

# Catalogue No: **DTCB10332C**

## MCB DIN-T10 10kA 3P 32A C CURVE

Power Distribution and Protection > Circuit Breakers > Miniature Circuit Breakers and Earth Leakage Protection (RCDs and RCBOs) > DIN-T Miniature Circuit Breakers > DIN-T10 > C-Curve (5 - 10 In)



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

### MCB 10KA 3P 32A C CURVE DIN

- Complies with AS/NZS 60898 and AS/NZS 60947-2 (as applicable)
- DIN-T10 MCBs feature 10kA short circuit rating
- B curve for long cable runs when fault loop impedance become an issue
- C curve for general light, power and motor starting applications
- D trip curve for high inrush, motor starting and transformer applications
- Pad lockable and sealable toggle restricts unauthorized action
- Large capacity terminals
- Fast connection pin/fork busbar comb or NC or GB busbar chassis
- Suits pole covers, loadcentre's & Concept range of Panelboard's
- Approval No. N17481 or RCM

#### SPECIFICATIONS

|  |   |
|--|---|
| Product Series                                 | DIN-T   |
| Component Type Power Distribution & Protection | MCB   |
| Trip Curve                                     | C   |
| In, Rated Current at 30°C                      | 32 A @30°C                                      |
| Poles  | 3P  |
| Neutral Pole Protected                         | Yes   |
| Rated Frequency                                | 50 / 60 Hz Hz                                   |
| Un, Nominal Operational Voltage, AC            | 415 V AC  |
| Details, Trip Characteristics                  | @400Hz = 1.5 x mag. trip; @DC = 1.4 x mag. trip |
| U <sub>bmin</sub> , Service Voltage, AC, Min   | 12 V AC   |
| U <sub>bmax</sub> , Service Voltage, AC, Max   | 440 V AC  |
| U <sub>bmin</sub> , Service Voltage, DC, Min   | 12 V DC   |
| U <sub>bmax</sub> , Service Voltage, DC, Max   | 120 V DC  |
| Isolator Application, IEC 60947-2              | Yes   |
| Impulse Withstand Test Voltage                 | 6 kV  |
| Insulation Resistance                          | 10000 MΩ  |
| Dielectric Strength                            | 2.5kV   |
| Electrical Service Life at Un, In              | 10000 cycles                                    |
| Mechanical service life                        | 20000 cycles                                    |
| Utilization Category                           | A   |
| IP Rating, Inside                              | IP40  |
| IP Rating, Outside                             | IP20  |
| Flammability Rating (UL94)                     | UL 94 V-2                                       |
| Wire / Conductor Size, Rigid Cable, In, Min    | 1 mm <sup>2</sup> In                            |
| Wire / Conductor Size, Rigid Cable, Top, Max   | 35 mm <sup>2</sup> Top                          |
| Wire / Conductor Size, Rigid Cable, Out, Min   | 1 mm <sup>2</sup> Out                           |
| Wire / Conductor Size, Flex Cable, Top, Max    | 25 mm <sup>2</sup> Top                          |
| Wire / Conductor Size, Flex Cable, In, Min     | 0.75 mm <sup>2</sup> In                         |

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|  |  |
|--|--|
| Wire / Conductor Size, Rigid Cable, Bottom, Max                    | 35 mm <sup>2</sup> Bottom  |
| Wire / Conductor Size, Flex Cable, Out, Min                        | 0.75 mm <sup>2</sup> Out   |
| Wire / Conductor Size, Flex Cable, Bottom, Max                     | 25 mm <sup>2</sup> Bottom  |
| Tightening Torque, Top, Nominal                                    | 4.5 Nm   |
| Tightening Torque, Bottom, Nominal                                 | 4.5 Nm   |
| Busbar System, Top   | Pin  |
| Busbar System, Bottom  | Fork<br>Pin  |
| Trip-Free Mechanism  | Yes  |
| Mounting   | DIN-35 Rail Mount  |
| Add-On Devices (side add-on)                                       | Motor Operator<br>Auxiliary Contacts<br>UVT<br>Shunt Trip<br>Panelboard Switch |
| Sealable   | Yes Y / N  |
| Centre Trip Position   | No Y / N   |
| Accessories  | Yes  |
| Icn, Rated Short-Circuit Capacity, 3P/4P, 230/400V AC              | 10 kA  |
| Ics, Rated Service Short-Circuit Breaking Capacity, AC (IEC 60898) | 75 % Icn   |
| Icu, Rated Ultimate Short-Circuit Breaking Capacity, 220/240V AC   | 30 kA @220/240VAC  |
| Icu, Rated Ultimate Short-Circuit Breaking Capacity, 400/415V AC   | 15 kA @400/415VAC  |
| Icu, Rated Ultimate Short-Circuit Breaking Capacity, 440V AC       | 10 kA @440VAC  |
| Ics, Rated Service Short-Circuit Breaking Capacity, AC (IEC 60947) | 50 % Icu   |
| Ics, Rated Service Short-Circuit Breaking Capacity, DC             | 100 % Icu  |
| NEMA AB1, Short-Circuit Capacity, 120/240V AC                      | 30 kA  |
| Height   | 86 mm  |
| Width  | 54 mm  |
| Depth  | 76 mm  |
| Weight   | 0.36 kg  |
| Package Quantity   | 12 qty   |
| Approval(s)  | N17481   |
| Neutral Pole Switched  | Yes  |
| Operating Temperature, Min   | -25 °C min   |
| Operating Temperature, Max   | 55 °C max  |
| Storage Temperature, Min   | -55 °C min   |
| Storage Temperature, Max   | 55 °C max  |
| Relative Humidity, Max   | 95 %RH   |
| Icu, Rated Ultimate Short-Circuit Breaking Capacity, 240V AC, 3/4P | 30 kA @240VAC, 3/4P  |
| Icu, Rated Ultimate Short-Circuit Breaking Capacity, 415V AC, 3/4P | 15 kA @415VAC, 3/4P  |
| Icu, Rated Ultimate Short-Circuit Breaking Capacity, 440V AC, 3/4P | 10 kA @440VAC, 3/4P  |
| Vibration Acceleration (Max.)                                      | 3 g  |
| Vibration Rating   | IEC 60077-16-3   |

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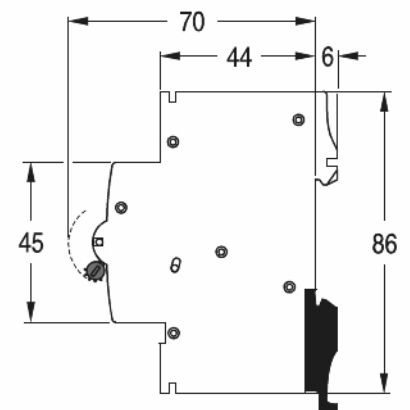
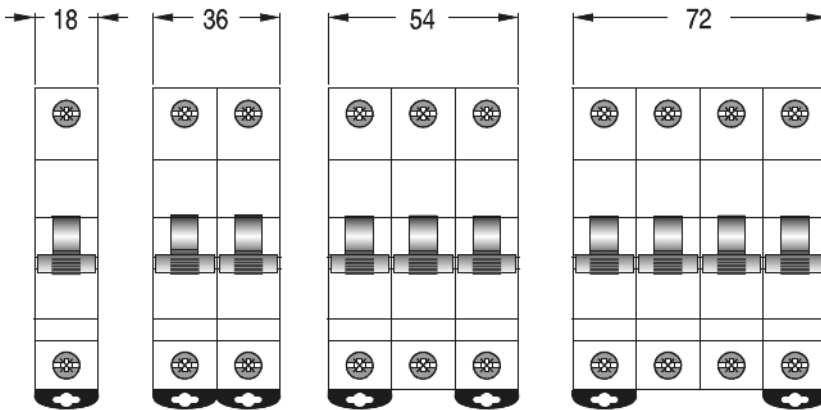


|                      |   |
|----------------------|---|
| Standards Compliance | IEC 60898<br>IEC 60077-16-3<br>IEC 60947-2<br>IEC 60068-2<br>DIN 40046<br>UL 94 V-2<br>AS/NZS 3111:2009 |
|----------------------|---|

|                |           |
|----------------|-----------|
| Certifications | CE<br>RCM |
|----------------|-----------|

### REFERENCES

|   |   |
|---|---|
| IECEX Certificate                           | -   |
| Supplier Declaration of Conformity:         | <a href="#">DTCB10xxx_Supplier Declaration of Conformity (SDoC)</a> |
| Installation Guide:                         | -   |
| User Manual:                                | -   |
| Manufacturer Datasheet:                     | -   |
| Manufacturer Catalogue & Product Selection: | -   |



Dimension Diagram