

MSUD Basic valve plug A-18mm cable top exit

PUR 3x0.75 bk UL/CSA 5m

Form A (18 mm) 24 V AC ±20% / DC ±25% LED

Z-Diode

Further cable lengths on request.

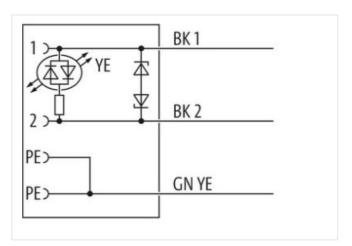
Plastic housings with good resistance against chemicals and oils.

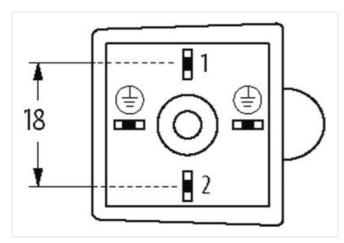
The resistance to aggressive media should be individually tested for your application. Further details on request.

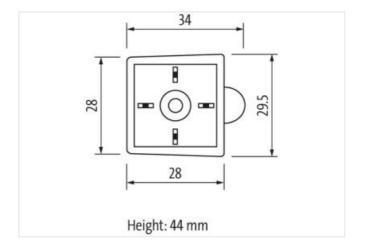
Link to Product

Illustration









Product may differ from Image









Cable length

5 m

Side 1

Tightening torque 0,4

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: 2024-06-25



stay connected

Mounting method	inserted, screwed
Family construction form	MSUD A
Thread	M3
Material	PUR
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	4048879778763
Packaging unit	1
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
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	yellow
Installation Connection	,
Mounting set	M3
	IVIO
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Additional suppressor	Z-Diode
Mechanical data Material data	
Coating locking	verzinkt
Coating of fitting	verzinkt
Locking material	Steel
Material screw connection	Steel
Mechanical data Mounting data	
Mounting method	inserted, screwed
Environmental characteristics Climatic	c
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
	. 0 1
Important installation notes	Postantila a constantina field and a constantina field
Note on strain relief Note on bending radius	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
<u>-</u>	endangered by excessive bending forces.
Installation Cable	

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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) About stranda (wire) 42 Diameter of single wires 0,15 mm Orductor type (wire) strand closes of strandard (wire) Orductor type (wire) strand closes of strandard copper wire, bare Orductor type (wire) stranda capacity (standard) Ore	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) 90 °C Max. operating temperature (fixed) 80 °C Diperating temperature min. (dynamic) -5 °C Diperating temperature min. (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 MoBill 1-404 Sending radius (fixed) On your diameter Only Office diameter Only Only Only Only Only 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 ²
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 AC withstand voltage (wire - acket) Vin. operating temperature (fixed) 80 °C Departing temperature min. (dynamic) 5 °C Departing temperature max. (dynamic) 80 °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	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) 2 behamical resistance Good, application-related testing Casoline resistance Good, application-related testing 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