

**Specifications:**

Current rating : 3A, 250V.

Surge Protection Data:

Voltage : 220V to 240V.
Maximum operating voltage : 300V ac (rms).
Mains three way protection : LN LE NE.
Peak current : 4.5kA.
Maximum energy : 3 x 125J.
Maximum clamping voltage : 775 volts.
Response time : <50ns.

Standard:

BS 1363/A; BS5733/A.

Conditions for Use:

An ambient temperature in the range -5°C to +40°C, the average value over 24 hours not exceeding 25°C.

A situation not subject to exposure to direct radiation from the sun or other source of heat like to raise temperatures above the limits.

An altitude not exceeding 2000 metres above sea level.

An atmosphere no subject to abnormal pollution by smoke, chemical fumes, rain, spray, prolonged periods of high humidity or other abnormal conditions.

Safety Specifications

Item	Conditions	Requirements
Appearance	-	No defect such as cracks, deep scratches or blemishes
Marking	-	Shall be legible and must be clear
Insulation resistance	500 + 250Vdc 1 minute	Shall not be less than 5MΩ
Dielectric strength	2000 ±60V 1 minute	No damage or breakdown
Resistance to aging	70° ±5° 168 hours	No cracks or become sticky
Construction	20° ±5°	Complied with Figure 11, 12, 14, 16 gauge
Torque test	Value of 0.6Nm (6.1kgf/cm)	Terminal, cord grip and cover screws shall withstand the torque applied
Glow wire Test	650°/750° electrically heated	Flame must extinguish within 30 seconds.

Safety Specifications

Item	Conditions	Requirements
Temperature rise	14A, 250V	Temperature rise must not exceed: 1. Terminals or terminations : 52K 2. Accessible surface : 52K
Make and break test of switch	13A, 250V (15,000 times)	Voltage drop across each switched pole shall not exceed 75mV.
Drop test	Fit with 3G1.25mm ² cable, 2.25m and drop at a height of 0.4m above the floor.	No external damage which might affect safety and no components shall have become detached.
Live parts accessibility	Subjected to 1.0mm test probe with applied force of 5N when they are mounted and wired as in normal use.	Live parts of socket shall not be accessible.

Construction

Item	Description	Material
1	Socket base and cover	FRPP
2	Conductors (bus bar)	Brass
3	Cover screw	Mild steel nickel plated
4	Switch	Nylon house with brass terminals
5	Shutter	Nylon (PA)
6	Spring	Mild steel
7	Surge component	Metal oxide varistor + thermal fuse + neon indicator (if applicable)
8	Plug	13A BS 1363 plug
9	Cable	PVC, BS6500 3 x 1.25mm ²

Part Number Table

Description	Part Number
4 Gang 13A Non-rewirable Surge Protected Extension Socket	2804S
6 Gang 13A Non-rewirable Surge Protected Extension Socket	2806S
8 Gang 13A Non-rewirable Surge Protected Extension Socket	2808S

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