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Temporary Power Distribution Equipment Rental

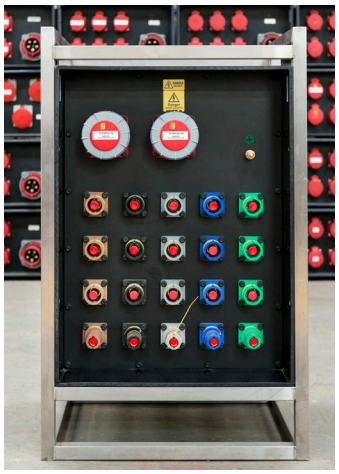
Power Distribution Unit

PL 53

Application and Operational Considerations

Application: Considered application of this Distribution Unit, is for connection from a 3ph 400V 125A max load supply, to downstream units requiring 16A or 32A 230V single phase connectivity and 32A or 63A 3phase connectivity to a maximum load of 125A 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	595x470x900
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

Load Connection

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

Supply Isolation

Switch Standard:	BS EN 60947-2
Switch	400A

Connectivity

2x 63A Sockets	3ph+N+E
Powerlock Source	3ph+N+E set

Protection Devices

Device	Voltage	Rating Type & Amperage	Character - mA	kA - Short Circuit Rating	Device Standard(s)
MCB	400	63c	VIR	10	IEC 60947-2
MCCB	400	400a	VIR	25	IEC 60947-2