



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



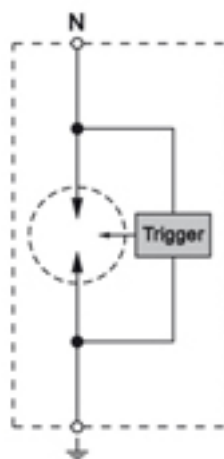
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General ordering data

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
Product description	
Function	Class I lightning arrester with triggered sparkover gap for industrial applications
Note, accessories	Designation BZ18, PE PE PE PE PE, order no. 8619470000 Designation BZ18, L1 L2 L3 N PE, order no. 8619460000

Clamped conductors

Rated cross-section for solid/flexible with ferrule	35 mm ²
Stranded, max.	25 mm ²
Stranded, min.	10 mm ²
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 ²

General data

solid	
flexible	
Flexible w. ferrule (DIN 46228-1)	
stranded	10 ... 25 mm ²
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 _c (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 _{imp} (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 _p (typical)	1500 V
Leakage current at U _n	2.5 mA
AC/DC/UC	AC
Discharge current, max. (10/350 μs)	50 kA
Mains frequency at 250 V _{max}	50...60 Hz

Dimensions

Clamping range, max.	35 mm ²
Clamping range, min.	10 mm ²
Clamping range, nom.	35 mm ²
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