

# Technical data sheet

## Basic protection for 4-wire information technology systems with RJ45

Item no. 5081001



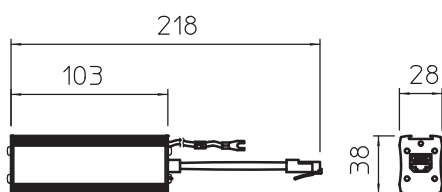
Data line protection device for IT systems

- In aluminium housing
- RJ45 connector
- Incl. 150 mm connection cable with RJ45 connectors
- Simple mounting using adapter
- 2-stage protection circuit
- DIN rail mounting with DLS-BS accessories (5082 38 2)

Application: Twisted Pair, control circuits, RJ45 communication cables



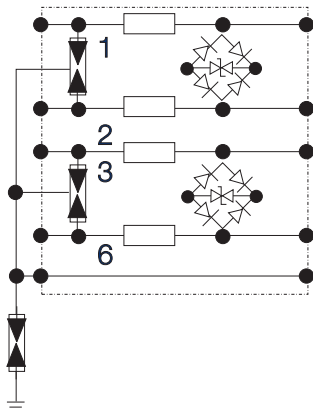
### Dimensions



### Master data

Item no.	5081001
Type	RJ45 S-E100 4-B
Description 1	Basic protection device
Description 2	for data technology
Dimension	170V
Smallest sales unit (VG)	1 Piece
Weight	14,00 kg/100 pc.

### Technical data



Arrestor monitoring	<input type="checkbox"/>
Category	Type 1+2 / D1+C2
SPD to IEC 61643-21	Class I+II / D1+C2
Version	Basic protection, 4 wires + shield
Number of poles	4
Channel performance ISO/IEC	Class E
Channel performance Ansi/EA	CAT 5e
Insertion loss	≤3 dB
Earthing via:	Connection cable
Total discharge current (8/20)	7,5 kA
Total discharge current (10/350)	2,5 kA
Frequency range	0 - 463 MHz
Frequency range	0,00 - 463,00 MHz
Cut-off frequency	463,00 MHz
Maximum continuous voltage AC	120,00 V
Maximum continuous voltage DC	170,00 V
Insulation resistance	>1 GΩ
Impulse discharge current (10/350)	0,50 kA

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Capacity (wire-wire)	<20 pF
Capacity (wire-earth)	<20 pF
Lightning protection zone LPZ	0→2
Rated current	1,00 A
Nominal load current AC	0,70 A
Nominal load current DC	1,00 A
Installation type	Connector/cable adapter
Testing standard	IEC 61643-21
Shielding connection available	Yes
Shield connection	Indirect
Protection rating	IP40
Protection level wire-wire	<700 V
Protection level wire-earth	<850 V
Signalling on device	Without
Connection system	RJ45
Impulse durability wire-wire	C2: 3 kV / 1,5 kA (8/20µs)
Impulse durability wire-earth	C2: 3 kV / 1,5 kA (8/20µs)
Temperature range	-40+80 °C