

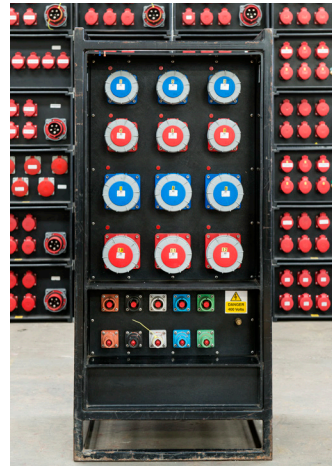
Power Distribution Unit

PL50

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 max 400A 230V single phase connectivity. The outputs are balanced as pairs, off each Red, Yellow and Blue phase.

Note: The total load drawn per phase should be checked for optimum balance and not exceed 400A on any of the single phase 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, installation and testing is compliant with BS7671.



Unit Specification

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|-----------------------|----------------------|
| Unit Standard: | BS EN 61439-3 |
| Unit Guide Weight: | |
| Approx Dim: WxDxH | 640x500x1390 |
| Enclosure (IP): | IP44 |
| Impact (IK) | IK>06 |
| Unit Max. Amps: | 400A |
| Voltage (V): | 400V |
| Frequency Hz: | 50Hz |
| Short Circuit Rating: | ??? |
| 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

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|-------------------|------------------------|
| Outlets Standard: | BS EN 60309-1+2 |
| Voltage: | 400 |
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| | |

Supply Isolation

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|------------------|----------------------|
| Switch Standard: | BS EN 60947-2 |
| Switch | 400A |
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| | |

Connectivity

| | |
|----------------|----------------|
| 3x 63A C Form | L+N+E |
| 3x 63A C Form | 3ph+N+E |
| 3x 125A C Form | L+N+E |
| 3x 125A C Form | 3ph+N+E |
| PL Source | |
| | |

Protection Devices

| Device | Voltage | Rating Type & Amperage | Character - mA | kA - Short Circuit Rating | Device Standard(s) |
|------------|------------|------------------------|----------------|---------------------------|--------------------|
| MCB | 230 | 63c | VIR | 10 | BS EN 60898 |
| MCB | 400 | 63c | VIR | 10 | BS EN 60898 |
| MCB | 230 | 125c | VIR | 10 | BS EN 60898 |
| MCB | 400 | 125c | VIR | 15 | BS EN 60898 |
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