



#### General ordering data

Order No.	8561230000
Part designation	PU 1 TSG 50kA / 1,5kV
Version	Surge protection for low-voltage supply, Rated voltage: 230 V
EAN	4032248208289
Qty.	1 pc(s).

#### Product notes

Note, ordering data	Cross-connection QB 18-4 order no. 8619440000 Cross-connection QB 18-6 order no. 8619450000
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#### Product description

Function	Class I lightning arrester with triggered sparkover gap for industrial applications
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#### Note, accessories

	Designation BZ18, PE PE PE PE PE, order no. 8619470000 Designation BZ18, L1 L2 L3 N PE, order no. 8619460000
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#### Clamped conductors

Rated cross-section for solid/flexible with ferrule	35 mm <sup>2</sup>
Stranded, max.	25 mm <sup>2</sup>
Stranded, min.	10 mm <sup>2</sup>
Tightening torque range	4.5 Nm
Type of connection	Screw connection

#### General data

Optical function display	No
Design	Installation housing
Pollution severity	2
Type of connection	Screw connection
Rated cross-section for solid/flexible with ferrule	35 mm <sup>2</sup>

#### General data

solid	
flexible	
Flexible w. ferrule (DIN 46228-1)	
stranded	10 ... 25 mm <sup>2</sup>
Ambient temperature (operational)	-40 ... 85°C
Storage temperature	-40 ... 85°C
Note, accessories	Designation BZ18, PE PE PE PE PE, order no. 8619470000 Designation BZ18, L1 L2 L3 N PE, order no. 8619460000

#### Insulation coordination acc. to EN 50178

Overvoltage category	III
Pollution severity	2

#### Interference voltage

On output side (L /N - PE) at max. discharge current; smaller	1,500 V
On output side, smaller	1500 V

#### Protective elements

Optical function display	No
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#### Technical data

Rated voltage	230 V
Rated voltage (AC)	230 V
Max. continuous voltage, U <sub>c</sub> (AC)	260 V
Requirements class, acc. to IEC 61643-1	Class I
Requirements class, acc. to EN 61643-11	T1
Acc.to DIN VDE 0675-6	Requirements class B
Lightning test current I <sub>imp</sub> (10/350 μs)	50 kA with 25 As charge
Specific energy, per path	625 kJ/Ω
Short-circuit current extinction without back-up fuse	500 A / 50 Hz
Short-circuit strength with max. back-up fuse	25 kA
Sparkover time	≤ 1 μs
Fuse, max.	125 A gI
Protection level U <sub>p</sub> (typical)	1500 V
Leakage current at U <sub>n</sub>	2.5 mA
AC/DC/UC	AC
Discharge current, max. (10/350 μs)	50 kA
Mains frequency at 250 V <sub>max</sub>	50...60 Hz

#### Dimensions

Clamping range, max.	35 mm <sup>2</sup>
Clamping range, min.	10 mm <sup>2</sup>
Clamping range, nom.	35 mm <sup>2</sup>
Length	91 mm
Height	63 mm
Width	18 mm

### Approvals

Approvals institutes



### Classifications

eClass 4.1	27-14-02-01
eClass 5.0	27-14-02-01
eClass 5.1	27-14-02-01

### Similar products

Order No.	Part designation	Version
8561260000	PU 1 TSG 35kA / 0,9kV	Surge protection for low-voltage supply, Rated voltage: 230 V
8762020000	PU 1 TSG 100kA/1,5 kV	Surge protection for low-voltage supply, Rated voltage: 230 V
8561220000	PU1 TSG Plus 330 VAC 0,9kV	Surge protection for low-voltage supply, Rated voltage: 230 V
8561250000	PU1 TSG Plus 440 VAC 1,5kV	Surge protection for low-voltage supply, Rated voltage: 400 V