

# Technical data sheet

## Combination arrester for 4-wire information technology systems with RJ45

Item no. 5081003



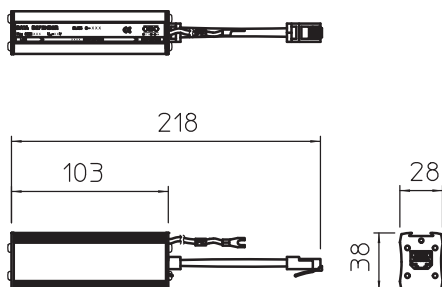
Data line protection device for IT systems

- 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



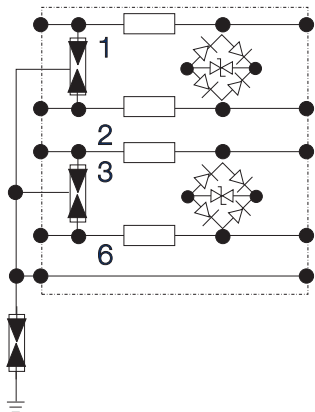
### Dimensions



### Master data

Item no.	5081003
Type	RJ45 S-E100 4-C
Description 1	Combined protective device
Description 2	for data technology
Dimension	6.2V
Smallest sales unit (VG)	1 Piece
Weight	14,00 kg/100 pc.

### Technical data



Arrestor monitoring	<input type="checkbox"/>
Category	Type 1+2+3 / D1+C2+C1
SPD to IEC 61643-21	Class I+II+III / D1+C2+C1
Version	Combined 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 - 109 MHz
Frequency range	0,00 - 109,00 MHz
Cut-off frequency	109,00 MHz
Maximum continuous voltage AC	4,20 V
Maximum continuous voltage DC	6,20 V
Insulation resistance	>500 MΩ
Impulse discharge current (10/350)	1,50 kA

# Technical data sheet

## Combination arrester for 4-wire information technology systems with RJ45

Item no. 5081003



### Technical data

Capacity (wire-wire)	<50 pF
Capacity (wire-earth)	<20 pF
Lightning protection zone LPZ	0→2
Rated current	0,30 A
Nominal load current AC	0,20 A
Nominal load current DC	0,30 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	<70 V
Protection level wire-earth	<850 V
Series resistance per wire	4,7 Ω ± 10%
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