High-voltage protection

AD-BS 1 ST

Description

For the protection of 2 low voltage measuring leads against steep and energy-rich over voltage peaks, which can occur, for instance, through lightning strikes, switching processes in the network and connected devices, through inductive influences or static charging.

Application

Electric: match-terminated high loadability rough protection elements (gas arrester)

Mechanical: The over voltage rough protection consist of a three-polar terminal block (system Phoenix URELG-3) and the plug-in, two-wire protection element.

Characteristics

- Rough protection for a double wire
- In longitudinal branch without inductives, up to 2A loadability
- Use of teh basic terminal instead of the switching unit terminal block
- simple exchange of the protection elements, even by untrained personnel
- When removing the protection element the measuring lead is interrupted, therefore operation without protection is impossible

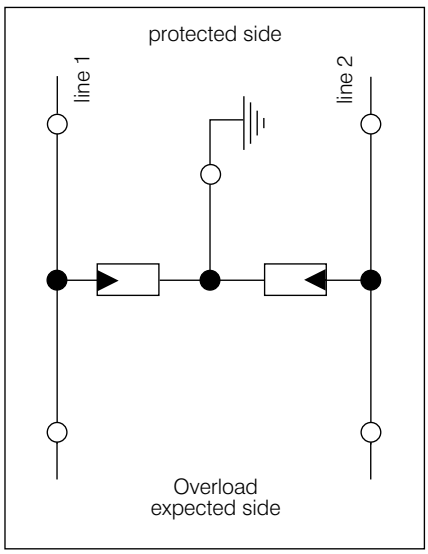
Technical data

Rated voltage:	90V (wire to earth)
Voltage limitation with 1 kV/μs:	< 450 V
Series resistance each wire:	0 Ohm
Max. nominal current each wire:	2 A
Discharge current each wire:	10 kA (8/20)
Operating time:	< 100 ns
Type of protection:	IP 20
Ambient temperature:	-20°C to +60°C
Weight:	approx. 120 g

Fuse

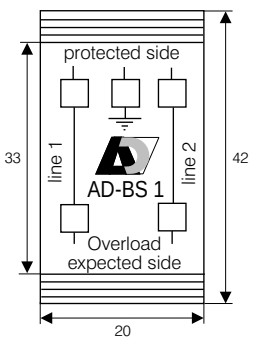
Gas filled arresters can only interrupt self-sustaining currents. If in a particular case too high follow currents of the source must be expected, a dimensioned melt protection must be switched upstream from the arrester as neutralising aid!

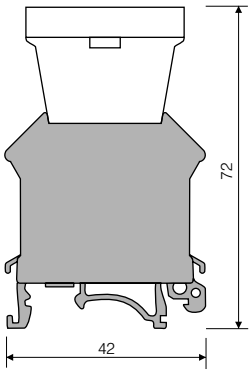
Connection and dimension: AD-BS 1 ST



weight: max. 100 g
protection: IP 20
manner of fastening
35mm DIN rail (EN50022)

connection data:
fine-wire: 4,0 mm²
single-wire: 4,0 mm²
max. voltage: 250 V~





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