

MSUD double valve A-18mm with cable

PUR 4x0.75 bk UL/CSA+drag ch. 1.5m

Form A (18 mm) 24 V AC ±20% / DC ±25% LED and suppression Connection cable L = 110 mm Further cable lengths on request.

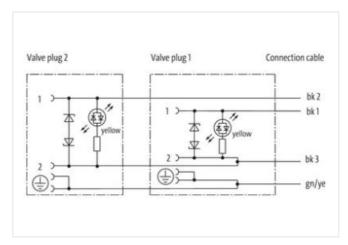
Plastic housings with good resistance against chemicals and oils.

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

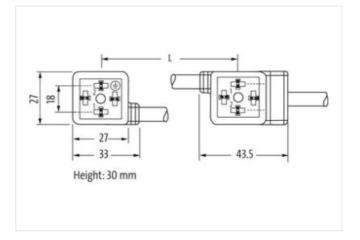
Link to Product

Illustration









Product may differ from Image



Cable length 1,5 m

Side 1

0,4 Nm Tightening torque

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

Side 2 Up Implement proque 0.4 Nm Thread M3 Malerial PBT Commercial data VERNAS-RAD ECLASS-RAD 27279218 ECLASS-RAD 27279218 ECLASS-RAD 27279218 ECLASS-RAD 27279218 ECLASS-RAD 27060312 ECLASS-RAD 27060312 ECLASS-RAD 27000312 ECLASS-RAD 27000312 ECLASS-RAD 27000312 ECLASS-RAD 27000312 ECLASS-RAD 27000312 ECLASS-RAD 27000312 ECLASS-RAD ECOLESS-RAD ECLASS-RAD 27000312 ECLASS-RAD ECOLESS-RAD ECLASS-RAD ECLASS-RAD ECLASS-RAD RAD Droperation yout	Thread	M3
Tightening torque 0,4 Nm Tipead M0 Commercial data PET ECLASS-6.0 27278218 ECLASS-6.1 27278218 ECLASS-7.0 27278218 ECLASS-8.0 27278218 ECLASS-9.0 27278218 ECLASS-9.0 27000312 ECLASS-9.1 27000312 ECLASS-1.1 27000312 ECLASS-1.2.0 27000312 ECLASS-1.2.0 27000312 ECLASS-1.2.0 27000312 ECLASS-1.2.0 1000155 Declass-1.2.0 1000155 Declass-1.2.0 1000155 Declass-1.2.0 10 Electrical data 1 Drop-out delay fire max. 20 ms Electrical data 1 Drop-out delay fire max. 20 ms Drop-out delay fire max. 28 M Operating vollage AC max. 28 A V Operating vollage AC max. 28 A V Operating vollage AC max. 28 A V Operating vollage AC max. 4 A	Material	PBT
Mailana	Side 2	
Mailana	Tightening torque	0.4 Nm
Material Mat		· · · · · · · · · · · · · · · · · · ·
Commercial data		
ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-1.1 27069312 ETM-5.0 E001855 coastors tariff number 85444290 ETM-5.0 E001855 Coastors tariff number 85444290 ETM 7.0 A 498579137706 Packatign juml 1 Electrical data Proposut delay time max. 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC mix. 28.8 V Operating voltage AC mix. 19.2 V Operating voltage AC mix. 28.8 V Operating voltage DC mix. 16 V Operating voltage DC mix. 17 V Operating voltage DC mix. 18 V Operating voltage DC mix. 19 V Operating voltage DC mix. 18 V Operating voltage DC mix. 19 V Operating voltage Mix voltage mix. 2 viv. 4 V Operating voltage mix. 2 viv. 4 V Operating voltage Mix volta		
ECLASS 6.1 27279218 ECLASS 7.0 2779218 ECLASS 9.0 27060312 ECLASS 9.0 27060312 ECLASS 11.1 27060312 ECLAS 1		07070040
ECLASS-7.0 27279218 ECLASS-8.0 27278218 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM 5.0 ECO91855 ELETIM 5.0 ECO91855 ELETIM 5.0 ECO91855 ELETIM 5.0 ECO91855 ELECTIM 6.0 ECO91855 ELECTIM 6.0 ECO91855 ELECTIM 7.0 ECO91855 ELECTIM 7.0 ECO91855 ELECTIM 8.0 ECO91855 ELECTIM		
ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ETIM-5.0 ECO00355 Dustons sarff number 85444290 GTN 4048879137706 Packaging unit 1 Electrical data Drop out dolay time max. 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC 34 V Operating voltage AC 38 V Operating voltage AC 38 V Operating voltage DC 02 AV Operating voltage DC 03 AV Current consumption max. 12 mA Electrical data 10 V Diagnostics Status indication LED yellow Develor operating voltage DC 03 AV Additional supple conduct max. 4 A Current consumption max. 12 mA Diagnostics Brates drop (EC 6066-1) I H Additional suppressor Diode, 2-Diode Macharial group (EC 6066-1) I H Additional data Material data Coating locking baset PuR Locking pasket PuR Material group (EC 6066-1) Book Additional data Material data Coating locking Saket Material group (EC 6066-1) Electrical data Munting data Ever zimit Cooking context max Saket Material group (EC 6066-1) I Additional data Munting data Material group (EC 6066-1) I Additional data Munting data Material group (EC 6066-1) I Additional data Munting data Material group (EC 6066-1) I Additional data Munting data Material group (EC 6066-1) I Additional data Munting data Material group (EC 6066-1) I Additional data Munting data Material group (EC 6066-1) I Additional data Munting data Material group (EC 6066-1) I Additional data Munting data See C Operating temperature max. 85 °C		
ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 EC001855 BUSKINST (Immber) 85444290 GTIN 4048879137706 Packaging unit 1 Electrical data Drop-out delay time max. Drop-out delay time max. 20 ms Electrical data Suppty Poperating voltage AC min. Operating voltage AC min. 19,2 V Operating voltage AC min. 19,2 V Operating voltage DC min. 18 V Operating per contact max. 4 A Current consumption max. 12 mA Diagnostics Polical peak voltage min. Status indication LED yellow Degree of protection Electrical Polical peak voltage min. Degree of protection Electrical Polical peak voltage min. Degree of protection Electrical Polical peak voltage mi		
ECLASS 10.1 27060312 ECLASS 11.1 27060312 ECLASS 11.0 27060312 ETIM-5.0 EC03185 ETIM-5.0 EC01855 GTIN 404879137706 Packaging unit 1 Electrical data Droport delay film max. 20 ms Electrical data Supply Coperating voltage AC 24 V Operating voltage AC 24 V Operating voltage AC 38 8 V Coperating voltage AC 30 V Coperating voltage DC 34 V Operating voltage DC 35 V Cut-oft peak voltage max. 28 8 V Cut-oft peak voltage max. 30 V Cut-oft peak voltage max. 30 V Cut-oft peak voltage max. 4 A Diagnostics Status indication LED yellow Device protection Electrical Dependence of the peak voltage max and the peak voltage and the peak voltage max and t		
ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 Dustoms tariff number 8544290 GTIN 4048879137706 Packaging unit 1 Electrical data Drop out delay time max. 20 ms Electrical data Supply Operating voltage AC min. 19.2 V Operating voltage AC min. 18 V Operating voltage DC 24 V Operating voltage DC 24 V Operating voltage DC 35 V Operating voltage DC 36 V Operating voltage DC 37 V Operating voltage DC 38 V Operating voltage max. 55 V Ourrent consumption max. 12 mA Degree of protection [Electrical Degree of protection [Ele		
ECLASS-12.0 27060312 ETIM-5.0 EC001855 usustoms tarif umber 8544290 GTIN 4048879137706 Packagin unit 1 Electrical data Image: Image		
ETIM-5.0 EC001855 usustoms tariff number 85444290 GTIN 404887137706 Packaging unit 1 Electrical data Drop- out delay time max. 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC inin. 19.2 V Operating voltage AC min. 19.2 V Operating voltage AC min. 18 V Operating voltage DC max. 30 V Cut-off peak voltage max. 55 V Current operating per comiact max. 4 A Current consumption max. 12 mA Diagnostics Status indication LED yellow Device protection [Electrical Degree of protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed Pholusion Degree voltage 0.8 kV Material group (IEC 60684-1) Iclode, 2-loide Material gasket PUR Locking material served. PUR Locking material served. Screwed Mechanical data Mounting data Mounting method inserted, screwed Mechanical data Mounting data Mounting method inserted, screwed PUR Locking material served. Size C Operating temperature min. 25 °C Operating temperature max. 85 °C		
customs tartiff number 85444290 GTIN 4048879137706 Packaging unit 1 Electrical data Drop-out delay time max. 20 ms Electrical data Suppty Operating voltage AC min. 19,2 V Operating voltage AC min. 19,2 V Operating voltage AC max. 28,8 V Operating voltage DC max. 30 V Operating voltage DC max. 30 V Current operating per contact max. 4 A Current operating per contact max. 12 mA Diagnostice Vellow Status indication LED yellow Device protection Electrical Vellow Device protection Electrical Verification LED (EN IEC 60529) Degree of protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60684-1) I Indication Let Meterial data Verzinkt Coating locking verzinkt		
GTIN 4048879137706 Packaging unit 1 Electrical data Drop-out delay time max. 20 ms Electrical data Supply Deparating voltage AC 24 V Operating voltage AC min. 19.2 V Deparating voltage AC min. 19.2 V Operating voltage DC max. 28.8 V Deparating voltage DC min. 18 V Operating voltage DC min. 18 V Deparating voltage DC max. 30 V Oursent operating per contact max. 4 A 4 4 Current consumption max. 12 mA 4 4 4 Device protection Electrical Per Madditional CED yellow Per Madditional Centrical Per Madditional Centrical Per Madditional condition protection degree 18 N V Degree of protection Electrical Per Madditional condition protection degree 3 3 3 4 Additional condition protection degree 18 N V 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 <td></td> <td></td>		
Packaging unit 1 Electrical data 20 ms Electrical data Suppty Doperating voltage AC Operating voltage AC min. 19.2 V Operating voltage AC max. 28.8 V Operating voltage DC max. 28.8 V Operating voltage DC max. 30 V Operating voltage DC max. 30 V Cut-oft peak voltage max. 55 V Cutrent operating per contact max. 4 A Current operating per contact max. 4 A Diagnostics Velow Status indication LED yellow Degree of protection [Electrical Velow Degree of protection [EN IEC 60529) IP67 Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) 1 Additional surgeressor Diode, 2-Diode Mechanical data Material data Material goal (Expressor) Color housing black Material gasket PUR Locking material issele <	GTIN	
Electrical data Drop-out delay time max. 20 ms Electrical data Supply Operating voltage AC 24 V Operating voltage AC in 19.2 V Operating voltage AC max. 28.8 V Operating voltage AC max. 28.8 V Operating voltage DC in 24 V Operating voltage DC in 18 V Operating voltage DC min. 18 V Operating voltage DC min. 20 V Operating voltage DC min. 20 V Operating voltage DC max. 30 V Cut-off peak voltage max. 55 V Current operating per contact max. 4 A Current operating per contact max. 4 A Diagnostics Status indication LED yellow Device protection Electrical Device of protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage C6664-1) I Additional condition protection degree inserted, screwed Meterial group (IEC 60664-1) I Additional surge yoltage Diode, Z-Diode Mechanical data Material data Coding looking verzinkt Coding looking Verzinkt Coding material Seel Werken Seel Mechanical data Mounting data		
Drop- out delay time max. 20 ms Electrical data Supply Operating voltage AC min. 19,2 V Operating voltage AC min. 28,8 V Operating voltage DC max. 24 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Cutrent operating per contact max. 4 A Cutrent operating per contact max. 4 A Cutrent operating per contact max. 4 A Diagnostics Vellow Device protection [Electrical Vellow Device protection [En LEC 60529] 1P67 Additional condition protection degree inserted, screwed Pollution Degree 3 Related surge voltage 0,8 kV Material group (IEC 60664-1) 1 Additional suppressor Diode, Z-Diode Mechanical data Material data Verzinkt Cooting locking Verzinkt Cooting locking Verzinkt Cooting material Steel Mechanical data Mounting data Mechanical data Mounting data Mounting method		
Electrical data Supply Operating voltage AC		20
Operating voltage AC min. 19,2 V Operating voltage AC min. 19,2 V Operating voltage AC max. 28,8 V Operating voltage DC max. 24 V Operating voltage DC max. 30 V Cut-off peak voltage max. 55 V Cut-or peak voltage max. 4 A Current operating per contact max. 4 A Current operating per contact max. 4 A Current operating per contact max. 12 mA Diagnostics Status indication LED yellow Device protection [Electrical Degree of protection (EN IEC 60529) IP67 Additional condition protection degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Additional suppressor Diode, Z-Diode Mechanical data Material data Cooting locking verzinkt Color housing black Material gasket PUR Locking material Steel Mechanical data Mounting data	· · ·	20 ms
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. 12 mA Diagnostics Status indication LED yellow Degree of protection Electrical Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) 1 Additional suppressor Diode, 2-Diode Mechanical data Material data Coating locking verzinkt Coating locking verzinkt Color housing black Material data Mounting data	Electrical data Supply	
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 Current consumption max. 12 mA Diagnostics Status indication LED yellow Device protection Electrical Degree of protection Electrical Degree of protection of (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 6064-1) I Additional suppressor Diode, 2-Diode Mechanical data Material data Color housing Material gasket PUR Color housing black Material gasket PUR Locking material steel Mechanical data Mounting data Mechanical data Mounting data Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Clim	Operating voltage AC	24 V
Operating voltage DC prince of the second se		<u> </u>
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. 12 mA Diagnostics Status indication LED yellow Device protection Electrical Degree of protection (EN IEC 60529) IP67 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 Verzinkt Cooling locking verzinkt Color housing black Material gasket PUR Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature max. 85 °C		
Operating voltage DC max. 55 V Current operating per contact max. 4 A Current consumption max. 12 mA Diagnostics Status indication LED yellow Device protection Electrical Degree of protection (EN IEC 60529) IP67 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 Color housing black Material gasket PUR Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Deperating temperature min. 25 °C Operating temperature max. 85 °C		
Cut-off peak voltage max. 55 V Current operating per contact max. 4 A Current consumption max. 12 mA Diagnostics Status indication LED yellow Device protection Electrical Degree of protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage (3,8 kV) Material group (IEC 60664-1) I Additional suppressor Diode, Z-Diode Mechanical data Material data Coating locking verzinkt Color housing black Material gasket PUR Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Coperating temperature min25 °C Coperating temperature max. 85 °C		
Current operating per contact max. 4 A Current consumption max. 12 mA Diagnostics Status indication LED yellow Device protection Electrical Degree of protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) IP0 Mechanical data Material data Coating looking verzinkt Color housing black Material gasket PUR Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Degrating temperature min25 °C Operating temperature max. 84		
Diagnostics Status indication LED yellow Degree of protection Electrical Degree of protection (EN IEC 60529) IP67 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 Color housing black Material gasket PUR Locking material data Munting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C		
Diagnostics Status indication LED yellow Device protection Electrical Degree of protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) ISA Additional suppressor Diode, Z-Diode Mechanical data Material data Coating locking verzinkt Color housing black Material gasket PUR Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C		
Status indication LED periode protection Electrical Degree of protection (EN IEC 60529) IP67 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 Color housing black Material gasket PUR Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Doperating temperature min25 °C Operating temperature max. 85	·	12 MA
Degree of protection Electrical Degree of protection (EN IEC 60529)	Diagnostics	
Degree of protection (EN IEC 60529) Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) Additional suppressor Diode, Z-Diode Mechanical data Material data Coating locking verzinkt Color housing black Material gasket PUR Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C	Status indication LED	yellow
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 Color housing black Material gasket PUR Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C	Device protection Electrical	
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 Color housing black Material gasket PUR Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C	Degree of protection (EN IEC 60529)	IP67
Rated surge voltage 0,8 kV Material group (IEC 60664-1) 1 Additional suppressor Diode, Z-Diode Mechanical data Material data Coating locking verzinkt Color housing black Material gasket PUR Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1) Additional suppressor Diode, Z-Diode Mechanical data Material data Coating locking verzinkt Color housing black Material gasket PUR Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature max. 85 °C	Pollution Degree	3
Additional suppressor Mechanical data Material data Coating locking verzinkt Color housing black Material gasket PUR Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature max. Diode, Z-Diode verzinkt Diode, Z-Diode Verzinkt Verzink	Rated surge voltage	0,8 kV
Mechanical data Material data Coating locking verzinkt Color housing black Material gasket PUR Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C	Material group (IEC 60664-1)	I
Coating locking verzinkt Color housing black Material gasket PUR Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C	Additional suppressor	Diode, Z-Diode
Color housing black Material gasket PUR Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C	Mechanical data Material data	
Material gasket PUR Locking material Steel Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C	Coating locking	verzinkt
Locking material Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C	Color housing	black
Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C	Material gasket	PUR
Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C	Locking material	Steel
Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C	Mechanical data Mounting data	
Operating temperature min25 °C Operating temperature max. 85 °C	Mounting method	inserted, screwed
Operating temperature max. 85 °C	Environmental characteristics Climatic	
Operating temperature max. 85 °C	Operating temperature min.	-25 °C
Additional condition temperature range depending on cable quality	Operating temperature max.	85 °C
	Additional condition temperature range	depending on cable quality

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

Important installation notes		
ote on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	
ote on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	
nstallation Cable		
ire arrangement	black 1, black 2, black 3, green-yellow	
able identification	637	
able Type	3	
rinting color of wire insulation	white (isolation black)	
acket Color	black	
ype of Certificate	cURus	
mount stranding	1	
tranding	4 wires twisted	
ire arrangement	black 1, black 2, black 3, green-yellow	
able weigth	69,3 g/m	
laterial jacket	PUR	
hore hardness jacket	90 ± 5 Shore A	
reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	
reedom from ingredients (jacket)	6,5 mm	
olerance outer diameter (sheath)	± 5 %	
, ,	PP	
laterial wire insulation	4	
mount wires		
uter diameter insulation	1,85 mm	
uter diameter tolerance core insulation	±5%	
hore hardness wire insulation	70 ± 5 Shore D	
gredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	
rinting color of wire insulation	white (isolation black)	
mount strands (wire)	42	
iameter of single wires	0,15 mm	
onductor crosssection (wire)	0,75 mm ²	
laterial conductor wire	Stranded copper wire, bare	
onductor type (wire)	strand class 6	
ominal voltage AC max.	300 V	
urrent load capacity (standard)	to DIN VDE 0298-4	
urrent load capacity min. wire	9,6 A	
lectrical resistance line constant wire	26 Ω/km @ 20 °C	
C withstand voltage (wire - wire)	2,5 kV @ 60 s	
ower frequency withstand voltage (wire - cket)	2,5 kV @ 60 s	
lin. operating temperature (static)	-40 °C	
lax. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation	
perating temperature min. (dynamic)	-25 °C	
perating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation	
V resistance	DIN EN ISO 4892-2 A	
lame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090	
nemical resistance	Good, application-related testing	
asoline resistance	Good, application-related testing	
il resistance	DIN EN 60811-404 Good, application-related testing	
ending radius (fixed)	5 x Outer diameter	
ending radius (dynamic)	10 x Outer diameter	
o. of bending cycles (C-track)	10 Mio. @ 25 °C	
raversing distance (C-track)	10 m @ 25 °C horizontal	
ravel speed (C-track)	3 m/s @ 25 °C	

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



Torsion stress ± 180 °/m

Torsion speed 35 cycles/min