

# 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



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

- Approval No NSW24576 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 (Switched Neutral)      |
| In, Rated Current at 30°C                       | 25 A @30°C                |
| IΔn, Rated Leakage Current                      | 30 mA                     |
| Poles                                           | 1P + N                    |
| Neutral Pole Protected                          | Yes                       |
| Rated Frequency                                 | 50 / 60 Hz                |
| Un, Nominal Operational Voltage, AC             | 240 V AC                  |
| U <sub>bmin</sub> , Service Voltage, AC, Min    | 85 V AC                   |
| U <sub>bmax</sub> , Service Voltage, AC, Max    | 255 V AC                  |
| Selectivity Class (IEC 60898)                   | 3                         |
| IΔm, Rated Residual Make/Break Capacity         | 3000 A                    |
| I <sub>cn</sub> , Rated Short Circuit Capacity  | 6 kA                      |
| Isolator Application, IEC 60947-2               | Yes                       |
| Ui, Rated Insulation Voltage                    | 500 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              |
| IP Rating, Inside                               | IP40                      |
| IP Rating, Outside                              | IP20                      |
| Flammability Rating (UL94)                      | UL 94 V-2                 |
| Wire / Conductor Size, Rigid Cable, Top, Max    | 16 mm <sup>2</sup> Top    |
| Wire / Conductor Size, Rigid Cable, Bottom, Max | 25 mm <sup>2</sup> Bottom |
| Tightening Torque, Top, Nominal                 | 3 Nm                      |



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|                                    |                                                                                 |
|------------------------------------|---------------------------------------------------------------------------------|
| Tightening Torque, Bottom, Nominal | 3 Nm                                                                            |
| Busbar System, Top                 | Fork Pin                                                                        |
| Busbar System, Bottom              | Fork Pin                                                                        |
| Mounting                           | DIN-35 Rail Mount                                                               |
| Height                             | 86 mm                                                                           |
| Width                              | 18 mm                                                                           |
| Depth                              | 76 mm                                                                           |
| Weight                             | 0.125 kg                                                                        |
| Operating Temperature, Min         | -5 °C min                                                                       |
| Storage Temperature, Min           | -25 °C min                                                                      |
| Storage Temperature, Max           | 70 °C max                                                                       |
| Relative Humidity, Max             | 95 %RH                                                                          |
| Shock Rating                       | IEC 60077-16-3                                                                  |
| Standards Compliance               | AS/NZS 61008<br>AS/NZS 61008-1<br>AS/NZS 61009<br>IEC 60077-16-3<br>IEC 60947-2 |

### REFERENCES

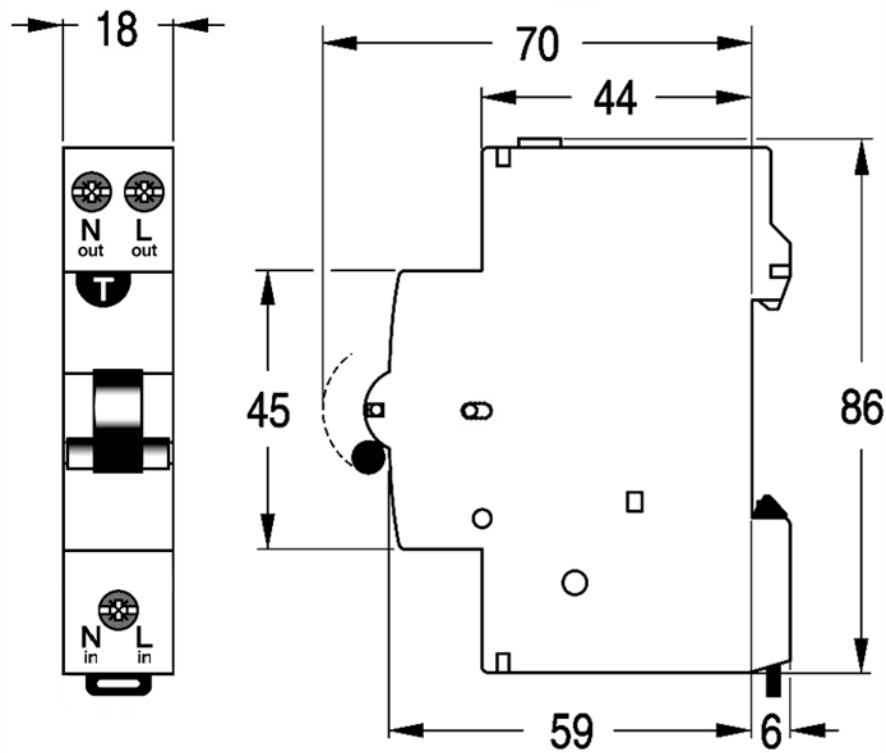
|                                             |                                                                       |
|---------------------------------------------|-----------------------------------------------------------------------|
| IECEx Certificate                           | -                                                                     |
| Supplier Declaration of Conformity:         | <a href="#">M6RCBSxxxxx_Supplier Declaration of Conformity (SDoC)</a> |
| Installation Guide:                         | -                                                                     |
| User Manual:                                | -                                                                     |
| Manufacturer Datasheet:                     | -                                                                     |
| Manufacturer Catalogue & Product Selection: | -                                                                     |



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Dimension Diagram