

# Technical data sheet

## Fine protection 8-F for Ethernet networks (Class D/CAT 5)

Art.-Nr. 5081990



Universal data cable protection device for network technology and telecommunication systems

- In aluminium housing
- Protection for 8 cores
- With two-stage protective circuit
- Simple mounting
- With RJ45 Western connector
- Incl. 150 mm connection cable with RJ45 connectors
- Cat 5e network technology, 10BaseT, 100BaseT, 1000BaseT
- DIN rail mounting with accessories DLS-BS (5082 38 2)

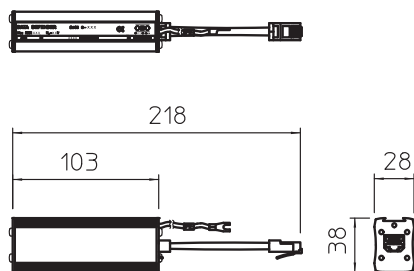
Application: For analogue, ISDN, DSL systems, Ethernet Twisted Pair.



Additional product text 1

- Usable in networks of Class D or CAT 5e
- Can be locked onto DIN profile rails or mounted directly at the terminal
- Simple installation using RJ45 connection technology
- Optimised transmission properties

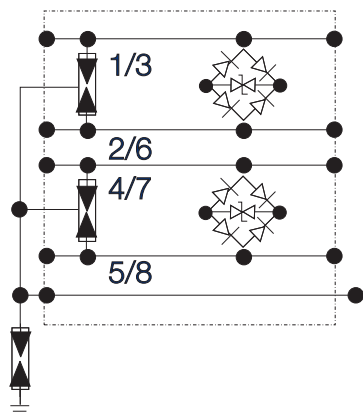
### Dimensions



### Master data

Item no.	5081990
Type	RJ45 S-ATM 8-F
Description 1	Fine protection device
Description 2	for Ethernet networks
Dimension	6.2V
Smallest sales unit	1,00 Piece
Weight	14,00 kg/100 pc.

### Technical data



Arrestor monitoring	<input type="checkbox"/>
Category	Type 2+3 / C2+C1
SPD to IEC 61643-21	Class II+III / C2+C1
Version	Fine protection, 8 wires + shield
Number of poles	8,00
Channel performance ISO/IEC	Class D
Channel performance Ansi/EA	CAT 5e
Insertion loss	<3 @ 150 MHz dB
Earthing via:	Connection cable
Total discharge current (8/20)	7,5 kA
Frequency range	>155 MHz
Cut-off frequency	155,00 MHz
Maximum continuous voltage AC	4,20 V
Maximum continuous voltage DC	6,20 V
Insulation resistance	>1 GΩ

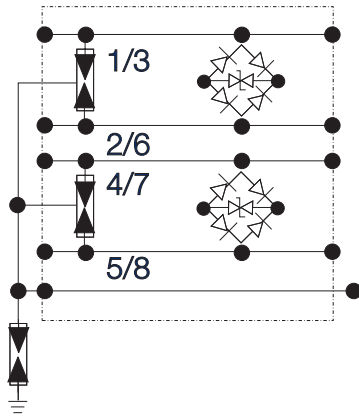
# Technical data sheet

## Fine protection 8-F for Ethernet networks (Class D/CAT 5)

Art.-Nr. 5081990



### Technical data



Capacity (wire-wire)	<50 pF
Capacity (wire-earth)	<10 pF
Lightning protection zone LPZ	1→3
Rated current	1,00 A
Installation type	Connector/cable adapter
Testing standard	IEC 61643-21
Shielding connection available	Yes
Shield connection	Direct
Protection rating	IP40
Protection level wire-wire	<40 V
Protection level wire-earth	<900 V
Connection system	RJ45 8(8)
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