

# Catalogue No: **MOD6RCBO1-20-30-AL**

## RCBO MOD6 1P+N 6kA 20A C CURVE 30mA TYPE A LONGBODY

Power Distribution and Protection > Circuit Breakers > Miniature Circuit Breakers and Earth Leakage Protection (RCDs and RCBOs) > MOD6 Residual Current Device > MOD6 RCBO1 6kA Panelboard Model - 1 Pole Width (Longbody with Pigtail) > Type A



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Approval No NSW17482 or RCM

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

#### SPECIFICATIONS

Product Series	MOD6
Component Type Power Distribution & Protection	RCBO
Trip Curve	C
RCD Type, AS/NZS 61008/61009	A
$I_{\Delta c}$ , Rated Conditional Residual Short-Circuit Current	6 kA
Tripping Time at $I_{\Delta n}$ , Instantaneous	<40 ms
$I_n$ , Rated Current at 30°C	20 A @30°C
$I_{\Delta n}$ , Rated Leakage Current	30 mA
Neutral Pole Protected	No
Poles	1P + N
Rated Frequency	50 / 60 Hz
$U_n$ , Nominal Operational Voltage, AC	240 V AC
$U_i$ , Rated Insulation Voltage @ Pollution Degree 2	500 V
$U_{bmin}$ , Service Voltage, AC, Min	195 V AC
$U_{bmax}$ , Service Voltage, AC, Max	255 V AC
Selectivity Class (IEC 60898)	A
$I_m$ , Rated Make/Break Capacity	500 A
$I_{\Delta m}$ , Rated Residual Make/Break Capacity	6000 A
$I_{nc}$ , Rated Conditional Short Circuit Current	6 kA
$I_{\Delta c}$ , Rated Conditional Residual Short-Circuit Current	6000 A
$I_{cn}$ , Rated Short Circuit Capacity	6 kA
Isolator Application, IEC 60947-2	Yes
Shock Duration (Max.)	5 ms
$U_i$ , Rated Insulation Voltage	440 V (rms)
Approval(s)	N17482
Standards Compliance	AS/NZS 61009 IEC 60077-16-3 IEC 60947-2
Insulation Resistance	1000 MΩ



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Dielectric Strength	2500V V AC
Electrical Service Life at Un, In	10000 cycles
Mechanical Service Life	20000 cycles
Shock Acceleration (Max.)	40 g
Shock Rating	IEC 60077-16-3
IP Rating, Inside	IP40
Conductor Entry Position	Bottom
IP Rating, Outside	IP20
Flammability Rating (UL94)	UL 94 V-2
Wire / Conductor Size, Flex Cable, In, Min	1 mm <sup>2</sup> In
Wire / Conductor Size, Rigid Cable, Top, Max	25 mm <sup>2</sup> Top
Wire / Conductor Size, Flex Cable, Out, Min	1 mm <sup>2</sup> Out
Package Quantity	1 qty
Wire / Conductor Size, Rigid Cable, In, Min	1 mm <sup>2</sup> In
Wire / Conductor Size, Flex Cable, Top, Max	16 mm <sup>2</sup> Top
Wire / Conductor Size, Rigid Cable, Out, Min	1 mm <sup>2</sup> Out
Wire / Conductor Size, Rigid Cable, Bottom, Max	35 mm <sup>2</sup> Bottom
Wire / Conductor Size, Flex Cable, Bottom, Max	25 mm <sup>2</sup> Bottom
Tightening Torque, Top, Nominal	3 Nm
Tightening Torque, Bottom, Nominal	4.5 Nm
Busbar System, Bottom	Fork Pin
Trip-Free Mechanism	Yes
Mounting	DIN-35 Rail Mount
Sealable	Yes
Centre Trip Position	No
Height	125 mm
Width	18 mm
Depth	76 mm
Weight	0.235 kg
Neutral Pole Switched	No
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
Vibration Acceleration (Max.)	2 m/s <sup>2</sup>
Vibration Rating	IEC 60068-2-6
Certifications	CE RCM

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### REFERENCES

IECEX Certificate

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Supplier Declaration of Conformity:

[MOD6RCBO1xxxxx\\_Supplier Declaration of Conformity \(SDoC\)](#)

Installation Guide:

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User Manual:

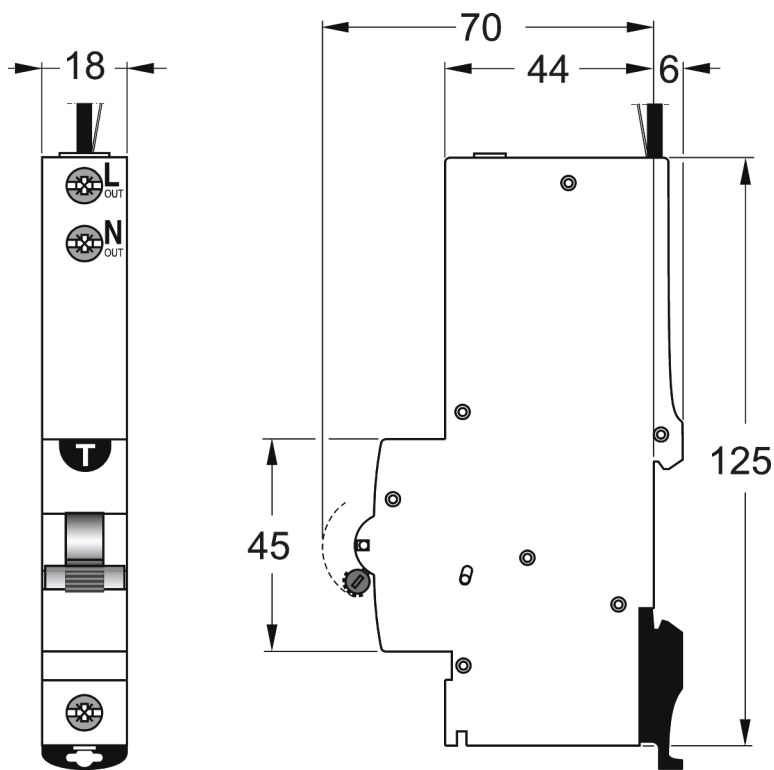
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Manufacturer Datasheet:

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Manufacturer Catalogue & Product Selection:

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Dimension Diagram

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