

# -PowerBreaker-

## SPD Type 2 Range - Information Sheet

(Surge Protective Device)

The PowerBreaker range of circuit protection devices are designed and tested for use with PowerBreaker Consumer Units.

These devices **MUST** be installed and tested by a qualified electrician in accordance with the latest Wiring Regulations (BS7671).

### MAINTENANCE / TESTING

PBSPD surge protection units should last for many years and protect all the electronic products within your property from transient voltage spikes.

The module has two indicator flags, the green indicator should be 'On' continuously which shows that its functioning correctly. Indicator flags should be monitored on a regular basis and we suggest that if you live in an area subject to power cable or industrial transient spikes it should be checked on a three monthly rota.

If the surge unit shows the 'Red' indicator then it should be replaced with the 'PBSML' plug in replacement unit as soon as possible by a qualified electrician.

Please note that if the 'Red' indicator is 'On' it does not affect the operation of the consumer unit.

Please see  
wiring Diagram overleaf



Please keep this information  
for future reference



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### TECHNICAL INFORMATION

	PBSPD		PBSML	
Description	Type 2 SPD Supplied in SPD Kit Part No: PBSUWK		Type 2 SPD - Replacement module	
Pack Quantity	-		1	
Barcode	-		5012739648717	
Test Class	Type II		Type II	
Terminal Connections	L - N	N - PE	L - N	N - PE
Rated Working Voltage of Uo (v)	230V~50Hz		230V~50Hz	
Max. Discharge Current I <sub>max</sub> 8/20µs	40kA		40kA	
Nominal Discharge Current I <sub>n</sub> 8/20µs	20kA		20kA	
Max. Continuous Operation Voltage U <sub>c</sub>	275V	255V	275V	255V
Voltage Protection Level U <sub>p</sub>	1.5kV		1.5kV	
Short Circuit Current Rating I <sub>sc</sub>	500A		500A	
Protection Type	MOV	Gas Discharge Tube	MOV	Gas Discharge Tube
Wiring Capacity	L/N 2.5mm <sup>2</sup> , PE 6mm <sup>2</sup>		L/N 2.5mm <sup>2</sup> , PE 6mm <sup>2</sup>	
Number of Poles	2		2	
Protection Class	IP20		IP20	
Status Indicator	Green - Normal Red - Failure		Green - Normal Red - Failure	
Mounting	35mm Din Rail		Push Fit Cartridge	
Casing Material	Thermal Plastic UL94V-0		Thermal Plastic UL94V-0	
Dimensions	L81.6 x W18 x D68.5mm		L46.3x W18 x D49.15mm	
Guarantee	3 Years		3 Years	
Conforms To	EN 61643-11		EN 61643-11	

**GUARANTEE**  
Your PowerBreaker SPD  
is guaranteed for 3 years from  
the date of purchase.  
This is in addition to your statutory rights

# SPD Wiring Diagram

