

Catalogue No: DTCTB10206C

MCB DIN-T10 10kA 2P 6A 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 DIN-T10 10KA 2P 6A C CURVE

- 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, loadcentres and the Concept range of Panelboards
- Approval No. N17481 or RCM

SPECIFICATIONS

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|--|---|
| Product Series | DIN-T |
| Component Type Power Distribution & Protection | MCB |
| Trip Curve | C |
| In, Rated Current at 30°C | 6 A @30°C |
| Poles | 2P |
| Neutral Pole Protected | Yes |
| Rated Frequency | 50 / 60 Hz |
| Un, Nominal Operational Voltage, AC | 415 V AC |
| Un, Nominal Operational Voltage, DC | 110 V DC |
| Details, Trip Characteristics | @400Hz = 1.5 x mag. trip; @DC = 1.4 x mag. trip |
| U _{min} , Service Voltage, AC, Min | 12 V AC |
| U _{max} , Service Voltage, AC, Max | 440 V AC |
| U _{min} , Service Voltage, DC, Min | 12 V DC |
| U _{max} , 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 V AC |
| Electrical Service Life at Un, In | 10000 cycles |
| Mechanical Service Life | 20000 cycles |
| Utilisation 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 ² In |
| Wire / Conductor Size, Rigid Cable, Top, Max | 35 mm ² Top |
| Wire / Conductor Size, Rigid Cable, Out, Min | 1 mm ² Out |
| Wire / Conductor Size, Flex Cable, Top, Max | 25 mm ² Top |



DIN-T

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| | |
|--|--|
| Wire / Conductor Size, Flex Cable, In, Min | 0.75 mm ² In |
| Wire / Conductor Size, Rigid Cable, Bottom, Max | 35 mm ² Bottom |
| Wire / Conductor Size, Flex Cable, Out, Min | 0.75 mm ² Out |
| Wire / Conductor Size, Flex Cable, Bottom, Max | 25 mm ² Bottom |
| Tightening Torque, Top, Nominal | 4.5 Nm |
| Tightening Torque, Bottom, Nominal | 4.5 Nm |
| Busbar System, Top | Pin |
| Busbar System, Bottom | Fork Pin |
| Trip-Free Mechanism | Yes |
| Mounting | DIN-35 Rail Mount |
| Add-On Devices (side add-on) | Motor Operator Auxiliary Contacts UVT Shunt Trip Panelboard Switch |
| Sealable | Yes |
| Centre Trip Position | No |
| Accessories | Yes |
| Icn, Rated Short-Circuit Capacity, 2P, 230/400V AC | 10 kA |
| Ics, Rated Service Short-Circuit Breaking Capacity, AC (IEC 60898) | 75 % Icn |
| Icu, Rated Ultimate Short-Circuit Breaking Capacity, 127V AC, 2P | 40 kA @127VAC, 2P |
| 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 |
| Ics, Rated Service Short-Circuit Breaking Capacity, AC (IEC 60947) | 50 % Icu |
| Icu, Rated Ultimate Short-Circuit Breaking Capacity, 125V DC | 30 kA @125VDC |
| Ics, Rated Service Short-Circuit Breaking Capacity, DC | 100 % Icu |
| NEMA AB1, Short-Circuit Capacity, 120/240V AC | 30 kA |
| Height | 86 mm |
| Width | 36 mm |
| Depth | 76 mm |
| Weight | 0.24 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, 2P | 30 kA @240VAC, 2P |
| Icu, Rated Ultimate Short-Circuit Breaking Capacity, 415V AC, 2P | 15 kA @415VAC, 2P |
| Icu, Rated Ultimate Short-Circuit Breaking Capacity, 125V DC, 2P | 30 kA @125VDC, 2P |
| Vibration Acceleration (Max.) | 3 m/s ² |
| Vibration Rating | IEC 60077-16-3 |

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

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|----------------|-----------|
| Certifications | CE RCM |
|----------------|-----------|

REFERENCES

IECEX Certificate -

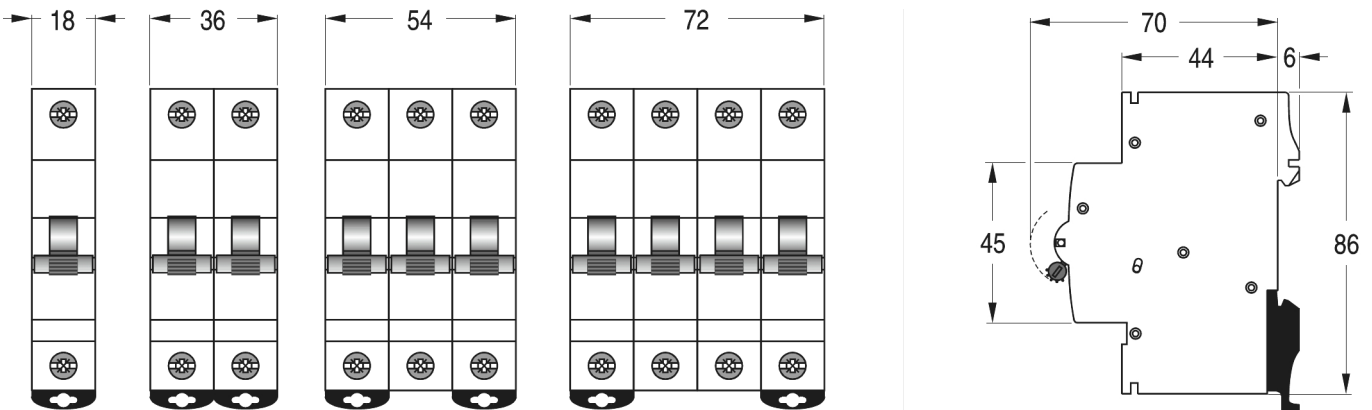
Supplier Declaration of Conformity: [DTCB10xxx_Supplier Declaration of Conformity \(SDoC\)](#)

Installation Guide: -

User Manual: -

Manufacturer Datasheet: -

Manufacturer Catalogue & Product Selection: -



Dimension Diagram