

LIGHTNING & VOLTAGE SURGE ARRESTERS FOR "FLOATING" DC ANALOGUE SIGNALS: Imax 20KA 8/20 & Iimp 5KA 10/350



Raycap

**TYPES: SPH-2/30VDC (single channel)
SPH-4/30VDC (double channel)**



FEATURES

- Wired in series, maximum 1 Amp
- Suitable for floating DC analogue signals & TTL levels
- 0-10VDC, 0-10mA, 0-20mA, 4-20mA etc.
- Suitable for PT100 applications
- Available single or double channel
- No fusing required
- Width only 12mm

DESCRIPTION & MODE OF OPERATION

These units are designed to protect all DC "floating" analogue signal lines both voltage and mA, including TTL levels and PT100 signals. The maximum potential of any signal line can be 30VDC, signal lines are wired in series, maximum current 1 Amp. Available as either single channel or double channel, in the case of a double channel each channel is isolated from each other. Protection is via Gas Discharge Tube technology and high speed silicon avalanche diodes. The plug in module facilitates the replacement of a failed GDT without the need to disconnect the system wiring and as it is in parallel across the system, failure or removal of the module does not interrupt the analogue signal lines.

SPECIFICATIONS

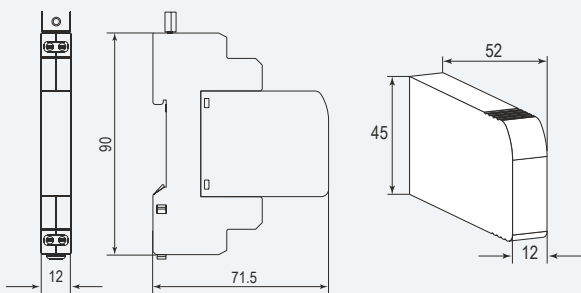
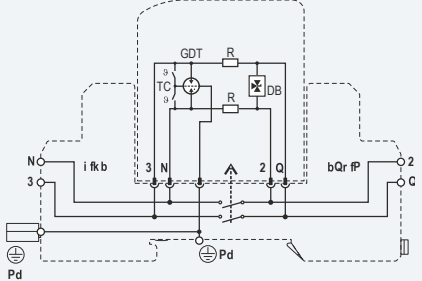
Complies with: IEC / EN61643-21
 Category: D1 / C1 / C2 / C3
 Maximum in series current rating: 1 Amp
 Nominal max system voltage: 30VDC
 Absolute max system voltage: 33VDC
 C2 Nominal discharge current 8/20: 10KA
 Maximum discharge current 8/20: 20KA
 D1 impulse current 10/350: 5KA
 Response time Line - Line: <1n Sec
 Response time Line - Ground: <100n Sec
 Serial impedance: Max 2 Ohms
 Operating temperature range: -40°C to +80°C
 Terminal cross section: 4mm² stranded cable

ORDERING INFORMATION

Type			Spare Modules
SPH-2/30VDC	(single channel)	7082.84	30VDC 7082.85
SPH-4/30VDC	(double channel)	7082.82	30VDC 7082.83

DIMENSIONS & INTERNAL CONFIGURATION

SPH-2/30VDC



SPH-4/30VDC

Legend
 GDT Gas Discharge Tube
 MOV Metal Oxide Varistor
 PE Ground
 R Resistor
 RC Remote Control (NC)

