

Power Distribution Unit

AR35A

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 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 | 560x350x340 |
| Enclosure (IP): | IP44 |
| Impact (IK) | IK>06 |
| Unit Max. Amps: | 125A |
| Voltage (V): | 400V |
| Frequency Hz: | 50Hz |
| Short Circuit Rating: | 15kA |
| 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

| | |
|------------------|----------------------|
| Switch Standard: | BS EN 60947-2 |
| Switch | 125A |
| | |
| | |
| | |

Connectivity

| | |
|---------------|----------------|
| 6x 32A Socket | 3ph+N+E |
| | |
| | |
| | |

Protection Devices

| Device | Voltage | Rating Type & Amperage | Character - mA | kA - Short Circuit Rating | Device Standard(s) |
|------------|------------|------------------------|----------------|---------------------------|--------------------|
| MCB | 400 | C32 | N/A | 15 | BS EN 61009 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |