

Catalogue No: **MOD6RCBO2-10-30-A**
RCBO MOD6 1P+N 6kA 10A C CURVE 30mA TYPE A (2P WIDTH)

Power Distribution and Protection > Circuit Breakers > Miniature Circuit Breakers and Earth Leakage Protection (RCDs and RCBOs) > MOD6 Residual Current Device > MOD6 RCBO2 6kA 2 Pole Width > Type A



Representative Photo Only
 (actual product may vary based on configuration selections)

MOD6 RCBO, 2P, 6kA, 30mA, 10A, type A, no pigtail

- Complies with AS/NZS 61009 (RCBOs)
- MOD6 RCBOs feature 6kA short circuit rating
- Type AC or Type A RCD with switched neutral
- 30mA sensitivity general personnel protection applications
- 10mA sensitivity option for higher risk applications
- C trip curve for general light and power applications
- Fast connection pin/fork busbar comb
- Suits pole-covers and loadcentres
- Approval No NSW17482 or RCM
- Energy Safe Victoria (ESV) compliant for residential applications
- 10mA units compliant with Type 1 requirements

SPECIFICATIONS

Product Series	MOD6
Component Type Power Distribution & Protection	RCBO
Trip Curve	C
RCD Type, AS/NZS 61008/61009	A
Poles	1P + N
In, Rated Current at 30°C	10 A @30°C
Rated Frequency	50 / 60 Hz
Icn, Rated Short Circuit Capacity	6 kA
IΔc, Rated Conditional Residual Short-Circuit Current	6 kA
IΔn, Rated Leakage Current	30 mA
Tripping Time at IΔn, Instantaneous	<40 ms
U _{bmin} , Service Voltage, AC, Min	176 V AC
U _{bmax} , Service Voltage, AC, Max	255 V AC
Neutral Pole Switched	Yes
Neutral Pole Protected	No
Centre Trip Position	No
Isolator Application, IEC 60947-2	Yes
Trip-Free Mechanism	Yes
Un, Nominal Operational Voltage, AC	240 V AC
Ui, Rated Insulation Voltage @ Pollution Degree 2	500 V
Selectivity Class (IEC 60898)	A
I _m , Rated Make/Break Capacity	100 A
IΔ _m , Rated Residual Make/Break Capacity	6000 A
Shock Duration (Max.)	5 ms
Ui, Rated Insulation Voltage	440 V (rms)
Dielectric Strength	2500V V AC
Electrical Service Life at Un, In	10000 cycles
Mechanical Service Life	20000 cycles

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IP Rating, Inside	IP40
IP Rating, Outside	IP20
Operating Temperature, Max	55 °C max
Operating Temperature, Min	-5 °C min
Storage Temperature, Max	70 °C max
Storage Temperature, Min	-25 °C min
Relative Humidity, Max	95 %RH
Conductor Entry Position	Top / Bottom
Busbar System, Top	Fork Pin
Busbar System, Bottom	Fork Pin
Wire / Conductor Size, Flex Cable, Top, Max	16 mm ² Top
Wire / Conductor Size, Flex Cable, Bottom, Max	25 mm ² Bottom
Wire / Conductor Size, Flex Cable, In, Min	1 mm ² In
Wire / Conductor Size, Flex Cable, Out, Min	1 mm ² Out
Wire / Conductor Size, Rigid Cable, Top, Max	25 mm ² Top
Wire / Conductor Size, Rigid Cable, Bottom, Max	35 mm ² Bottom
Wire / Conductor Size, Rigid Cable, In, Min	1 mm ² In
Wire / Conductor Size, Rigid Cable, Out, Min	1 mm ² Out
Insulation Resistance	1000 MΩ
Tightening Torque, Top, Nominal	3 Nm
Tightening Torque, Bottom, Nominal	4 Nm
Sealable	Yes
Mounting	DIN-35 Rail Mount
Height	86 mm
Width	36 mm
Depth	76 mm
Weight	0.25 kg
Package Quantity	1 qty
Approval(s)	N17482
Standards Compliance	AS/NZS 61008 AS/NZS 61008-1 AS/NZS 61009 IEC 60077-16-3 IEC 60947-2
Shock Acceleration (Max.)	40 g
Shock Rating	IEC 60077-16-3
Vibration Acceleration (Max.)	1.5 m/s ²
Vibration Rating	IEC 60068-2-6
Certifications	CE RCM

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REFERENCES

IECEX Certificate -

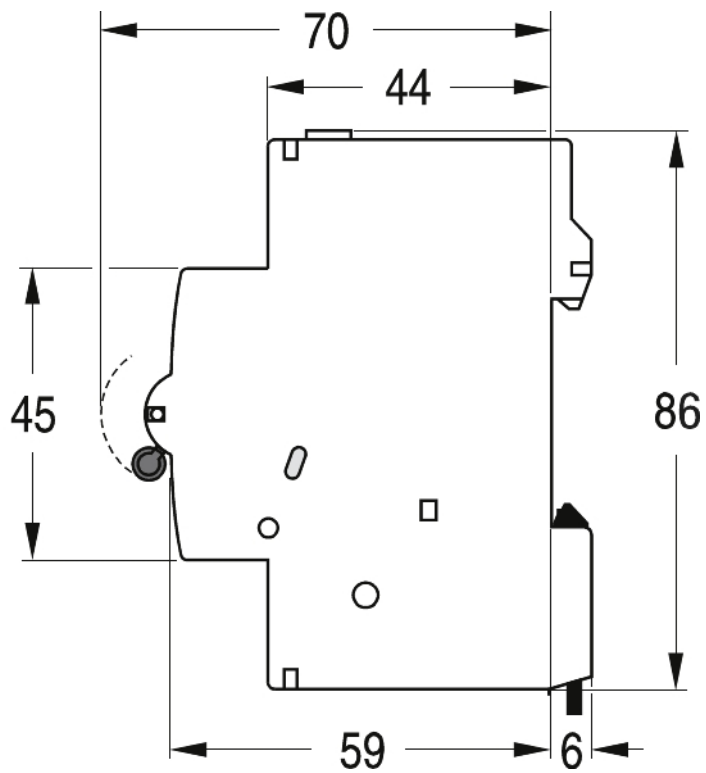
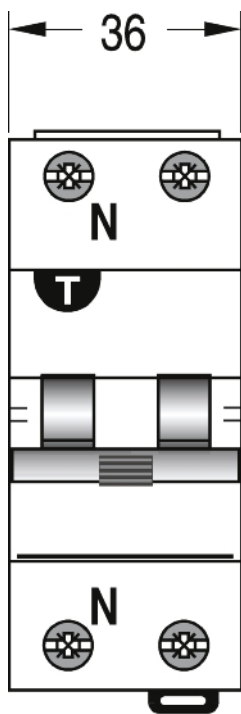
Supplier Declaration of Conformity: [MOD6RCBO2xxxx_Supplier Declaration of Conformity \(SDoC\)](#)

Installation Guide: -

User Manual: -

Manufacturer Datasheet: -

Manufacturer Catalogue & Product Selection: -



Dimension Diagram

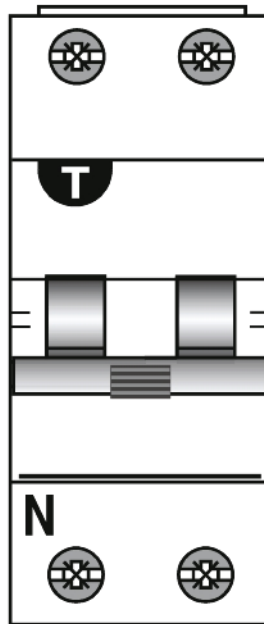
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Neutral Active



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Connection / Wiring Diagram