

# Power Distribution Unit

# AR33

## 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:	<b>BS EN 61439-3</b>
Unit Guide Weight:	
Approx Dim: WxDxH	<b>570x360x450</b>
Enclosure (IP):	<b>IP44</b>
Impact (IK)	<b>IK&gt;06</b>
Unit Max. Amps:	<b>125A</b>
Voltage (V):	<b>400V</b>
Frequency Hz:	<b>50Hz</b>
Short Circuit Rating:	<b>6kA</b>
Continuous Load:	<b>70%</b>

## Supply Connection

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

## Load Connection

Outlets Standard:	<b>BS EN 60309-1+2</b>
1ph Voltage:	<b>230</b>
3ph Voltage:	<b>400</b>

## Supply Isolation

	<b>N/A</b>

## Connectivity

3x 16A sockets	<b>L+N+E</b>
6x 32A Sockets	<b>L+N+E</b>
3x 32A Sockets	<b>3ph+N+E</b>
1x 63A Socket	<b>3ph+N+E</b>

## Protection Devices

Device	Voltage	Rating Type & Amperage	Character - mA	kA - Short Circuit Rating	Device Standard(s)
<b>3x RCBOs</b>	<b>230</b>	<b>C16</b>	<b>30</b>	<b>10</b>	<b>BS EN 61009</b>
<b>6x RCBOs</b>	<b>230</b>	<b>C32</b>	<b>30</b>	<b>10</b>	<b>BS EN 61009</b>
<b>3x MCBs</b>	<b>400</b>	<b>C32</b>		<b>6</b>	<b>BS EN 60898</b>
<b>MCB</b>	<b>400</b>	<b>C63</b>		<b>6</b>	<b>BS EN 60898</b>
<b>3x RCCB</b>	<b>400</b>	<b>40A</b>	<b>30</b>	<b>10</b>	<b>BS EN 61008</b>
<b>1x RCCB</b>	<b>400</b>	<b>63A</b>	<b>10</b>	<b>10</b>	<b>BS EN 61008</b>

# Power Distribution Unit

# AR35

## 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 32A 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:	<b>BS EN 61439-3</b>
Unit Guide Weight:	
Approx Dim: WxDxH	<b>665x350x340</b>
Enclosure (IP):	<b>IP44</b>
Impact (IK)	<b>IK&gt;06</b>
Unit Max. Amps:	<b>125A</b>
Voltage (V):	<b>400V</b>
Frequency Hz:	<b>50Hz</b>
Short Circuit Rating:	<b>6kA</b>
Continuous Load:	<b>70%</b>

## Supply Connection

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

## Load Connection

Outlets Standard:	<b>BS EN 60309-1+2</b>
3ph Voltage:	<b>400</b>

## Supply Isolation

Switch Standard:	<b>BS EN 60947-2</b>
Switch	<b>125A</b>

## Connectivity

6x 32A Sockets	<b>3ph+N+E</b>

## Protection Devices

Device	Voltage	Rating Type & Amperage	Character - mA	kA - Short Circuit Rating	Device Standard(s)
<b>6x RCB0s</b>	<b>400</b>	<b>C32</b>	<b>30</b>	<b>10</b>	<b>BS EN 61009</b>

# 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:	<b>BS EN 61439-3</b>
Unit Guide Weight:	
Approx Dim: WxDxH	<b>560x350x340</b>
Enclosure (IP):	<b>IP44</b>
Impact (IK)	<b>IK&gt;06</b>
Unit Max. Amps:	<b>125A</b>
Voltage (V):	<b>400V</b>
Frequency Hz:	<b>50Hz</b>
Short Circuit Rating:	<b>15kA</b>
Continuous Load:	<b>70%</b>

## Supply Connection

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

## Load Connection

Outlets Standard:	<b>BS EN 60309-1+2</b>
1ph Voltage:	<b>230</b>
3ph Voltage:	<b>400</b>

## Supply Isolation

Switch Standard:	<b>BS EN 60947-2</b>
Switch	<b>125A</b>

## Connectivity

6x 32A Socket	<b>3ph+N+E</b>

## Protection Devices

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

# Power Distribution Unit

# AR35B

## 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 32A 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:	<b>BS EN 61439-3</b>
Unit Guide Weight:	
Approx Dim:	
Enclosure (IP):	<b>IP44</b>
Impact (IK)	<b>IK&gt;06</b>
Unit Max. Amps:	<b>125A</b>
Voltage (V):	<b>400V</b>
Frequency Hz:	<b>50Hz</b>
Short Circuit Rating:	<b>6kA</b>
Continuous Load:	<b>70%</b>

## Supply Connection

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

## Supply Isolation

Switch Standard:	<b>BS EN 60947-2</b>
Switch	<b>125A</b>

## Load Connection

Outlets Standard:	<b>BS EN 60309-1+2</b>
1ph Voltage:	<b>230</b>
3ph Voltage:	<b>400</b>

## Connectivity

6x 32A	<b>3ph+N+E</b>

## Protection Devices

Device (s)	Voltage	Rating Type & Amperage	Character - mA	kA - Short Circuit Rating	Device Standard(s)
<b>6x MCBs</b>	<b>400</b>	<b>C32</b>	<b>100</b>	<b>10</b>	<b>BS EN 60898</b>
<b>MCB</b>	<b>400</b>	<b>C125</b>		<b>6</b>	<b>BS EN 60898</b>
<b>6x RCCBs</b>	<b>400</b>				<b>BS EN 61008</b>

# Power Distribution Unit

# AR35S

## 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:	<b>BS EN 61439-3</b>
Unit Guide Weight:	
Approx Dim: WxDxH	<b>570x350x340</b>
Enclosure (IP):	<b>IP44</b>
Impact (IK)	<b>IK&gt;06</b>
Unit Max. Amps:	<b>125A</b>
Voltage (V):	<b>400V</b>
Frequency Hz:	<b>50Hz</b>
Short Circuit Rating:	<b>6kA</b>
Continuous Load:	<b>70%</b>

## Supply Connection

Inlet Standard:	<b>BS EN 60309-1+2</b>
Amperage (A):	<b>125</b>
Voltage:	<b>400</b>
Connection:	<b>3ph+N+E C Form</b>

## Load Connection

Outlets Standard:	<b>BS EN 60309-1+2</b>
3ph Voltage:	<b>400</b>

## Supply Isolation

Switch Standard:	<b>BS EN 60947-2</b>
Switch	<b>125A</b>

## Connectivity

6 x 32a Sockets	<b>3ph + N + E</b>

## Protection Devices

Device	Voltage	Rating Type & Amperage	Character - mA	kA - Short Circuit Rating	Device Standard(s)
<b>6x MCB</b>	<b>400</b>	<b>C32</b>	<b>100</b>	<b>10</b>	

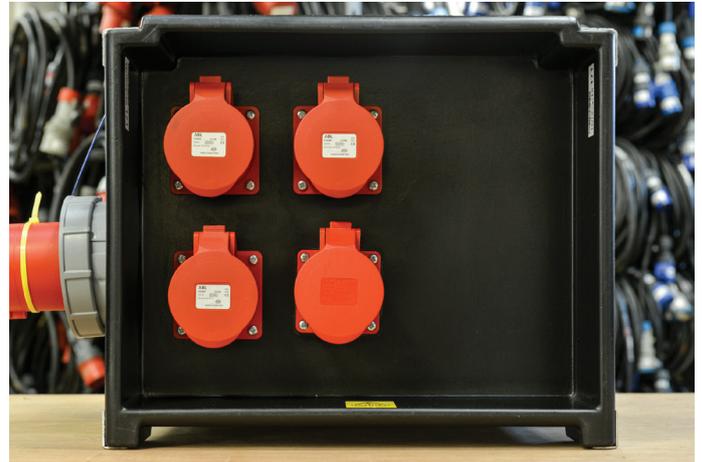
# Power Distribution Unit

# AR36

## 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 32A 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:	<b>BS EN 61439-3</b>
Unit Guide Weight:	
Approx Dim: WxDxH	<b>410x350x340</b>
Enclosure (IP):	<b>IP44</b>
Impact (IK)	<b>IK&gt;06</b>
Unit Max. Amps:	<b>125A</b>
Voltage (V):	<b>400V</b>
Frequency Hz:	<b>50Hz</b>
Short Circuit Rating:	<b>6kA</b>
Continuous Load:	<b>70%</b>

## Supply Connection

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

## Load Connection

Outlets Standard:	<b>BS EN 60309-1+2</b>
3ph Voltage:	<b>400</b>

## Supply Isolation

Switch Standard:	<b>BS EN 60947-2</b>
Switch	<b>125A</b>

## Connectivity

4x 32A Sockets	<b>3ph+N+E</b>

## Protection Devices

Device (s)	Voltage	Rating Type & Amperage	Character - mA	kA - Short Circuit Rating	Device Standard(s)
<b>4x RCB0s</b>	<b>400</b>	<b>C32</b>	<b>30</b>	<b>10</b>	<b>BS EN 61009</b>

# 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:	<b>BS EN 61439-3</b>
Unit Guide Weight:	
Approx Dim: WxDxH	<b>565x420x865</b>
Enclosure (IP):	<b>IP44</b>
Impact (IK)	<b>IK&gt;06</b>
Unit Max. Amps:	<b>125A</b>
Voltage (V):	<b>400V</b>
Frequency Hz:	<b>50Hz</b>
Short Circuit Rating:	<b>6kA</b>
Continuous Load:	<b>70%</b>

## Supply Connection

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

## Load Connection

Outlets Standard:	<b>BS EN 60309-1+2</b>
3ph Voltage:	<b>400</b>
1ph Voltage:	<b>230</b>

## Supply Isolation

Switch Standard:	<b>BS EN 60947-2</b>
Switch	<b>125A</b>

## Connectivity

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

## Protection Devices

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

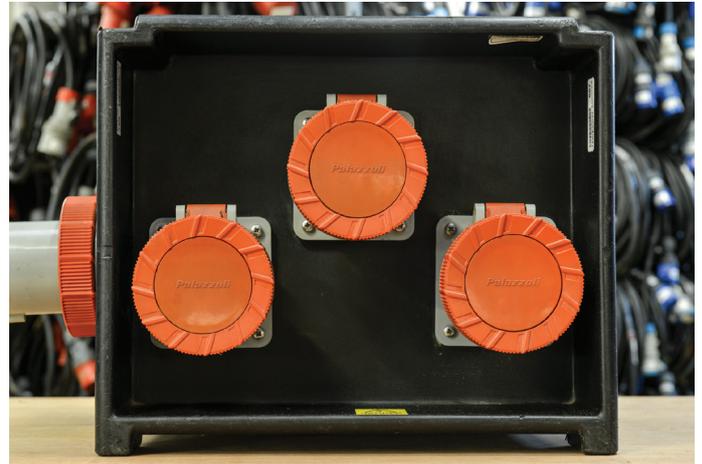
# Power Distribution Unit

# AR39

## 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:	<b>BS EN 61439-3</b>
Unit Guide Weight:	
Approx Dim: WxDxH	<b>400x350x330</b>
Enclosure (IP):	<b>IP44</b>
Impact (IK)	<b>IK&gt;06</b>
Unit Max. Amps:	<b>125A</b>
Voltage (V):	<b>400V</b>
Frequency Hz:	<b>50Hz</b>
Short Circuit Rating:	<b>6kA</b>
Continuous Load:	<b>70%</b>

## Supply Connection

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

## Load Connection

Outlets Standard:	<b>BS EN 60309-1+2</b>
3ph Voltage:	<b>400</b>

## Supply Isolation

Switch Standard:	<b>BS EN 60947-3</b>
AC22A 3p Switch	<b>125A</b>

## Connectivity

3x 63A Sockets	<b>3ph+N+E</b>

## Protection Devices

Device (s)	Voltage	Rating Type & Amperage	Character - mA	kA - Short Circuit Rating	Device Standard(s)
<b>3x MCBs</b>	<b>400</b>	<b>C63</b>	<b>VIR</b>	<b>10</b>	<b>BS EN 60898</b>

# Power Distribution Unit

# AR 40

## 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:	<b>BS EN 61439-3</b>
Unit Guide Weight:	
Approx Dim: WxDxH	<b>400x350x340</b>
Enclosure (IP):	<b>IP44</b>
Impact (IK)	<b>IK&gt;06</b>
Unit Max. Amps:	<b>125A</b>
Voltage (V):	<b>400V</b>
Frequency Hz:	<b>50Hz</b>
Short Circuit Rating:	<b>6kA</b>
Continuous Load:	<b>70%</b>

## Supply Connection

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

## Load Connection

Outlets Standard:	<b>BS EN 60309-1+2</b>
3ph Voltage:	<b>400</b>

## Supply Isolation

Switch Standard:	<b>BS EN 60947-2</b>
Switch	<b>125A</b>

## Connectivity

2x 63A Sockets	<b>3ph+N+E</b>

## Protection Devices

Device (s)	Voltage	Rating Type & Amperage	Character - mA	kA - Short Circuit Rating	Device Standard(s)
<b>2x MCBs</b>	<b>400</b>	<b>C63</b>	<b>VIR</b>	<b>10</b>	<b>BS EN 60898</b>
<b>+ 2x Shunts with VELRs</b>					

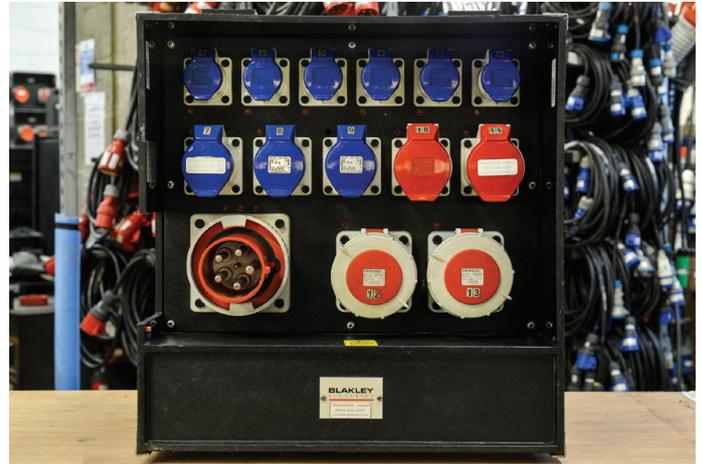
## Power Distribution Unit

# AR 41

### 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:	<b>BS EN 61439-3</b>
Unit Guide Weight:	
Approx Dim: WxDxH	<b>520x375x550</b>
Enclosure (IP):	<b>IP44</b>
Impact (IK)	<b>IK&gt;06</b>
Unit Max. Amps:	<b>125A</b>
Voltage (V):	<b>400V</b>
Frequency Hz:	<b>50Hz</b>
Short Circuit Rating:	<b>6kA</b>
Continuous Load:	<b>70%</b>

### Supply Connection

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

### Load Connection

Outlets Standard:	<b>BS EN 60309-1+2</b>
1ph Voltage:	<b>230</b>
3ph Voltage:	<b>400</b>

### Supply Isolation

Switch Standard:	<b>BS EN 60947-3</b>
4p Switch	<b>125A</b>

### Connectivity

6x 16A Sockets	<b>L+N+E</b>
3x 32A Sockets	<b>L+N+E</b>
2x 32A Sockets	<b>3ph+N+E</b>
2x 63A Sockets	<b>3ph+N+E</b>

### Protection Devices

Device	Voltage	Rating Type & Amperage	Character - mA	kA - Short Circuit Rating	Device Standard(s)
6x RCBOs	230V	C16	30	6	BS EN 61009
3x RCBOs	230V	C32	30	6	BS EN 61009
2x RCBOs	400V	C32	30	10	BS EN 61009
2x RCBOs	400V	C63	10	10	BS EN 61009
2x RCCBs	400V	40A	30	10	BS EN 61008
2x RCCBs	400V	63A	VIR	3	BS EN 61008