

Power Distribution Unit

AR32

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	535x470x610
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
1ph Voltage:	230
3ph Voltage:	400

Supply Isolation

4p MCB	125A

Connectivity

1x 63A Socket	3ph+N+E
2x 32A Socket	3ph+N+E
12x 32A Socket	L+N+E
6x 16A Socket	L+N+E

Protection Devices

Device	Voltage	Rating Type & Amperage	Character - mA	kA - Short Circuit Rating	Device Standard(s)
1x MCB	400	C125		15	BS EN 60898
6x RCBOs	230	C16	30	10	BS EN 61009
12x RCBOs	230	C32	30	10	BS EN 61009
2x RCBOs	400	C32	30	6	BS EN 61009
1x MCB	400	C63		10	BS EN 60898
+Shunt with VELR					
2x MCBs to VELR		C1			BS EN 60898