

## MSUD valve plug B-10mm with cable

PUR 3x0.75 bk UL/CSA 1.5m

**MSUD** Form B (10 mm) 24 V AC ±20% / DC ±25% LED and suppression PE opposite cable entry (180°)

Further cable lengths on request.

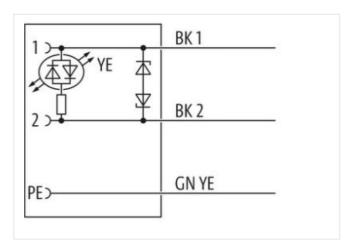
Plastic housings with good resistance against chemicals and oils.

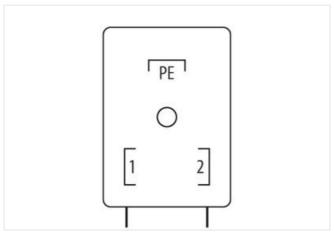
The resistance to aggressive media should be individually tested for your application. Further details on request.

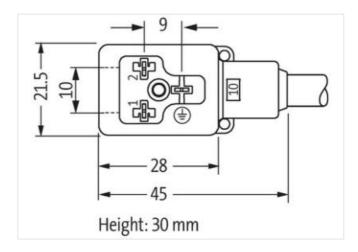
## **Link to Product**

## Illustration









Product may differ from Image









Cable length

1,5 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: 2024-06-26



stay connected

Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Family construction form	MSUD B
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	4048879222662
Packaging unit	1
Electrical data	
Drop-out delay time max.	20 ms
Electrical data   Supply	
	04.1/
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. Operating voltage DC max.	18 V
Cut-off peak voltage max.	30 V 55 V
Current operating per contact max.	4 A
	4 A
Installation   Connection	
Mounting set	M3
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Mechanical data   Material data	
Coating of fitting	verzinkt
Color housing	black
Material housing	Plastic
Material screw connection	Steel
Mechanical data   Mounting data	
Mounting method	inserted, screwed
Environmental characteristics   Climatic	
·	-25 °C
Operating temperature min.	-25 °C 85 °C
Operating temperature max.  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	<b>Attention:</b> 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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## stay connected

Caution Type   2	wire arrangement	black 1, black 2, green-yellow
Printing color of wire insulation white (isolation black)  aboke Color  black  Young of Certificate  CURS  Amount stranding  1  Stranding  3 wire twisted  wire arrangement  black 1, black 2, green-yellow  Zable weigh  Shore hardness jacket  BS ± 5 Shore A  Freedom from ingredients (jacket)  Leaf-free, cadmum-free, CPC-free, silicone-free  Woulderfail jacket  PUR  Shore hardness jacket  BS ± 5 Shore A  Freedom from ingredients (jacket)  Leaf-free, cadmum-free, CPC-free, silicone-free  Woulderfail wire insulation  PVC  Material inview insulation  PVC  Material wire insulation  1,8 mm  Duter diameter tolerance core insulation  3 3  3 3  3 4 5 Shore D  Shore hardness wire insulation  White (jacket)  42  Would diameter tolerance core insulation  white (jacket)  42  Would diameter tolerance core insulation  white (jacket)  42  Would diameter folerance core insulation  white (jacket)  42  Would diameter folerance core insulation  white (jacket)  43 5 Shore D  Would diameter folerance core insulation  white (jacket)  44  Would diameter folerance core insulation  white (jacket)  A 5 Shore D  Would diameter folerance core insulation  white (jacket)  A 5 Shore D  Would diameter folerance core insulation  white (jacket)  A 5 Shore D  Would diameter folerance core insulation  White (jacket)  A 5 Shore D  Would diameter folerance core insulation  White (jacket)  A 5 Shore D  Would diameter folerance core insulation  White (jacket)  A 5 Shore D  Would diameter folerance insulation  White (jacket)  A 5 Shore D  Would diameter folerance  Conductor type (wire)  A 5 Shore D  Would diameter folerance  Conductor growing with folerance  Conduct	Cable identification	626
Printing pother of were insulation white (sociation black) labolet Color black    Date   Date   Date   Date   Date   Date	Cable Type	2
Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Zable weight         55,33 g/m           Waterial jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freadom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Under-diameter jacketh         5.9           Follerance outer diameter (sheath)         ± 5 %           Vaterial inner jacketh         PVC           Vaterial value inner jacketh         PVC           Variouri wires         3           3 Under diameter insulation         ± 8 mm           Under diameter insulation         ± 5 %           Printing color of wire insulation         with (solation black)           Printing color of wire insulation         with (solation black)           Variouri darina saw in insulation <td>Printing color of wire insulation</td> <td>white (isolation black)</td>	Printing color of wire insulation	white (isolation black)
Stranding   3 wires twisted	Jacket Color	black
Stranding   3 wires twisted	Type of Certificate	cURus
black 1, black 2, green-yellow  2able weigh	Amount stranding	1
Dable weigith         55,33 g/m           Atterial jacket         PUR           Freedom from ingredients (jacket)         lead free, cadmium-free, CFC-free, silicone-free           Duter-diameter (jacket)         5,9 mm           Orderance outer fammeter (sheath)         ± 5 %           Material inner jacket         PVC           Atterial wire insulation         PVC           Material wire insulation         PVC           Atterial wire insulation         1,8 mm           Duter diameter insulation         1,8 mm           Duter diameter insulation         43 ± 5 Shore D           Ingredient freeness wire insulation         43 ± 5 Shore D           Ingredient freeness wire insulation         white (isolation black)           Mount strands (wire)         42           Diameter of single wires         0,15 mm           Orductor type (wire)         strand closes of strands of country wire (isolation diage wire, bare           Orductor type (wire)         strand class 6           Orductor type (wire)         strand class 6           Orductor ty	Stranding	3 wires twisted
Material jacket         PUR           Shore hardness jacket         85 ± S Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Duter-diameter (jacket)         5.9 mm           Folkerance outer diameter (sheath)         ± 5 %           Material inner jacket         PVC           Material wire insulation         PVC           Amount wires         3           Duter diameter insulation         1,8 mm           User planeter insulation         43 ± 5 Shore D           Shore hardness wire insulation         43 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Printing color of wire insulation         white (solation 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           Jameter of single wires         0,15 mm           Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V           Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V	wire arrangement	black 1, black 2, green-yellow
Shore hardness jacket	Cable weigth	55,33 g/m
Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, silicone-free	Material jacket	PUR
Duter-diameter (jacket)         5,9 mm           Folerance outer diameter (sheath)         ± 5 %           Material inner jacket         PVC           Material wire insulation         PVC           Amount wires         3           Duter diameter insulation         1,8 mm           Duter diameter observations wire insulation         43 ± 5 Shore D           Shore hardness wire insulation         43 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Printing color of wire insulation         white (isolation black)           Amount strands (wire)         42           Diameter of single wires         0,15 mm           Denductor crosssection (wire)         0,75 mm²           Material conductor wire         Stranded copper wire, bare           Short and class 6         8           Nominal voltage AC max.         300 V           Durrent load capacity (standard)         to DIN VDE 0298-4           Durrent load capacity (standard)         to DIN VDE 0298-4           Durrent load capacity min. wire         12 A           Electrical resistance line constant wire         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Operating temperature (static) <td< td=""><td>Shore hardness jacket</td><td>85 ± 5 Shore A</td></td<>	Shore hardness jacket	85 ± 5 Shore A
Duter-diameter (jacket)         5,9 mm           Folerance outer diameter (sheath)         ± 5 %           Material inner jacket         PVC           Material wire insulation         PVC           Amount wires         3           Duter diameter insulation         1,8 mm           Duter diameter observations wire insulation         43 ± 5 Shore D           Shore hardness wire insulation         43 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Printing color of wire insulation         white (isolation black)           Amount strands (wire)         42           Diameter of single wires         0,15 mm           Denductor crosssection (wire)         0,75 mm²           Material conductor wire         Stranded copper wire, bare           Short and class 6         8           Nominal voltage AC max.         300 V           Durrent load capacity (standard)         to DIN VDE 0298-4           Durrent load capacity (standard)         to DIN VDE 0298-4           Durrent load capacity min. wire         12 A           Electrical resistance line constant wire         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Operating temperature (static) <td< td=""><td>Freedom from ingredients (jacket)</td><td>lead-free, cadmium-free, CFC-free, silicone-free</td></td<>	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material inner jacket         PVC           Material wire insulation         PVC           Amount wires         3           Duter diameter insulation         1.8 mm           Duter diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         43 ± 5 Shore D           Ingredient feeness wire insulation         lead-free, cadmium-free, CFC-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           Vominal 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 kV @ 60 s           Power frequency withstand voltage (wire - acket)         2 kV @ 60 s           Operating temperature (static)         -30 °C           Max. operating temperature (static)         -5 °C           Operating temperature m	Outer-diameter (jacket)	5,9 mm
Material wire insulation         PVC           Amount wires         3           Duter diameter insulation         1,8 mm           Duter diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         43 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           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 min. wire         12 A           Electrical resistance line constant wire         26 Ω/km @ 20 °C           AC withstand voltage (wire - acket)         2 kV @ 60 s           Power frequency withstand voltage (wire - acket)         2 kV @ 60 s           Power frequency withstand voltage (wire - acket)         30 °C           Max. operating temperature (static)         -30 °C           Max. operating temperature max. (dynamic)         90 °C	Tolerance outer diameter (sheath)	±5%
Material wire insulation         PVC           Amount wires         3           Duter diameter insulation         1,8 mm           Duter diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         43 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           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 min. wire         12 A           Electrical resistance line constant wire         26 Ω/km @ 20 °C           AC withstand voltage (wire - acket)         2 kV @ 60 s           Power frequency withstand voltage (wire - acket)         2 kV @ 60 s           Power frequency withstand voltage (wire - acket)         30 °C           Max. operating temperature (static)         -30 °C           Max. operating temperature max. (dynamic)         90 °C	Material inner jacket	PVC
Duter diameter insulation 1,8 mm  Duter diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 43 ± 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 type (wire) strand class 6  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity (wire - wire) 2 kV @ 60 s  Convert requency withstand voltage (wire - wire) 2 kV @ 60 s  Converting temperature (static) -30 °C  Max. operating temperature (fixed) 80 °C  Diperating temperature min. (dynamic) -5 °C  Diperating temperature max. (dynamic) 80 °C  chemical resistance Good, application-related testing  Ganding radius (fixed) 10 x Outer diameter  Din Ending radius (fixed) 15 x Outer diameter  Sending radius (fixed) 15 x Outer diameter  Forevering distance (C-track) 5 m @ 25 °C   horizontal	Material wire insulation	PVC
Duter diameter tolerance core insulation Shore hardness wire insulation A3 ± 5 Shore D Ingredient freeness wire insulation Ingredient Ing	Amount wires	3
Shore hardness wire insulation Ingredient freeness wire insulation Ingredient freeness wire insulation Ingredient freeness wire insulation Ingredient freeness wire insulation White (isolation black) Amount strands (wire)  42  Amount strands (wire)  42  Conductor or osssection (wire)  O,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)  Current load capacity (standard)  Current load capacity (wire)  2 kV @ 60 s  Cover frequency withstand voltage (wire - acket)  Cover frequency withstand voltage (wire - acket)  Cover frequency withstand voltage (wire - acket)  Coperating temperature (fixed)  So °C  Deparating temperature (fixed)  So °C  Chemical resistance  Good, application-related testing  Gasoline resistance  DIN EN 60811-404  Sending radius (fixed)  15 x Outer diameter  Son Col Fraversing distance (C-track)  2 Min. Ø 25 °C   horizontal	Outer diameter insulation	1,8 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-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 kV @ 60 s  Clack withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - 2 kV @ 60 s  Power frequency withstand voltage (wire - 30 °C  Adva. operating temperature (static) -30 °C  Adva. operating temperature (fixed) 80 °C  Operating temperature max. (dynamic) -5 °C  Operatin	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 Conductor type (wire) strand class 6 Conductor type (wire) strand class 6 Correct type (wire) strand compactly (standard) sto DIN VDE 0298-4 Current load capacity (standard) sto DIN VDE 0298-4 Current load capacity win. wire 12 A Cletertical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Cover frequency withstand voltage (wire - 2 kV @ 60 s Cover frequency withstand voltage (wire - 30 °C Max. operating temperature (fixed) 80 °C Coverating temperature (fixed) 80 °C Coverating temperature min. (dynamic) -5 °C Coverating temperature max. (dynamic) 80 °C Coverating temperature	Shore hardness wire insulation	43 ± 5 Shore D
Amount strands (wire)  Amount strands (wire)  Diameter of single wires  O,15 mm  Oonductor crosssection (wire)  O,75 mm²  Stranded copper wire, bare  Stranded copper wire, bare  Conductor type (wire)  strand class 6  Nominal voltage AC max.  Ourrent load capacity (standard)  Durrent load capacity (standard)  Current load capacity min. wire  12 A  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  2 kV @ 60 s  2 kV @ 60 s  2 kV @ 60 s  Operating temperature (static)  Operating temperature (fixed)  Operating temperature min. (dynamic)  Deperating temperature max. (dynamic)  Operating temperature max. (dynamic)  Office in esistance  Good, application-related testing  Only E MoBall (stad)  Only Diameter (Static)  Onl	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Diameter of single wires Onductor crosssection (wire) On,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - acket) Adv. operating temperature (fixed) 80 °C Deparating temperature min. (dynamic) 25 °C Deparating temperature max. (dynamic) Di resistance Good, application-related testing Dil resistance Dil resistance Dil R N 60811-404 Bending radius (fixed) 15 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C   horizontal	Printing color of wire insulation	white (isolation black)
Conductor crosssection (wire)  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6  Nominal voltage AC max.  300 V  Current load capacity (standard)  to DIN VDE 0298-4  Current load capacity min. wire  12 A  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  2 kV @ 60 s  Power frequency withstand voltage (wire - acket)  Win. operating temperature (static)  -30 °C  Max. operating temperature (fixed)  80 °C  Operating temperature min. (dynamic)  -5 °C  Operating temperature max. (dynamic)  Basoline resistance  Good, application-related testing  Di resistance  Di Resistance  Di N EN 60811-404  Bending radius (fixed)  15 x Outer diameter  No. of bending cycles (C-track)  5 m @ 25 °C   horizontal	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 min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - acket) Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Deparating temperature min. (dynamic) -5 °C Deparating temperature max. (dynamic) -5 °C Deparating temperature max. (dynamic) -5 °C Diresistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Sending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C   horizontal	Diameter of single wires	0,15 mm
Conductor type (wire)       strand class 6         Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       12 A         Electrical resistance line constant wire       26 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2 kV @ 60 s         Power frequency withstand voltage (wire - acket)       2 kV @ 60 s         Win. operating temperature (static)       -30 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       80 °C         Schemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Dil resistance       DIN EN 60811-404         Bending radius (fixed)       10 x Outer diameter         Bending radius (dynamic)       15 x Outer diameter         No. of bending cycles (C-track)       2 Mio. @ 25 °C         Traversing distance (C-track)       5 m @ 25 °C   horizontal	Conductor crosssection (wire)	0,75 mm <sup>2</sup>
Nominal voltage AC max.  300 V  Current load capacity (standard)  Current load capacity (standard)  Current load capacity min. wire  12 A  Electrical resistance line constant wire  26 Ω/km @ 20 °C  AC withstand voltage (wire - wire)  2 kV @ 60 s  Power frequency withstand voltage (wire - acket)  Win. operating temperature (static)  AC wax. operating temperature (fixed)  AC withstand voltage (wire - acket)  Win. operating temperature (fixed)  BO °C  Deparating temperature min. (dynamic)  Deparating temperature max. (dynamic)  So on the mical resistance  Good, application-related testing  Gasoline resistance  DIN EN 60811-404  Bending radius (fixed)  10 x Outer diameter  So of bending cycles (C-track)  Eraversing distance (C-track)  5 m @ 25 °C   horizontal	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)  Current load capacity min. wire  12 A  Electrical resistance line constant wire  26 \( \Omega \text{thm} \) 20 °C  AC withstand voltage (wire - wire)  2 kV @ 60 s  Power frequency withstand voltage (wire - acket)  Vin. operating temperature (static)  2 kV @ 60 s  Vin. operating temperature (fixed)  80 °C  Operating temperature min. (dynamic)  5 °C  Operating temperature max. (dynamic)  80 °C  Operating temperature max. (dynamic)  80 °C  Operating temperature max. (dynamic)  10 chemical resistance  Good, application-related testing  Opil resistance  DIN EN 60811-404  Bending radius (fixed)  10 x Outer diameter  Sending radius (dynamic)  15 x Outer diameter  No. of bending cycles (C-track)  5 m @ 25 °C   horizontal	Conductor type (wire)	strand class 6
Current load capacity min. wire  12 A  Electrical resistance line constant wire  26 Ω/km @ 20 °C  AC withstand voltage (wire - wire)  2 kV @ 60 s  Power frequency withstand voltage (wire - acket)  Win. operating temperature (static)  30 °C  Max. operating temperature (fixed)  Departing temperature min. (dynamic)  Departing temperature max. (dynamic)  Departing temperature max. (dynamic)  Sehemical resistance  Good, application-related testing  Cil resistance  DIN EN 60811-404  Bending radius (fixed)  15 x Outer diameter  No. of bending cycles (C-track)  5 m @ 25 °C   horizontal	Nominal voltage AC max.	300 V
Electrical resistance line constant wire 26 \( \Omega / \text{km} \) \( \omega \) 20 °C  AC withstand voltage (wire - wire) 2 kV \( \omega \) 60 s  Power frequency withstand voltage (wire - acket) 2 kV \( \omega \) 60 s  Win. operating temperature (static) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 80 °C  Chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter  No. of bending cycles (C-track) 2 Mio. \( \omega \) 25 °C  Fraversing distance (C-track) 5 m \( \omega \) 25 °C   horizontal	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)  2 kV @ 60 s  Power frequency withstand voltage (wire - acket)  2 kV @ 60 s  2 kV @ 60 s  Win. operating temperature (static)  30 °C  Max. operating temperature (fixed)  80 °C  Departing temperature min. (dynamic)  5 °C  Departing temperature max. (dynamic)  80 °C  Chemical resistance  Good, application-related testing  Gasoline resistance  DIN EN 60811-404  Bending radius (fixed)  10 x Outer diameter  Bending radius (dynamic)  15 x Outer diameter  No. of bending cycles (C-track)  5 m @ 25 °C   horizontal	Current load capacity min. wire	12 A
Power frequency withstand voltage (wire - acket)  2 kV @ 60 s  Min. operating temperature (static)  -30 °C  Max. operating temperature (fixed)  80 °C  Operating temperature min. (dynamic)  -5 °C  Operating temperature max. (dynamic)  80 °C  Chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404  Bending radius (fixed)  10 x Outer diameter  Bending radius (dynamic)  15 x Outer diameter  No. of bending cycles (C-track)  2 Mio. @ 25 °C  Fraversing distance (C-track)  5 m @ 25 °C   horizontal	Electrical resistance line constant wire	26 Ω/km @ 20 °C
Acket)  All operating temperature (static)  All operating temperature (fixed)  All operating temperature (fixed)  All operating temperature min. (dynamic)  All operating temperature min. (dynamic)  All operating temperature max. (dynamic)  All operating temperature min. (dynamic)  All operating temperature max. (dynamic)	AC withstand voltage (wire - wire)	2 kV @ 60 s
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynami	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C   horizontal	Min. operating temperature (static)	-30 °C
Operating temperature max. (dynamic) 80 °C  Chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C   horizontal	Max. operating temperature (fixed)	80 °C
Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C   horizontal	Operating temperature min. (dynamic)	-5 °C
Gasoline resistance Good, application-related testing  DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C   horizontal	Operating temperature max. (dynamic)	80 °C
DIN EN 60811-404  Bending radius (fixed)  Bending radius (dynamic)  Bending radius (dynamic)  15 x Outer diameter  No. of bending cycles (C-track)  2 Mio. @ 25 °C  Traversing distance (C-track)  5 m @ 25 °C   horizontal	chemical resistance	Good, application-related testing
Bending radius (fixed)  10 x Outer diameter  Bending radius (dynamic)  15 x Outer diameter  No. of bending cycles (C-track)  2 Mio. @ 25 °C  Fraversing distance (C-track)  5 m @ 25 °C   horizontal	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 15 x Outer diameter  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C   horizontal	Oil resistance	DIN EN 60811-404
No. of bending cycles (C-track)  2 Mio. @ 25 °C  Fraversing distance (C-track)  5 m @ 25 °C   horizontal	Bending radius (fixed)	10 x Outer diameter
Fraversing distance (C-track) 5 m @ 25 °C   horizontal	Bending radius (dynamic)	15 x Outer diameter
	No. of bending cycles (C-track)	2 Mio. @ 25 °C
Travel speed (C-track) 3,3 m/s @ 25 °C	Traversing distance (C-track)	5 m @ 25 °C   horizontal
	Travel speed (C-track)	3,3 m/s @ 25 °C