

Datasheet

# SG-200



## Overvoltage protection module for effective protection of All-IP telecommunications connections



- Perfectly secured telecommunications infrastructure
- Plug and play – commissioning made as quick and easy as possible
- Full performance – bandwidths guaranteed
- No productivity hits when Internet access fails

### Your advantages in detail

Use the modules in the SG series to can protect your router or a remote end device on your ITC infrastructure against power surges from the communications network. The SG-200 is the best choice for use on All-IP connections such as VDSL or ADSL without splitters.

Note: the SG-100 is designed for use on ADSL connections with splitters, ISDN or remote exchange line connections, remote analogue extensions, remote  $U_{p0}$  extensions or analogue door terminals.

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SG-200

# Features at a glance

## FEATURES

- VDSL connections
- Suitable for VDSL 100
- ADSL connections without splitters

## TECHNICAL SPECIFICATIONS

- Usable in compliance with country-specific requirements: across Europe
- Ambient temperature in operation | in storage: -5 to +40 °C | -40 to +70 °C
- Relative humidity in operation: 5 % to 95 %, non-condensing
- Type of installation: wall mounting
- Protection class: IP20
- Casing material: plastic (fire-proof), black
- Dimensions (w x h x d): 142 mm x 81 mm x 27 mm
- Weight: 111 g
- Compliance: CE
- Surge arrester class: Type 2P1
- Rated voltage ( $U_N$ ): 20 V AC
- Highest continuous voltage ( $U_C$ ): 28 V AC / DC
- Rated current at 45 °C ( $I_L$ ):  $\leq 60$  mA
- C2 rated discharge surge current 5 kV (8/20  $\mu$ s) ( $I_n$ ): 5 kA
- C2 rated discharge surge current 5 kV (8/20  $\mu$ s) per core ( $I_n$ ):  $\leq 2.5$  kA (operation with wire terminal)  $\leq 2$  kA (operation via RJ45 socket)
- Protective level, core-core at C2 ( $U_p$ ):  $\leq 45$  V
- Protective level, core-PG at C2 ( $U_p$ ):  $\leq 230$  V
- Serial impedance per core (0 to 30 MHz): 3.8  $\Omega$  resistive  $\pm 20$  %, +100 nF capacitive
- Cut-off frequency, core-core (100  $\Omega$ ) ( $f_G$ ): 35 kHz to 80 MHz
- Capacity, core-core (C):  $\leq 15$  pF
- Capacity, core-PG (C):  $\leq 10$  pF
- Pulse reset time:  $\leq 160$  ms
- Overload failure mode: Mode 3 (disconnect line)

## DELIVERY

- Surge protection module
- RJ-45 connecting cable
- Mounting hardware
- Installation guideline

## ORDERING INFORMATION

Designation: SG-200

Article number: 90078

EAN Code: 4019377900789