



Technical Specification

02 December 2024

Product Range: FOCUS Power Outlet System (SA Socket Spec)

Specification of Unit:

Multiple GPO, Data, Switching options available (in accordance with applicable Standards and requirements)

Operating Ranges:

Voltage
Max. Current
Wattage

220-250 VAC

15A (Total)

3000 W (Max. rated)

Material Composition of Optima Unit:

Casing Construction

Mild Steel outer body – Powder coated.

Engineering Plastic

Finish
Socket Outlets

Aluminium -Anodised or Powder Coated (depending on customer requirements)

5VB/V0 rated Engineering Plastic (flame retardant and very high heat resistance and electrical resistivity)

V0 rated Engineering Plastic (flame retardant and very high heat resistance and electrical resistivity)

Power Cable and Internal Wiring

Power Cable Size
Current Rating
Connectors

1.5mm² (cross sectional area of copper strands per core)

15A

Input – Male 3PP/G (16A); or SA/ZA plug top

Output – Female 3PP/G (16A); or

Bypass 3PP/G connector (16A)

Insulated 3 core with PVC outer sheath:

Earth -Yellow/Green

Live - Brown

Neutral – Blue

Accessibility of Live components: Inaccessible without destroying unit. Requires tools to open.

Earth Connection:

Earth connection made through input power lead which is Internally bonded to Aluminium Casing and Power Sockets

In addition, an External Earth Connection Facility is provided for Earthing to metallic desks

Mounting Method:

Free Standing or with mounting collar to fit 80mm hole

Tests and Approvals:

SANS 60884-1:2013 (Test Report: NMI-150814-00001)

VC8008 Ed.3 (Test Reports: ML/107930 ML/107931 & ML/107932)

SANS 60799:2007 (Test Report: NMI-1811161-00006B)

BS 1363 (Sockets), BS 5733 (System), Test Report #:7191028382-EEC12-02/PKS issued by

TUV Süd; and

BS 5733; SS 241; MS 1144 Test Report #:7191051304-EEC13/YKF issued by TUV Süd

Compliance:

BS 5733 / SS145 / DIN VDE 0620 (where applicable)

USB Charger -

Dual Port USB-A Charger 5V, 3A Max. shared between ports

Tested According to

EN 55032:2015

EN 55024: 2010+A1:2015

EN61000-3-2:2014

EN 61000-3-3:2013

IEC 60950-1 EN 60950-1:2006 + A11:2009+A1:2010+A12:2011+A2:2013

Test Reports:

-18AE04073E 001; E498726; SA1801038L 01001 issued by Underwriters Laboratories (UL)

-12400460-SA00 issued by UL International New Zealand

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**ROHS/WEEE Compliance:**

*This unit is ROHS compliant and contains no lead or other heavy metals in accordance with:
RoHS - DIRECTIVE 2002/95/EC
WEEE - DIRECTIVE 2002/96/EC*

LEED information:

(Leadership in Energy and Environmental Design)

Approx % Composition(*1) of Product (by weight):

- Aluminum – 23%
- Mild Steel – 30%
- Plastic – PC/ABS – 14%
- Plastic – PC – 1%
- Plastic – PVC – 5%
- Brass – 15%
- Stainless Steel - <1%
- Copper – 12%

Material Composition of product & Resources

- % of pre-consumer recycled content – 3% (Plastic)
- % of post-consumer recycled content – 20%-53% (Depends on our aluminum supplier but up to 100% of the aluminum used maybe recycled)(*2)
- Origin country of raw materials – South Africa, Germany, China
- Location of manufacturing facility and final assembly – South Africa
- 25-30% of the Manufacturing Facility's power consumption requirements are met through the use of renewable, non-polluting energy (Solar).

Recyclability per unit post lifecycle:

*The product is made entirely of recyclable materials (*2)*

% of Recycled Components used in Manufacture of the product:

*0 – 35% (*3)*

% of Product that can be recycled at end of lifecycle:

100%

Notes:

*1- Percentages are calculated based on the weight of the component parts as a fraction of the whole product. Variations to product configurations will alter percentages.

*2 - Every item in the product is capable of being recycled, however in real terms, the actual components that are recycled depends on the cost of the recycling process for that product which in some instances is prohibitive.

*3 – Material functionality may be impaired when the recycled composition is higher than 35%.

Warranty:

All Broad Power products carry a minimum warranty of 12 months from date of manufacture which covers any product faults or failure arising from poor materials and/or workmanship. In terms of this warranty, the product may be replaced or repaired at the sole discretion of the manufacturer provided the warranty conditions are met. The warranty expressly excludes misuse, abuse, fair wear and tear and incidental costs (including but not limited to: downtime, labour charges, site access charges etc) that may arise due to the repair or replacement of any units or part thereof.

Care and Maintenance:

Periodically clean the units by first disconnecting the power and then clean using a soft damp cloth. Do not use harsh chemical solvents or detergents. Dry immediately with a soft dry cloth.