

Catalogue No: **M6RCBS-16-30-CAN**

RCBO MOD6 1P+N 6kA 16A 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 16A 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, loadcentres and Concept One Panelboards
- Approval No NSW24576 or RCM
- Energy Safe Victoria (ESV) compliant for residential applications
- 10 mA 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 |
| $I_{\Delta c}$, Rated Conditional Residual Short-Circuit Current | 6 kA |
| Tripping Time at $I_{\Delta n}$, Instantaneous | <40 ms |
| I_n , Rated Current at 30°C | 16 A @30°C |
| $I_{\Delta n}$, Rated Leakage Current | 30 mA |
| Neutral Pole Protected | Yes |
| 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) | N24576 |

Catalogue No: **M6RCBS-16-30-CAN**

RCBO MOD6 1P+N 6kA 16A 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



| | |
|---|---|
| Standards Compliance | AS/NZS 61008 AS/NZS 61008-1 AS/NZS 61009 IEC 60077-16-3 IEC 60947-2 |
| Insulation Resistance | 1000 MΩ |
| 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 | Top / Bottom |
| IP Rating, Outside | IP20 |
| Flammability Rating (UL94) | UL 94 V-2 |
| Wire / Conductor Size, Flex Cable, In, Min | 1 mm ² In |
| Wire / Conductor Size, Rigid Cable, Top, Max | 25 mm ² Top |
| Wire / Conductor Size, Flex Cable, Out, Min | 1.5 mm ² Out |
| Package Quantity | 1 qty |
| Wire / Conductor Size, Rigid Cable, In, Min | 1 mm ² In |
| Wire / Conductor Size, Flex Cable, Top, Max | 16 mm ² Top |
| Wire / Conductor Size, Rigid Cable, Out, Min | 1.5 mm ² Out |
| Wire / Conductor Size, Rigid Cable, Bottom, Max | 35 mm ² Bottom |
| Wire / Conductor Size, Flex Cable, Bottom, Max | 25 mm ² 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 |
| Centre Trip Position | No |
| 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 Frequency, Operational (Max.) | 18 Hz |
| Vibration Acceleration (Max.) | 1.5 m/s ² |
| Vibration Frequency, Operational (Max.) | 80 Hz |
| Vibration Duration (Max.) | 30 min |
| Vibration Rating | IEC 60068-2-6 |
| Certifications | CE RCM |

Catalogue No: **M6RCBS-16-30-CAN**

RCBO MOD6 1P+N 6kA 16A 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



REFERENCES

IECEx Certificate

-

Supplier Declaration of Conformity:

[M6RCBSxxxxx_Supplier Declaration of Conformity \(SDoC\)](#)

Installation Guide:

-

User Manual:

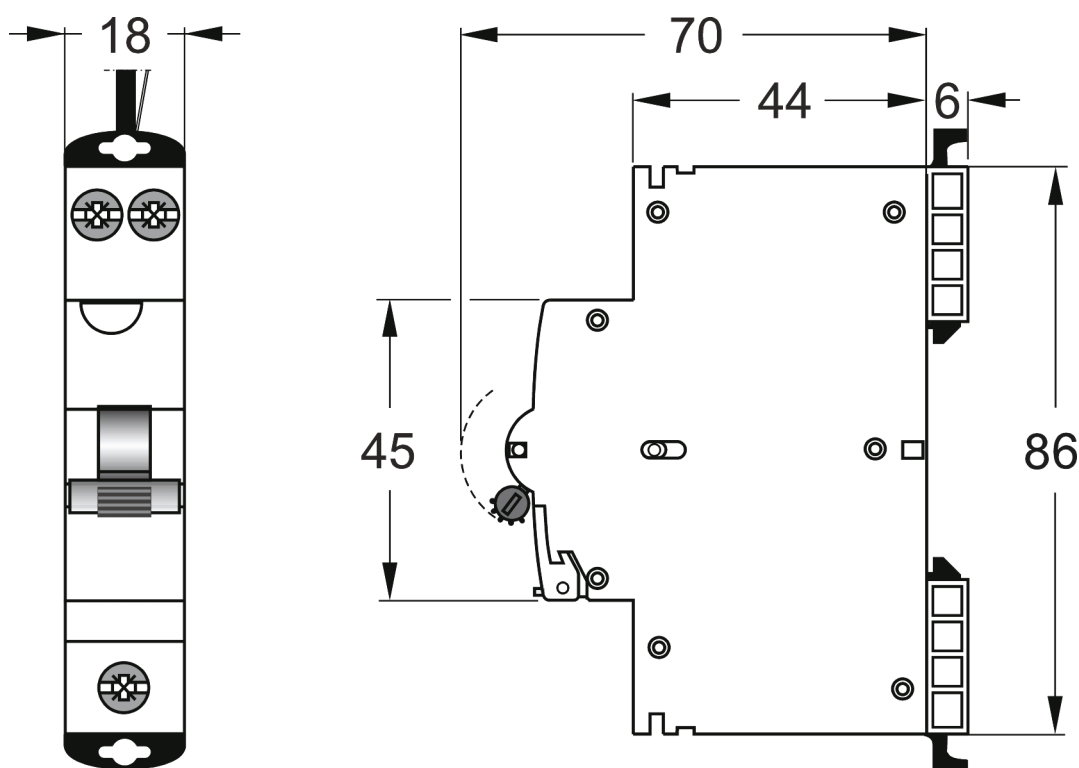
-

Manufacturer Datasheet:

-

Manufacturer Catalogue & Product Selection:

-



Dimension Diagram

Catalogue No: **M6RCBS-16-30-CAN**

RCBO MOD6 1P+N 6kA 16A 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

