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Temporary Power Distribution Equipment Rental

Power Distribution Unit

PL59

Application and Operational Considerations

Application: Considered application of this Distribution Unit, is for connection from a 3ph 400V 400A max load supply, to downstream units requiring 400A Powerlock or 125A - 63A - 32A 400V 3phase or 32A - 16 A single phase connectivity to a maximun load of 400A combined from all output sockets, per phase. The outputs are balanced off each L1, L2 & L3 incoming phase.

Note: The total load drawn per phase should be checked for optimum balance of all phases, with minimal differences, and not exceed the stated amperage of connectivity on any of the output panel sockets. Unit should **NOT** run on continuous full load for long periods of time on any of the connections. Unit shall be installed and used by a competent Electrician whom shall ensure that application design, installation and testing is compliant with BS7671.

Unit Specification

Unit Standard:	BS EN 61439-3
Unit Guide Weight:	
Approx Dim: WxDxH	630x550x1130
Enclosure (IP):	IP44
Impact (IK)	IK>06
Unit Max. Amps:	400A
Voltage (V):	400V
Frequency Hz:	50Hz
Short Circuit Rating:	25kA
Continuous Load:	70%

Supply Connection

Inlet Standard:	BS EN 60309-1+2
Amperage (A):	500
Voltage:	400
Connection:	3ph+N+E Powerlock Set

Supply Isolation

Switch Standard:	BS EN 60947-2
Switch	400A

Load Connection

Outlets Standard:	BS EN 60309-1+2
1ph Voltage:	230
3ph Voltage:	400

Connectivity

1x 125A Socket	3ph+N+E
3x 63A Socket	3ph+N+E
3x 32A Socket	3ph+N+E
6x 32A Sockets	L+N+E
12x 16A Sockets	L+N+E
Powerlock Source	3ph+N+E Set

Protection Devices

Device	Voltage	Rating Type & Amperage	Character - mA	kA - Short Circuit Rating	Device Standard(s)
RCBO	230	16c	30	10	BS EN 60898
RCBO	230	32c	30	10	BS EN 60898
MCB	400	32c	100	10	BS EN 60898
MCB	400	63c	VIR	6	BS EN 60898
MCB	400	125c	VIR	10	BS EN 60898