



## Specification :

Current rating : 3 A, 250 V

## Surge Protection Data :

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

## Standard :

BS 1363 / A; BS 5733 / 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 specified in a).

An altitude not exceeding 2,000 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 + 250 V dc 1 minute	Shall not be less than 5 MΩ
Dielectric strength	2,000 ±60 V 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 0.6 Nm (6.1 kgf / 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.
Temperature rise	14 A, 250 V	Temperature rise must not exceed: 1. Terminals or terminations : 52 K 2. Accessible surface : 52 K

## Safety Specifications

Item	Conditions	Requirements
Make and break test of switch	13 A, 250 V, 15,000 times	Voltage drop across each switched pole shall not exceed 75 mV
Drop test	Fit with 3G 1.25 mm <sup>2</sup> cable, 2.25 m and drop at a height of 0.4 m above the floor	No external damage which might affect safety and no components shall have become detached
Live parts accessibility	Subjected to 1 mm test probe with applied force of 5 N 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	Neon lamp with 220 KΩ resistor	Orange light
8	Neon lamp cover	Polycarbonate (PC)
9	Switch Rocker	Polycarbonate (PC)
10	Surge component	Metal oxide varistor + thermal fuse + neon indicator (if applicable)
11	Plug	13 A BS 1363 plug
12	Cable	PVC, BS6500 3 × 1.25 mm <sup>2</sup>

## Part Number Table

Description	Part Number
Extension Lead, 4 Gang, NDIV-SW, 2 M	2814S
Extension Lead, 6 Gang, NDIV-SW, 2 M	2816SP
Extension Lead, 8 Gang, NDIV-SW, 2 M	2818SP

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