td></td<>		
Cable identification 638 Cable Type 3 Cable Type 3 Printing color of wite insultation white (isolation black) Jacket Color black Type of Cartificate cURus Annual stranding 1 Stranding wites twisted Wite arrangement black 1. black 2. groon yollow Ne. of bending cycles (C-track) 10 Mo. @ 25 °C Cable weight 56, 1 g/m Material Lack 9 L 5 Shore A Freedom from ingredients (schell) 1 a 5 % Material ware insultation PUF Arround transchellers (schell) 1 a 5 % Material ware insultation PP Arround transchellers (schell) 1 a 5 % Shore hardness wire insultation 7 b 5 % Pro Darder dimeter biorance core insultation 7 b 5 % Shore hardness wire insultation 7 b 5 % Pro Shore hardness wire insultation 7 b 5 % Pro Darater of angle wires 0 15 mm Cord ductor increases wire insultation 1 b 5 % Materid and angle (C-t		depending on cable quality
Gabb Type 9 Printing coir of wire insulation white (isolation black) Jacket Color black Type of Carificate JURus Amount stranding 1 Stranding 3 wires missied Wire arrangement black 1, black 2, groen yellow No. of bending cycles (C+track) 10 Mo. @ 25 °C Cable weigh 55.1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 5.8 m Catale weigh 5.8 m Talerance cuter diameter (instalt) 4.5 % Material jacket PUR Amount wiref 3 Outer diameter instalton PP Amount wiref 3 Outer diameter instalton 1.8 fram Outer diameter instalton 7.0 ± 5 % Shore hardness wire instalton 7.0 ± 5 % Marcel alarket (operance core insulaton 4.5 % Material and wire insulaton 7.0 ± 5 % Parent strand bis wire insulaton 9.0 ± 5 % Dancet		
Printing color of wire insulation white (solation black) Jackat Color black Type of Cafficate URJus Amount stranding 1 Stranding Swise Nvisted wire arrangement black 1, black 2, green-yellow No. of bonding cycles (C+track) 10 Mio. @ 25 °C Cable weigh 56, 1 g/m Material jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 5.9 m Cater diameter (indexti) 5.9 m Order andmeter (indexti) 5.9 m Cater diameter (indexti) 5.9 m Cater diameter (indextion) 1.85 m Cater diameter induction 1.85 mm Cater diameter induction 1.85 mm Cater diameter insulation 7.9 5 Shore D Ingredient freeness wire insulation 1.95 % Shore hardress wire insulation 1.95 % Shore D Ingredient freeness wire insulation 1.95 % Shore D Carded conger wire, shore on insulation 1.95 % Shore D Ingredient freeness wire insulation 1.95 % Shore D Carded copper wire, basic 0.1		
Jacker Clark black Type of Carlifacta cURus Amount stranding 1 Stranding 3 wires twisted wires management black 1. Iback 2. green-yellow No. of bending cycles (C-track) 10 Mo. @ 25 °C Cable weight 56.1 g/m Material jacket PUR Stree Interdness jacket 90 ± 5 Stree A Freedom from Ingredients (jacket) 16 ad free, cardinum-free, CFC-free, halogen-free, silicone free Outer diameter (jacket) 5 5 % Toferance outer diameter (isolation) 5 5 % Clare diameter (insulation 1.35 mm Outer diameter insulation 1.35 mm Outer diameter insulation 7.2 5 % Stree Internescore insulation 7.2 5 % Stree Internescore insulation 7.2 5 % Diard diameter insulation 7.2 5 % Stree Interness wire insulation 7.2 5 % Diard diameter insulation 1.35 mm Conductor vire insulation 9.4 2 Diameter of single wires 0.15 mm Conductor vire insulation 0.75 mm?		
Type of Cartificatio cUPRus Armount stranding 1 Stranding 9 views lowised Wite arringement black 1, black 2, green yollow No. of bending cycles (C-track) 10 Ma. @ 25 °C Calde weigh 56,1 pin Material jacket PUR Shore hardness jacket 90,5 Shore A Freesdom from ingredients (jacket) Isad-trae, cardinum-free, CFC-free, halogen-free, silicone-free Outer-diameter (isaket) 5,9 mm Tolerance outer diameter (islashi) 4,5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,45 rm Outer diameter insulation 1,5 S hore D Ingredient treases wire insulation 1,5 s hore D Ingredient treases wire insulation 1,65 rm² Outer diameter tole insulation 1,65 rm² Ingredient treases wire insulation 1,64 rese, cadminum-free, CFC-free, halogen-free, silicone-free Printing ord or wire insulation 1,65 rm² Onsubort ordises wire insulation 1,65 rm² Diameter of single wires 0,15 rm² <td></td> <td>white (isolation black)</td>		white (isolation black)
Amount stranding 1 Strainding 3 wires kreated Weiter arrangement black 1, black 2, green-yellow No. of banding cycles (C track) 10 Mio. @ 25 °C Cable weight 66,1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedon from ingredients (jacket) 6.3 mm Culer diamoter (jacket) 5.3 mm Tolerance outer diamoter (sheatth) 1.5 % Amount wires 3 Outer diamoter insulation PP Amount wires 3 Outer diamoter insulation 7.9 ± 5 Shore D Togredient freenes wire insulation 1.85 mm Outer diamoter insulation white (solation black) Amount strands (wire) 0.75 mm ² Diameter of single wires 0.15 mm Conductor type (wire) stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor wire 26 CMm @ 20 °C Nominal vottage power A cmax. 300 V	Jacket Color	black
Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow No. of bending cycles (C-track) 10 Mo. (do 22 °C Cable weigh 66.1 g/m Material jacket PUR Shore hardness jacket 90.5 Shore A Freedom from ingredients (acket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (iacket) 5.9 mm Tolerance outer diameter (head) 5.9 mm Tolerance outer diameter (head) 5.9 mm Outer diameter (iacket) 1.85 mm Outer diameter (head) 1.85 mm Outer diameter (head) 1.9 Shore D Ingredient freeness wire insulation 1.9 S Shore D Ingredient freeness wire insulation 1.9 S Shore D Ingredient freeness wire insulation 1.9 S Shore D Ingredient freeness wire insulation white (solation black) Amount strand S (wire) 42 Diameter of single wires 0.15 mm Conductor crossection (wire) 0.75 mm ² Material conductor wire Stranded copper wire, bare Conductor vires (Stranded) 10 m @	Type of Certificate	cURus
wire arrangement black 1, black 2, green yellow No. of bending cycles (C-track) 10 Mio. @ 25 °C Cable weigh 56, 1g /m Matorial jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingrodients (jacket) bed ± Free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 5.9 mm Tolerance outer diameter (haehat) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1.85 mm Outer diameter insulation 1.85 mm Outer diameter kines wire insulation 70 ± 5 Shore D Ingredient free-reset wire insulation 1.85 mm Outer diameter kines wire insulation 70 ± 5 Shore D Ingredient free-reset wire insulation while (isolation black) Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C [horizontal Current dood capacity min, wire 12 A Electrical resistance line constant wire <t< td=""><td>Amount stranding</td><td>1</td></t<>	Amount stranding	1
No. of bending cycles (C-track) 10 Mio. @ 25 °C Cable weight 56,1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 1ead free, cadmium free, CFC-free, halogen-free Outer diametic (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1.85 mm Outer diameter insulation 164 free, cadmium free, CFC-free, halogen-free, silicone-free Printing color of wire insulation white (solation black) Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor viscescention (wire) 0.75 mm ² Conductor viscescention (wire) 10 m @ 25 °C (Inoraontal Current load capacity (standard) to DIN VDE 0238 4 Current load capacity (standard) to DIN VDE 0238 4 Current load capacity (wire) <	Stranding	3 wires twisted
Cable weight 56,1 g/m Material jacket PUR Shore hardness jacket 90 15 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 (slacket) 5.9 mm Outer diameter (isolation) 5.9 mm Outer diameter insulation PP Amount wires 3 Outer diameter Insulation 1.85 mm Outer diameter Insulation 1.55 % Shore hardness wire insulation 1.05 mm Outer diameter Insulation 1.55 % Shore hardness wire insulation 1.55 mm Outer diameter insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor rowssection (wire) 0.75 mm? Conductor wire Stranded copper wire, bare Conductor wire (wire) 0.75 mm?	wire arrangement	
Material jackiet PUR Shore hardness jacket 90 ± 5 Shore A Freedom Itom Ingredients (jackiet) lead Arbee, admium-free, CPC-free, halogen-free, silicone-free Outer diameter (jacket) 5,9 mm Tolerance outer diameter (jacket) 5,9 mm Atterial Wrie Insulation PP Amount Wries 3 Outer diameter (solation) 1,85 mm Outer diameter (wrie Insulation) 42 Diameter of single wries 0,15 mm Conductor view (wrie Insulation) 0,75 mm ² Material conductor wiew Stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Current load capacity (standardr) <	No. of bending cycles (C-track)	10 Mio. @ 25 °C
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 % Material wire insulation PP Amount wires 3 Outer diameter (jacket) ± 5 % Material wire insulation 1.85 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 1.95 Shore D Ingredient freeness wire insulation wire (jacket) Hander Signe Wire Signess 0.15 mm Conductor crossection (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-rack) 10 m @ 25 °C (horizontal Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ωkm @ 20 °C Nominal voltage power AC max. 300 V Power facteuncy withstand voltage power wire 2,5 kV @ 60 s AC withstand voltage power wire 2,5 kV @ 60 s Min: operating temperature (static) -40 °C Max opa	Cable weigth	56,1 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 wire insulation PP Amount wires 3 Outer diameter lolerance core insulation 1,85 mm Outer diameter lolerance core insulation 70 ± 5 % fore D Ingredient freeness wire insulation kef free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation kef free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation kef free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation kef free, cadmium-free, CFC-free, halogen-free, silicone-free Construct freesesses wire insulation kef free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation kef free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation kef free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation kef free, cadmium-free, CFC-free, halogen-free, silicone-free Construct of single wires 0,15 mm Conductor wires discone 0,15 mm <td>Material jacket</td> <td>PUR</td>	Material jacket	PUR
Outer diameter (jacket) 5,9 mm Tolerance suter diameter (sheath) 15 % Matrial wire insulation PP Amount wires 3 Outer diameter (sheath) 1,85 mm Outer diameter insulation 1,85 mm Outer diameter 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 crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor vise Stranded copper wire, bare Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Q/km @ 20 °C Nominal voltage power (wire - wire) 2,5 kV @ 60 s Ac withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (fixed) 80 °C / 90 °C	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1.85 mm Outer diameter lolerance core insulation ± 5 % Shore hardness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor crossection (wire) 0.75 mm ^o Material conductor wire Stranded copper wire, bare Conductor type (wire) strande class 6 Traversing distance (C+rack) 10 m @ 25 °C (horizontal Current load capacity (standard) to DIN VDE 0298-4 Missingt voltage power (wire -wire) 2.5 kV @ 60 s <td>Freedom from ingredients (jacket)</td> <td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td>	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 3 Outer diameter insulation 1.85 mm Outer diameter folkarace core insulation 1.5 % 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 crossection (wire) 0.75 mm ⁹ Material conductor wire Stranded coper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 02984 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 0298 4 Current load capacity (standard) to DIN VDE 0298 4 Min. operating temperature (stance) 4.0 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire -wire) 2.5 kV @ 60 s <t< td=""><td>Outer-diameter (jacket)</td><td>5,9 mm</td></t<>	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 (solation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor rossescein (wire) 0,75 mm ² Material conductor wire Stranded copper wire, bare Conductor wire (wire) 0,75 mm ² Material conductor wire Stranded copper wire, bare Conductor wire (wire) 0,75 mm ² Material conductor wire Stranded copper wire, bare Conductor wire (wire) 0,75 mm ² Current load capacity (standard) to DIN VDE 0288-4 Current load capacity (standard) to DIN VDE 028-4 Current load capacity (standard) to DIN VDE 028-4 Current load capacity (standard) 2.6 NV @ 60 s	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 Ingredient freeness wire insulation tead-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 rosseschion (wire) 0,75 mm ² Material conductor wire Stranded copper wire, bare Conductor torge (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current to acapacity (standard) to DIN VDE 298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ωkm @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating te	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 %. Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor vires Stranded copper wire, bare Conductor vire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 208-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity wints and voltage power 2.5 kV @ 60 s Ac withstand voltage power 2.5 kV @ 60 s Min. operating temperature (static) -40 °C Max operating temperature (static) -40 °C Operating temperature (min: (dynamic) -25 °C Operating temperature (min: (dynamic) -25 °C	Amount wires	3
Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmum-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 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal 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 (withstand voltage power (wire - wire) 2,5 kV @ 60 s Ac withstand voltage power (wire - wire) 2,5 kV @ 60 s Ac withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Ac withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Dearating temperature (static)	Outer diameter insulation	1,85 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor rossection (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m@ 25 °C horizontal Current Load capacity (standard) to DIN VDE 0298-4 Current Load capacity (standard) to DIN VDE 0298-4 Electrical resistance line constant wire 26 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -50 °C @ 10000 h Operation Operating temperature (static) -40 °C Max. operating temperature (static) -50 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 I UL 1581 § 1100 FT2 UL 1581 § 1090	Outer diameter tolerance core insulation	±5%
Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor crossection (wire) 0.75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Conductor type (wire) strand class 6 Current load capacity (standard) to DIN VDE 0288-4 Current load capacity (standard) to DIN VDE 0288-4 Current load capacity (standard) 20 C/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 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) -26 °C @ 10000 h Operation Operating temperature (static) -25 °C Operating temperature min. (dynamic) -25 °C	Shore hardness wire insulation	70 ± 5 Shore D
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 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity win. wire 12 A Electrical resistance line constant wire 26 0/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power 2,5 kV @ 60 s (mir jacket) 40 °C Max. operating temperature (state) 40 °C Max. operating temperature (state) 40 °C Max. operating temperature (state) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60322-2 I UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistanc	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0296-4 Current load capacity (standard) to DIN VDE 0296-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN E N ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance	Printing color of wire insulation	white (isolation black)
Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Electrical resistance line constant wire 26 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - jacket) 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Ver vesistance B0 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing <td>Amount strands (wire)</td> <td>42</td>	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal 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 Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - jacket) 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (dynamic) 80 °C / 90 °C @ 10000 h Operation Operating temperature (dynamic) -25 °C Operating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, appli	Diameter of single wires	0,15 mm
Conductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire12 AElectrical resistance line constant wire26 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power2,5 kV @ 60 sAC withstand voltage power (wire - wire)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (ifxed)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDin souter diameterNo. of torsion cyclesNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Conductor crosssection (wire)	0,75 mm ²
Traversing distance (C-track)10 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire12 AElectrical resistance line constant wire26 Ω/km @ 20 °CNomial voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2,5 kV @ 60 sAC withstand voltage power (wire - wire)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDin Kifked)5 × Outer diameterBending radius (fixed)5 × Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Material conductor wire	Stranded copper wire, bare
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Electrical resistance line constant wire 26 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - jacket) 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing <	Current load capacity (standard)	to DIN VDE 0298-4
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Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	chemical resistance	Good, application-related testing
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Bending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Oil resistance	Good, application-related testing DIN EN 60811-404
No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Bending radius (fixed)	5 x Outer diameter
Torsion speed 35 cycles/min	Bending radius (dynamic)	10 x Outer diameter
	No. of torsion cycles	2 Mio.
Torsion stress ± 180 °/m	Torsion speed	35 cycles/min
	Torsion stress	± 180 °/m

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-27

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