

Power Distribution Unit

AR37

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 125A 3phase connectivity to a maximum load of 125A per phase. The output phases match to 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	565x420x865
Enclosure (IP):	IP44
Impact (IK)	IK>06
Unit Max. Amps:	125A
Voltage (V):	400V
Frequency Hz:	50Hz
Short Circuit Rating:	6kA
Continuous Load:	70%

Supply Connection

Inlet Standard:	BS EN 60309-1+2
Amperage (A):	125
Voltage:	400
Connection:	3ph+N+E Appliance inlet

Load Connection

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

Supply Isolation

Switch Standard:	BS EN 60947-2
Switch	125A

Connectivity

1x 63A Socket	3ph+N+E
2x 32A Sockets	3ph+N+E
12x 32A Sockets	L+N+E
18x 16A Sockets	L+N+E

Protection Devices

Device	Voltage	Rating Type & Amperage	Character - mA	kA - Short Circuit Rating	Device Standard(s)
1x MCB 4P	400	C125		10	BS EN 60898
18x 16A 2P RCBOs	230	C16	30	10	BS EN 61009
12x 32A 2P RCBOs	230	C32	30	10	BS EN 61009
2x 32A 4P RCBOs	400	C32	30	10	BS EN 61009
1x 63A MCB 3P	400	C63		6	BS EN 60898
1x 63A 4P RCCB	400		10	3	BS EN 61008