

Terminal Protection to IP20



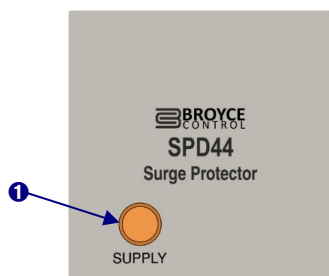
Dims: to DIN 43880 W. 44mm

- Protects equipment against over voltage transients
- Incorporates both Metal Oxide Varistors and Gas Discharge Tubes
- Long working life
- Fast response time
- Neon indicator for supply presence
- Grouped terminals for ease of connections
- Suited to single-phase applications
- DIN Rail mounting



FRONT INDICATION

1. Supply present (Orange) neon



INSTALLATION



Installation work must be carried out by qualified personnel.

- BEFORE INSTALLATION, ISOLATE THE SUPPLY.
- The diagram below shows a typical example whereby the unit is protecting a single phase installation.
- Depending on circuit ratings, the fuse size should be chosen accordingly.

Terminal layout/Connections.

- Despite only requiring 3 actual connections, additional terminals are provided allowing several wires to be terminated if required.

Applying power.

- As soon as power is applied, the orange colour "SUPPLY" ① neon will illuminate.

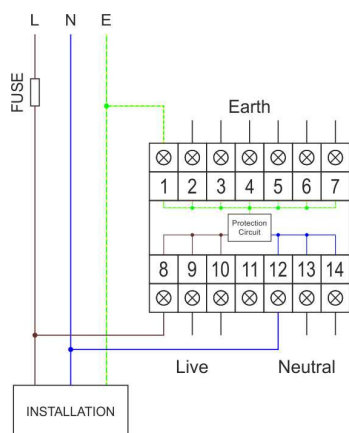
Troubleshooting.

- If the orange neon fails to illuminate, check the voltage is present to terminals L and N and within the working limits of the device
- Also check the external protection fuse has not blown.

TECHNICAL SPECIFICATION

Supply voltage Un: (L, N)	230/240V AC/DC
Frequency range:	48 – 63Hz (AC supplies)
Overvoltage category:	III (IEC 60664)
Rated impulse withstand voltage:	4kV (1.2/50µs) IEC 60664
Supply present indication:	Orange Neon
Current rating:	16A (when used with a suitable Miniature Circuit Breaker)
Leakage current:	100µA @ 250V AC
Response time:	< 25ns
Capacitance:	< 5nF @ 1kHz
Insulation resistance:	> 1000 MΩ (applicable to internal Metal Oxide Varistors only)
Voltage temperature co-efficient:	-0.05%/°C (applicable to internal Metal Oxide Varistors only)
Max. clamping voltage: (with current waveform 1.2/50µs – Short circuit current 100A ±10A)	< 900V (Phase/neutral) < 1300V (Phase/earth)
Transient withstand capacity:	x5 @ 5kA (Phase/neutral) x3 @ 5kA (Phase/earth) (8/20µs waveform)
Ambient temp:	-20 to +60°C
Relative humidity:	+95% max.
Housing:	Grey flame retardant Lexan UL94 V0
Weight:	48g
Mounting option:	On to 35mm symmetric DIN rail to BS EN 60715
Terminal conductor size	≤ 2 x 2.5mm ² solid or stranded
Approvals:	Conforms to IEC. CE, and RoHS Compliant. EMC: Immunity: EN 61000-6-2 Emissions: EN 61000-6-4

CONNECTION DIAGRAM



DIMENSIONS

