

# TECHNICAL DATA SHEET

**PRO-ELEC**

**RoHS  
Compliant**

## 2 Gang Extension Socket with 2 USB Chargers Model : 2902SU

**CURRENT RATING:** 13A 250 V AC

### CONSTRUCTION:

ITEM	DESCRIPTION	MATERIAL
1	Socket base and cover	PC
2	Socket Terminals (Bus bar)	Brass
3	Cover Screw	Mild steel nickel plated
4	Shutter	Nylon (PA)
5	Spring	Mild steel
6	Neon lamp with 220k $\Omega$ resistor	Orange light
7	Neon lamp cover	Polycarbonate (PC)
8	Surge component	Metal Oxide Varistor
9	Plug	13A BS 1363 plug
10	Cable	PVC, BSEN50525 3X1.25mm <sup>2</sup>
11	USB charger parts	Output: 2.4A max

### USB Rating:

Input: 250V~, 50/60Hz, 150mA

Output: 5Vdc, Max 2400mA (Share)

### STANDARD:

BS 5733

### SURGE PROTECTION DATA

Voltage:	220V - 240V
Operating voltage (Vac rms):	300V Max.
Mains Three Way Protection:	LN LE NE
Peak Current (A):	4.5kA
Max. Energy (Joules):	3 x 125J
Max. Clamping voltage:	775V
Response time (nS):	<50nS



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## CONDITIONS OF USE

- a) An ambient temperature in the range  $-5^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$ , the average value over 24 hours not exceeding  $25^{\circ}\text{C}$ .
- b) 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).
- c) An altitude not exceeding 2000 metres above sea level.
- d) An atmosphere not subject to abnormal pollution by smoke, chemical fumes, rain, spray, prolonged periods of high humidity or other abnormal conditions.

## SAFETY SPECIFICATIONS

NO.	ITEM	CONDITIONS	REQUIREMENTS
1	Appearance		No defect such as cracks, deep scratches or blemishes.
2	Marking		Shall be legible and must be clear.
3	Insulation Resistance	500 + 250 V DC. 1 min	Shall not be less than 5 M $\Omega$ .
4	Dielectric strength	250 +/- 60 V 1 min	No damage or breakdown.
5	Resistance to aging	70° +/- 5° 168 hrs	No cracks or become sticky.
6	Construction	20° +/- 5°	Complied with Figure 11,12,14, 16 gauge.
7.	Torque test	Value of 0.6N.m. (6.1 kgf/cm)	Terminal, cord grip and cover screws shall withstand the torque applied.
8	Glow Wire Test	650°/750° electrically heated	Flame must extinguish within 30 seconds.
9	Temperature rise	14A 250V	Temperature rise must not exceed: 1. Terminals or terminations: 52K 2. Accessible surface: 52K
10	Drop Test	Fit with 3G1.25mm <sup>2</sup> cable, 2.25m and drop at height of 0.4m above the floor.	No external damage which might affect safety and no components shall have become detached.
11	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.

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