



FUSION SERIES

Circuit Protection
RCBO 4.5kA & 6kA

Data Specification **2023**



AUSTRALIA WIDE DELIVERY
Expedited delivery to all states in Australia



SAME DAY DISPATCH
Orders prior to 12PM will be dispatched the same day



5 YEAR WARRANTY
You can get a trusted 5 Year In House Warranty with CSG

[DESCRIPTION]

2P 4.5kA RCBO

The FUSION Series range of electronic residual current devices with over current protection has been designed to comply with AS/NZS 61009.1 and are made from the highest grade components to ensure reliability in all applications where the protection against earth leakage with overload and short circuit is required of both the active and neutral conductors. The 4.5kA rated breaking capacity of these electronic RCBO's makes them the perfect choice for a product that needs to perform in a wide variety of applications. Available from 10 to 40amps, C Curve.

[FEATURES]

- Type A
- 36mm Width (1P+N)
- ON/OFF Indicator
- 35mm DIN Rail Mounting
- Lockable Toggle
- Electronic

[TECHNICAL PARAMETERS]

- Rated Voltage: 240V AC
- Rated Frequency: 50Hz
- Rated Current: 4500a
- Rated Residual Current: 30mA
- Cable Termination: 25mm²
- Torque of Screw: 2.5Nm
- Complies with:
AS/NZS 61009.1:2015

[APPROVALS]

ESV Compliant

[IMAGE]



RCBO2610

NOTE: The 2 Pole RCBOs are polarity sensitive and must be wired as LINE at top and LOAD at bottom as indicated on the product.

FUSION

[DESCRIPTION]

3P 6kA RCBO

The FUSION Series range of electromagnetic residual current devices with over current protection has been designed to comply with AS/NZS 61009.1 and are made from the highest grade components to ensure reliability in all applications where the protection against earth leakage with overload and short circuit is required of both the active and neutral conductors. The 6kA rated breaking capacity of these electronic RCBO's makes them the perfect choice for a product that needs to perform in an industrial or commercial application. Available from 10 to 40amps, C Curve.

[FEATURES]

- Type A
- Electromagnetic
- High Short Circuit Capacity
- 72mm Width (3P+N)
- ON/OFF Indicator
- 35mm DIN Rail Mounting
- Lockable Toggle

[TECHNICAL PARAMETERS]

- Rated Voltage: 440V AC
- Rated Frequency: 50Hz
- Rated Current: 6000a
- Rated Residual Current: 30mA
- Cable Termination: 35mm²
- Torque of Screw: 2.5Nm
- Complies with:
AS/NZS 61009.1:2015

[APPROVALS]

SAA Approved
ESV Compliant

[IMAGE]



RCBO3610C

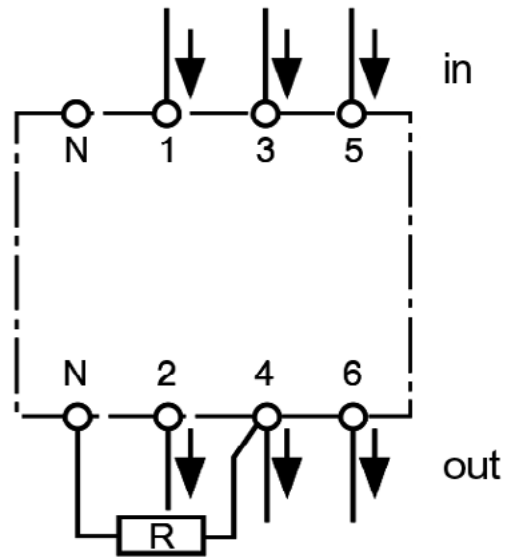
NOTE: The 3 Pole RCBOs are NOT polarity sensitive when there is both a neutral supply and load connected. However, in the installation where there is a neutral supply connection but no neutral load connected then the device must be wired LINE at top and LOAD at bottom.

FUSION

[WIRING DIAGRAM]

3 Phase Connection - Without Neutral

NOTE: RCBO's will function even without a neutral supply or load. However, when installing an RCBO to a circuit without the supply of a neutral connection, for the test button to operate correctly, the connection of a bridging resistor (R2.4W not supplied) between the load side neutral terminal and load side phase terminal 2 or 4 is required. Failure to include a bridging resistor in these installations may result in damage to the test circuit.



Installation Environment Considerations

Normal Operating Temperature	-5° - 40°C	
Maximum Operating Temperature	≤60°C	
Temperature Derating Factor*	40° - 50°C	x 0.9
	50° - 60°C	x 0.8

NOTE: Where the installation environment temperature exceeds the normal operating temperature, the kW load ratings tabled above must be derated by a factor of 0.9 or 0.8. I.e. kW rating x 0.9 = derated value.

[SPECIFICATIONS]

Product Code	Pole	Width (mm)	Voltage (V)	Short Circuit Breaking Capacity	Amperage (A)	Type
RCBO2610	1P+N	36mm	240V	4500a	10A	AC
RCBO2616	1P+N	36mm	240V	4500a	16A	AC
RCBO2620	1P+N	36mm	240V	4500a	20A	AC
RCBO2625	1P+N	36mm	240V	4500a	25A	AC
RCBO2632	1P+N	36mm	240V	4500a	32A	AC
RCBO2640	1P+N	36mm	240V	4500a	40A	AC
RCBO3610C	3P+N	72mm	440V	6000a	10A	AC
RCBO3616C	3P+N	72mm	440V	6000a	16A	AC
RCBO3620C	3P+N	72mm	440V	6000a	20A	AC
RCBO3625C	3P+N	72mm	440V	6000a	25A	AC
RCBO3632C	3P+N	72mm	440V	6000a	32A	AC
RCBO3640C	3P+N	72mm	440V	6000a	40A	AC

[WARRANTY]

Connected Switchgear FUSION series of product come with a trusted 5 Year In House Warranty. That means that you have peace of mind knowing that if a fault develops within a five year period, Connected Group Australia will cover the cost of replacing the product and it's installation.*

* See our website for full terms and conditions www.connectedswitchgear.com.au

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