WIRING DEVICES TECHNICAL
LOGIC PLUS™

2 Gang Switchsocket Outlet with Integrated Fast Charging Dual USB Ports - Type A + C

Standards and approvals

Complies with BS 1363-2:2016+A1:2018.

Products are CE marked and meet the requirements of the Low Voltage, EMC, RoHS and WEEE directives.

Description

These products offer end users easy access to power for charging a variety of devices such as smart phones, tablets and cameras. They also offer benefits of the advantageous design features of Logic Plus including - safety and quick install.

TECHNICAL SPECIFICATION

ELECTRICAL

INPUT VOLTAGE AND FREQUENCY
220-240Va.c. 50/60Hz

OUTPUT VOLTAGE, CURRENT & POWER

USB A:	USB C:
5V d.c., 3A, 15W	5V d.c., 3A, 15W
9V d.c., 3A, 27W	9V d.c., 3A, 27W
12V d.c., 2.25A, 27W	12V d.c., 2.5A, 30W
	15V d.c., 2A, 30W
	20V d.c., 1.5A, 30W

When both A & C ports are in use, the output voltage is 5V with combined total current and power of 3A and 15W respectively.

AVERAGE ACTIVE EFFICIENCY

USB A:	USB C:
5V d.c., 89%	5V d.c., 89%
9V d.c., 90%	9V d.c., 90%
12V d.c., 90%	12V d.c., 91%
	15V d.c., 91%
	20V d.c., 90%

LOW LOAD EFFICIENCY

USB A:	USB C:
5V d.c., 78%	5V d.c., 78%
9V d.c., 82%	9V d.c., 81%
12V d.c., 80%	12V d.c., 81%
	15V d.c., 82%
	20V d.c., 77%

NO LOAD POWER CONSUMPTION
0.07W

TERMINAL CAPACITY
Live, neutral & earth
3 x 2.5mm², 3 x 4mm², 2 x 6mm² (stranded)

PHYSICAL

AMBIENT OPERATING TEMPERATURE
0°C to +40°C

IP RATING
IP2XD

MAX. INSTALLATION ALTITUDE
2000 metres

FEATURES

- 30W Fast charging with PD Protocol and GaN Technology
- USB outlets are designed to provide optimum charging compatibility across a wide range of devices
- Differing manufacturers devices can be charged simultaneously via the two USB outlets
- Electronically protected against an overload or short circuit on either USB outlet
- 3 pin operated safety shutter on 13A socket outlets
- Dual earthed for added user safety
- Backed out and captive terminal screws
- Top access, angled terminals make wiring easier and quicker
- 3mm minimum switch contact gap
- Double pole switching
- Additional electrical safety from neutral 'make first', 'break last' feature
- Printed terminal markings on dark rear mouldings for clearer identification
- Switch contacts with silver contacts on both surfaces for good continuity
- Moulded 'on' indicator flash on switches will not rub off – totally safe

- Made from urea formaldehyde which has inherent antimicrobial properties
- Independently tested to the latest industry standard - ISO 22196:2011
- Bacteria kill rates over 24 hours;
  - MRSA – >99.99%   - Klebiella Pnaemonia – >99.99%
  - E.Coli – >99.99%   - Listeria – >99.99%
  - Salmonella – >99.99%   - S.Aureus 6538p – >99.99%
- Virus kill rate over 24 hours
  - Phi-X174 (internationally recognised as the standard for anti-viral testing) – >99.99%

Installation

Do not mount or use as a trailing socket or where they may be subject to excessive moisture or damp.

MINIMUM BOX DEPTH	BOX DEPTH FOR EXTRA WIRING SPACE
25MM*	35MM
RECOMMENDED BOXES	
862ZIC	FLUSH 25MM
886ZIC	FLUSH 35MM
K2142WHI	SURFACE 30MM
*For compliance to BS1363, use either a minimum 35mm backbox or the K1000 pattress with a 25mm backbox	

Note: When carrying out insulation resistance testing, first DISCONNECT the product. Failing to do this could damage the product and will also give spurious insulation readings.

Access to the firmware file is prohibited. Do not disassemble the socket in consideration to its firmware during operation and installation.

Dimensions (mm)