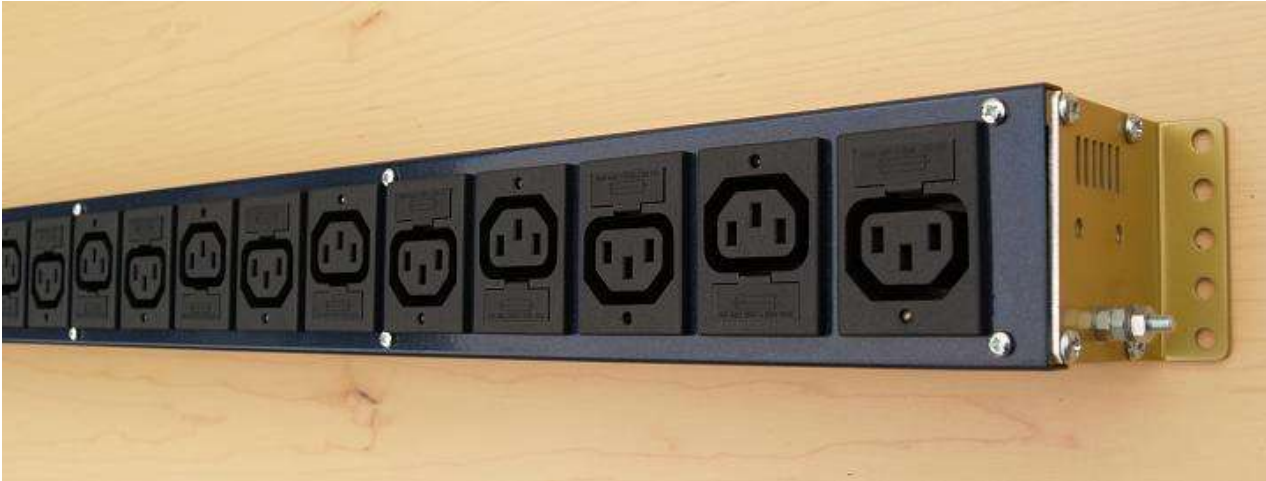




Power Distribution Products

NEW V-STRIP40 MDU



Specification for 40 Way Vertical Strip MDU.

Overview

The One4Power V-Strip MDU is a compact *vertical* rack-mounting device for mains power distribution. Each of the 40 outlets has a dedicated fuse for overload protection and an indicator LED to allow easy identification of failed fuse.

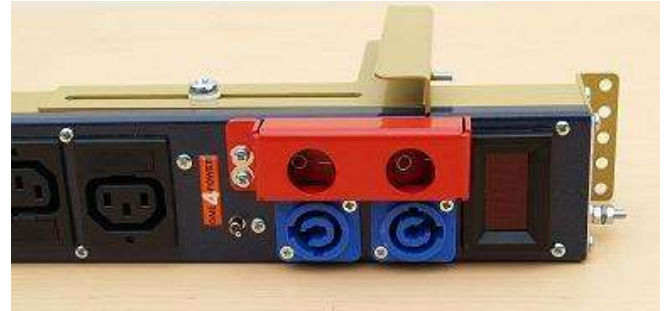
Unique to the One-4-Power V-Strip is our custom IEC320 female outlet socket combined with LED indicator & dual fuse draw – inner draw for 'in circuit' fuse & outer draw for spare fuse.

The V-Strip has been developed to accommodate the industry trend to shift away from standard 19 inch *Horizontal* rack-mounted MDU's to *Vertical* mounted 'back of rack' style MDU's. Important features from the One4Power *Horizontal* MDU's have been retained in the V-Strip MDU design meaning that the shift to *Vertical* mains distribution & inherent advantages no longer requires compromising on safety, reliability & feature convenience.

Once installed correctly into the rack – the high density of sockets makes an outlet available at every required position, connection is then made by a short ready made IEC to IEC link lead - simple, quick & tidy. Mains connections in a fully loaded rack are made in minutes.

Features

- 2 x Neutrik powerconn inlet
- 2 x illuminated rocker power switch
- 40 x Female IEC320 outlets
- Custom IEC outlet connector combined with fuse draw & LED (design-registered part)
- Earth studs at top & bottom
- Fuse protection on each outlet
- Spare fuse location on each outlet
- LED fuse 'status' indicator on each outlet
- Maximum Total load 2 x 20 Amps (with power switch)
- Maximum Total load 2 x 20 Amps (without power switch option)
- 10 Amp maximum load on any single outlet
- Robust metal construction
- Lightweight custom alluminum extrusion design
- Attractive metallic blue front panel
- Metallic gold body & mounting brackets
- Two mounting systems
- Left or Right hand side rack mounting
- Alternate dual circuit design
- 40mm spacing between outlets
- Safe & reliable to European LVD standards
- Wide range of options & accessories



Options & Accessories

- Less power switch version
- Hardwired inlet version
- Other fuse values available
- Spare fuse draw loaded
- High visibility power switch guard
- Rear mounted faston copper earth bus bar

Specification

Enclosure

Width main body	58mm	
Width including clamp	76mm	
Depth main body	42mm	
Depth including earth stud	57mm	
Depth including clamp	106mm	
Height	1760mm	
Weight main body	3.6 Kg	
Weight clamp set	416g (208g each)	
Weight copper bus bar (option)	200g	
Weight switch guard (option)	21g	
Case material & finish	Aluminum extrusion	metallic gold paint
End cap material & finish	2mm aluminum	metallic gold paint
Fixing clamp material & finish	Steel	metallic gold paint
Front panel material & finish	Steel	metallic dark blue paint
Switch guard material & finish (option)	2mm aluminum	Mars red paint

Mounting System 1

Adjustable Cross beam clamps with short or long spacing & left or right attachment

Clamp adjustment range (each)	109.5mm (+54.75mm, -54.75mm)
Clamp adjustment range (combined)	219mm
Fixing bolt type	M6 x 10mm with M6 nylon washer
<u>Fixing bush centres:-</u>	
Top to Mid	847mm
Top to Bottom	1447mm
Mid to Bottom	600mm
Max cross beam thickness	12.5mm
<u>Cross beam spacing (top edge to bottom edge)</u>	Clamp Range
Top & Mid position	901.5mm to 1120.5mm
Top & Bottom position	1501.5mm to 1720.5mm
Mid & Bottom position	654.5mm to 873.5mm

Mounting System 2

Direct cable tray fixing

Fixing centres	144mm, 991mm & 1591mm
Fixing hole diameter	6mm
Spacing between hole centres	847mm, 1447mm & 600mm
Fixing bolt type	M6 x 10mm with M6 nylon washer

Fuse Fail Indicators

LED	3mm Round, clear body
Type & colour	High intensity, green

Protection On Outlet

Fuse Type	T5 Amp HBC (standard)
Maximum permissible fuse value	T10Amp HBC
Material	Ceramic, sand filled
Size	20 x 5 mm
Breaking capacity	1500 Amps

Power Switch

Type	Rocker DPST
Illumination	Red Neon
Switching capacity continuous	16 Amps (20 Amps UL / CSA)
Switching capacity inrush	150 Amps to IEC65
Mechanism	Positive break
Custom manufactured by	Arcoelectric

Earth Bonds

Top & Bottom on rear	M4 x 20mm bolts
Crossbeam clamps	M4 x 10mm stud
Faston copper earth bus bar (option)	6.3 x 0.8mm blade (x42)

General

Operating Voltage range	85 – 264 VAC
Operating Frequency	50/60Hz
Operating temperature range	-20 deg C to +60 deg C
Maximum load (power switch version)	2 x 20Amps RMS
Maximum load (no power switch version)	2 x 20Amps RMS
Maximum load on single outlet	10 Amps RMS
Maximum fuse value on single outlet	T10 Amp HBC
Residual Earth current	Zero mA (with no equipment connected to outlets)

Residual L to N current no load – inlet 1	57 mA
Residual L to N current no load – inlet 2	57 mA
Inlet filtering & outlet filtering	None
Number of inlets	2
Number of outlets	40

Applications

Television broadcast
Radio broadcast
IT & computer
Data backup
Laboratory

Note: Not suitable for life support applications.

Custom Design

One-4-Power are able to offer customer specific designs & colour schemes for this product, if the above specification does not suit your requirements please contact us to discuss your application.

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