

PDS6R

6 WAY RCD PROTECTED POWER DISTRIBUTION

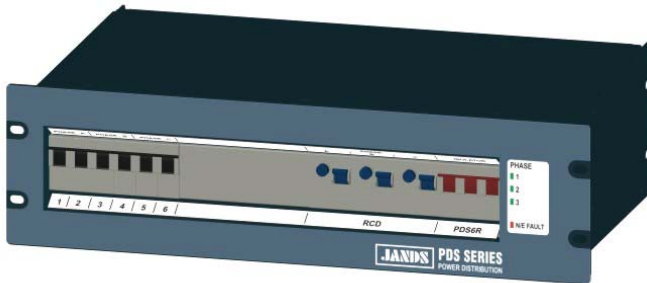


DESCRIPTION

The Jands PDS6R power distribution system is designed for fixed or mobile applications where three phase to single phase socket outlet power distribution is required. The unit features individual Residual Current Device (RCD) Protection per phase and an over-current circuit breaker per 2 outlets.

The PDS6R fits into any standard 19 inch equipment rack, including the Jands "Roobar" system.

The PDS6R facilitates compliance with the mandatory RCD requirement of AS/NZS4249 even when connected to supplies fed from non-RCD protected switchboards.



OVERALL SPECIFICATIONS

Supply type	:	3 phases +N +E
Supply voltage	:	230/400VAC 50Hz
Supply current	:	40A / phase (max)
Supply connector	:	40A 5 Pin 3 Phase Plug
Supply cable	:	2m captive flexible tail
RCD protection	:	1 x 30mA RCD / phase
Output current	:	20A / channel
Output connectors	:	2 x 20A 3 pin single phase outlet / channel
Output channels	:	6
Output protection	:	1 x 20A MCB / channel
Diversity Factor	:	0.77
Temperature range	:	0 °C min to 40 °C max
IP Rating	:	IP2X
I _{CP} (max supply)	:	20kA
I _{CC} (output)	:	10kA
Dimensions (mm)	:	483W x 275D x 132H (3RU)
Net/shipping weight	:	9 /12kg

SUPPLIED ACCESSORIES

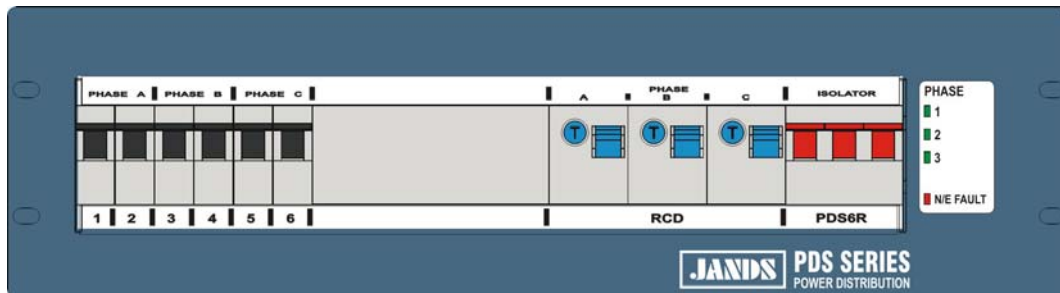
- Two x heavy duty rear mounting adjustable support brackets
- User Manual

ORDERING INFORMATION

MODEL/PART	PART NUMBER
PDS6R Power Distribution System	JND-PDS6R
Roobar 3RU stackable equipment rollcage	JND-ROOBAR3RU

FEATURES

- Six (6) x 20A output channels
- Twelve (12) x 20A socket outlets
- Circuit breaker protection per 2 outlets
- Three (3) x individual phase RCDs
- Master supply isolator
- Phase Power indicators - 3 Blue LEDs
- Neutral/Earth Fault indicator - Red LED
- All steel construction



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Specifications subject to change without notice. Manufactured by Jands Pty Ltd ABN 45 001 187 837.
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ARCHITECT & ENGINEER'S SPECIFICATION

Mechanical

The Power Distribution Unit shall be designed to rack mount in a standard 19 inch equipment rack. The Power Distribution Unit shall be 483mm wide x 275mm deep x 132mm high (3RU).

The Power Distribution Unit shall be constructed of 1.2 mm steel. All metal surfaces shall be properly treated and finished in durable powdercoat.

All operator controls shall be provided on the front panel of the unit. The control surface shall be scratch-resistant Lexan with legends silkscreen printed from behind.

Electrical

The Power Distribution Unit shall operate from a three-phase, neutral and earth supply of 230/400 volts (nominal) phase-to-neutral/phase-to-phase, with a supply frequency of 50Hz.

The Power Distribution Unit shall draw 40 amps per phase when all output channels are fully loaded.

The Power Distribution Unit shall be rated for connection to a supply with a prospective fault current (I_{CP}) of $\leq 20kA$ and shall limit output conditional fault current (I_{CC}) to $< 10kA$.

The unit shall be fitted with a captive two (2) metre power cable fitted with a 40 amp, 5 pin, three phase plug.

An individual (30mA trip) Residual Current Device (RCD) per phase shall provide protection from earth related output faults.

A master three pole isolating switch shall be used to disconnect the incoming mains supply from the RCDs.

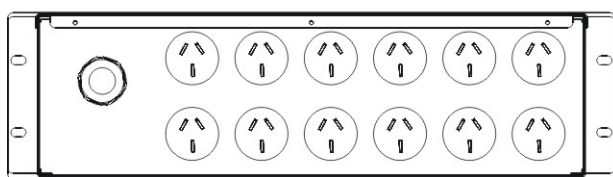
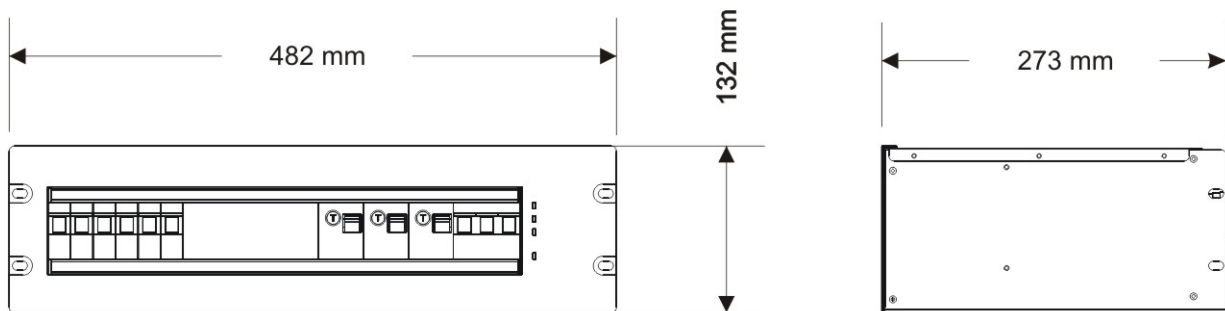
Each output circuit of the Power Distribution Unit shall be protected by a 20 Amp, Curve "C" single phase circuit breaker and shall be fitted with two (2) 20A 3 pin single phase unswitched socket outlet.

The front panel shall indicate with three blue LEDs the presence of phase voltages at the inputs to the RCDs

A red Neutral/Earth fault LED shall indicate when a neutral to earth voltage in excess of approximately 20 volts is present.

The Power Distribution Unit shall be declared as a *Movable Assembly* complying with AS3439.1/2002

The Power Distribution Unit shall be the JANDS PDS6R six way power distribution system.



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