

Datasheet

SG-100



Overvoltage protection module for effective protection of traditional 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-100 is the best choice for use on ADSL

connections with splitters, ISDN or remote exchange line connections, remote analogue extensions, remote U_{PO} extensions or analogue door terminals. Note: the SG-200 is designed for use on All-IP connections such as VDSL or ADSL without splitters.

do you speak
FONtevo[®]

SG-100

Features at a glance

FEATURES

- ADSL connection with splitter
- ISDN exchange line connection
- Analogue exchange line connection
- Remote analogue or U_{P0} extension or analogue door terminal
- ADSL and VDSL connections with bandwidth reduced, but above minimum guaranteed access line speed

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: 106 g
- Compliance: CE
- Surge arrester class: Type 2P1

- Rated voltage (U_N): 70 V AC / 100 V DC
- Highest continuous voltage (U_C): 85 V AC / 120 V DC
- Rated current at 45 °C (I_L): ≤ 200 mA
- C2 rated discharge surge current 5 kV (8/20 μ s) (I_n): 5 kA
- C2 rated discharge surge current 5 kV (8/20 μ s) per core (I_n): ≤ 2.5 kA (operation with wire terminal) ≤ 2 kA (operation via RJ45 socket)
- Protective level, core-core at C2 (U_P): ≤ 130 V
- Protective level, core-PG at C2 (U_P): ≤ 230 V
- Serial impedance per core (0 to 30 MHz): $2.4 \Omega \pm 20 \%$
- Cut-off frequency, core-core (100 Ω) (f_G): 0 to 100 MHz
- Capacity, core-core (C): ≤ 10 pF
- Capacity, core-PG (C): ≤ 10 pF
- Pulse reset time: ≤ 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-100

Article number: 90077

EAN Code: 4019377900772