Catalogue No: **M6RCBS-25-30-CAN**

RCBO MOD6 1P+N 6kA 25A C CURVE 30mA TYPE A S/NEUT PIGTAIL

Power Distribution and Protection > Circuit Breakers > Miniature Circuit Breakers and Earth Leakage Protection (RCDs and RCBOs) > MOD6 Residual Current Device > MOD6 Compact RCBO 6kA (RCBS) Loadcentre / Panelboard Model (with Pigtail) > Type A Switched Neutral

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

RCBO MOD6 1P+N 6kA 25A C CURVE 30mA TYPE A S/NEUT PIGTAIL

- Complies with AS/NZS 61009 (RCBOs)
- MOD6 RCBOs feature 6kA short circuit rating
- Compact single screw RCBO features a neutral pigtail saving cable and installation time
- 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 or busbar chassis
- Suits pole covers, loadcentre's & Concept One Panelboard's
- Approval No NSW24576 or RCM
- Energy Safe Victoria (ESV) compliant for residential applications

SPECIFICATIONS	
Product Series	MOD6
Component Type Power Distribution & Protection	RCBO
Trip Curve	C
RCD Type, AS/NZS 61008/61009	A
IΔc, Rated Conditional Residual Short-Circuit Current	6 kA
Tripping Time at IΔn, Instantaneous	<40 ms
In, Rated Current at 30°C	25 A @30°C
IΔn, Rated Leakage Current	30 mA
Poles	1P + N
Neutral Pole Protected	No
Rated Frequency	50 / 60 Hz Hz
Un, Nominal Operational Voltage, AC	240 V AC
Ui, Rated Insulation Voltage, Protection Degree 2	500
Ubmin, Service Voltage, AC, Min	195 V AC
Ubmax, Service Voltage, AC, Max	255 V AC
Selectivity Class (IEC 60898)	A
Im, Rated Make/Break Capacity	500 A
IΔm, Rated Residual Make/Break Capacity	6000 A
Inc, Rated Conditional Short Circuit Current	6 kA
IΔc, Rated Conditional Residual Short-Circuit Current	6000 A
Icn, Rated Short Circuit Capacity	6 kA
Isolator Application, IEC 60947-2	Yes
Ui, Rated Insulation Voltage	440 V (rms)
Approval(s)	N24576
Insulation Resistance	1000 MΩ
Dielectric Strength	2500V
Electrical Service Life at Un, In	10000 cycles
Mechanical service life	20000 cycles

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IP Rating, Inside	IP40
Conductor Entry Position	Top / Bottom
IP Rating, Outside	IP20
Flammability Rating (UL94)	UL 94 V-2
Wire / Conductor Size, Flex Cable, In, Min	1 mm² In
Wire / Conductor Size, Rigid Cable, Top, Max	25 mm² Top
Wire / Conductor Size, Flex Cable, Out, Min	1.5 mm² Out
Package Quantity	1 qty
Wire / Conductor Size, Rigid Cable, In, Min	1 mm² In
Wire / Conductor Size, Flex Cable, Top, Max	16 mm² Top
Wire / Conductor Size, Rigid Cable, Out, Min	1.5 mm² Out
Wire / Conductor Size, Rigid Cable, Bottom, Max	35 mm² Bottom
Wire / Conductor Size, Flex Cable, Bottom, Max	25 mm² Bottom
Tightening Torque, Top, Nominal	3 Nm
Tightening Torque, Bottom, Nominal	4.5 Nm
Busbar System, Top	Fork Pin
Busbar System, Bottom	Fork Pin
Trip-Free Mechanism	Yes
Mounting	DIN-35 Rail Mount
Sealable	No Y / N
Centre Trip Position	No Y / N
Height	86 mm
Width	18 mm
Depth	76 mm
Weight	0.215 kg
Neutral Pole Switched	Yes
Operating Temperature, Min	-5 °C min
Operating Temperature, Max	55 °C max
Storage Temperature, Min	-25 °C min
Storage Temperature, Max	70 °C max
Relative Humidity, Max	95 %RH
Shock Acceleration (Max.)	40 g
Shock Frequency, Operational (Max.)	18 Hz
Shock Duration (Max.)	5 ms
Shock Rating	IEC 60077-16-3
Vibration Acceleration (Max.)	1.5 g
Vibration Frequency, Operational (Max.)	80 Hz
Vibration Duration (Max.)	30 min
Vibration Rating	IEC 60068-2-6
Standards Compliance	AS/NZS 61008 AS/NZS 61008-1 AS/NZS 61009 IEC 60077-16-3 IEC 60947-2
Certifications	CE RCM

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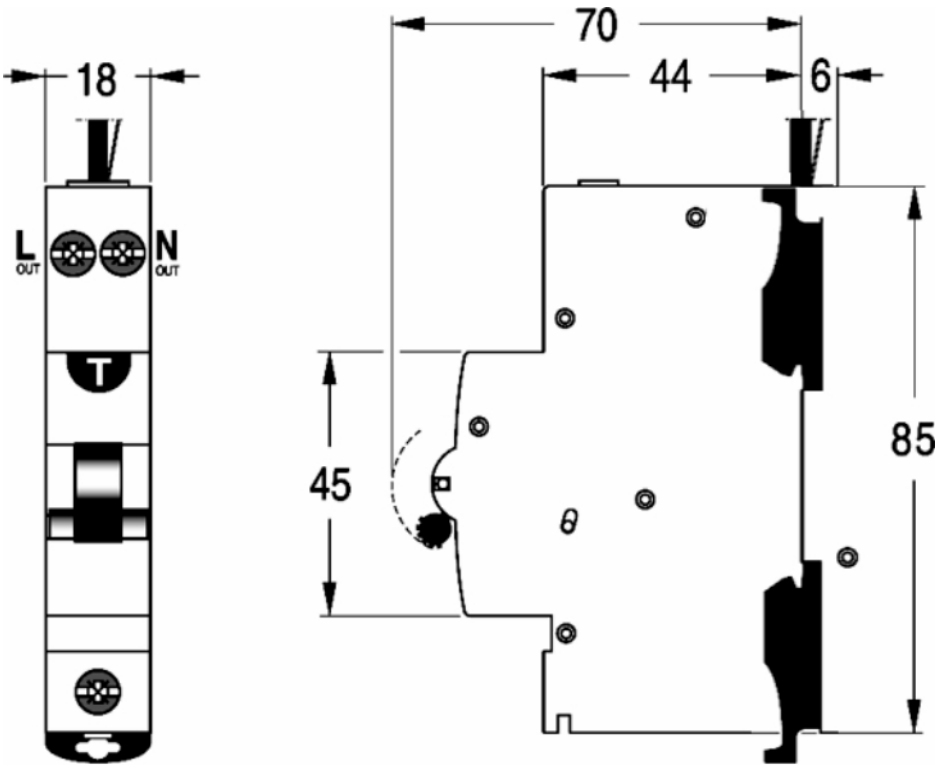
REFERENCES	
IECEx Certificate	-
Supplier Declaration of Conformity:	M6RCBSxxxxx_Supplier Declaration of Conformity (SDoC)
Installation Guide:	-
User Manual:	-
Manufacturer Datasheet:	-
Manufacturer Catalogue & Product Selection:	-



Dimension Diagram

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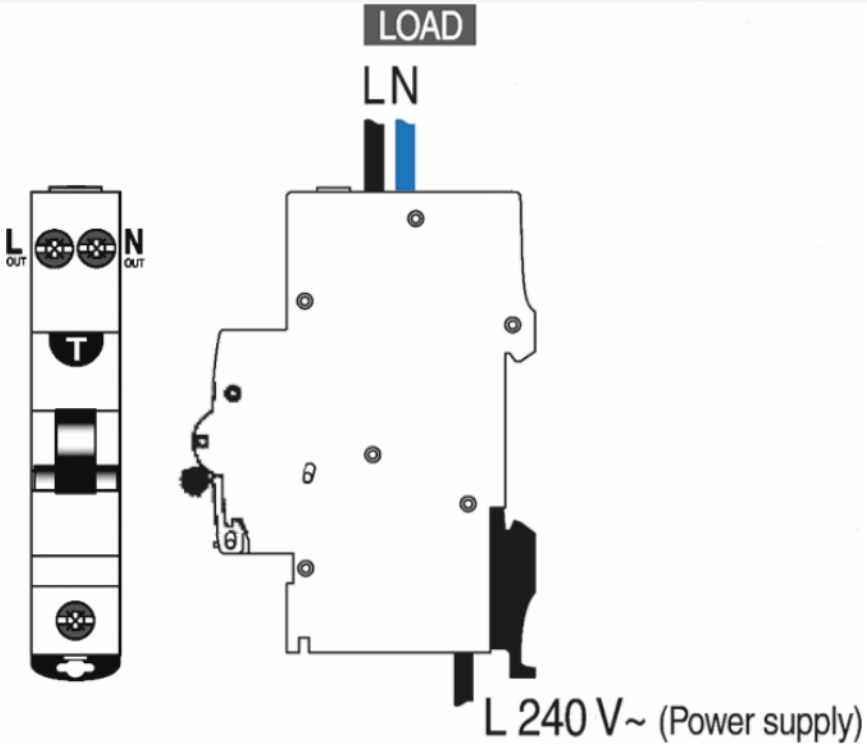

Connection / Wiring Diagram