



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

#### MCB 6KA 3P 32A D CURVE DIN

- Complies with AS/NZS 60898 and AS/NZS 60947-2 (as applicable)
- DIN-T6 MCBs feature 6kA short circuit rating
- 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                                      | D                                               |
| 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>min</sub> , Service Voltage, AC, Min     | 12 V AC                                         |
| U <sub>bmax</sub> , Service Voltage, AC, Max    | 440 V AC                                        |
| 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                         |
| Wire / Conductor Size, Rigid Cable, Bottom, Max | 35 mm <sup>2</sup> Bottom                       |

# Catalogue No: **DTCB6332D**

## MCB DIN-T6 6kA 3P 32A D CURVE

Power Distribution and Protection > Circuit Breakers > Miniature Circuit Breakers and Earth Leakage Protection (RCDs and RCBOs) > DIN-T Miniature Circuit Breakers > DIN-T6 > D-Curve (10 - 20 In)

**NHP**

|                                                                    |                                                                                |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 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)                                       | Auxiliary Contacts<br>Motor Operator<br>Panelboard Switch<br>Shunt Trip<br>UVT |
| Sealable                                                           | Yes Y / N                                                                      |
| Centre Trip Position                                               | No Y / N                                                                       |
| Accessories                                                        | Yes                                                                            |
| Icn, Rated Short-Circuit Capacity, 3P/4P, 230/400V AC              | 6 kA                                                                           |
| Ics, Rated Service Short-Circuit Breaking Capacity, AC (IEC 60898) | 100 % Icn                                                                      |
| Icu, Rated Ultimate Short-Circuit Breaking Capacity, 220/240V AC   | 15 kA @220/240VAC                                                              |
| Icu, Rated Ultimate Short-Circuit Breaking Capacity, 400/415V AC   | 10 kA @400/415VAC                                                              |
| Icu, Rated Ultimate Short-Circuit Breaking Capacity, 440V AC       | 6 kA @440VAC                                                                   |
| Ics, Rated Service Short-Circuit Breaking Capacity, AC (IEC 60947) | 75 % Icu                                                                       |
| Ics, Rated Service Short-Circuit Breaking Capacity, DC             | 100 % Icu                                                                      |
| NEMA AB1, Short-Circuit Capacity, 120/240V AC                      | 20 kA                                                                          |
| Height                                                             | 86 mm                                                                          |
| Width                                                              | 54 mm                                                                          |
| Depth                                                              | 76 mm                                                                          |
| Weight                                                             | 0.36 kg                                                                        |
| Package Quantity                                                   | 12 qty                                                                         |
| Approval(s)                                                        | N17481                                                                         |
| 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 | 20 kA @240VAC, 3/4P                                                            |
| Icu, Rated Ultimate Short-Circuit Breaking Capacity, 415V AC, 3/4P | 10 kA @415VAC, 3/4P                                                            |
| Shock Acceleration (Max.)                                          | 40 g                                                                           |
| Shock Duration (Max.)                                              | 5 ms                                                                           |
| Shock Rating                                                       | IEC 60068-2-27                                                                 |
| Vibration Acceleration (Max.)                                      | 3 g                                                                            |
| Vibration Rating                                                   | IEC 60077-16-3                                                                 |

Catalogue No: **DTCB6332D**  
MCB DIN-T6 6kA 3P 32A D CURVE

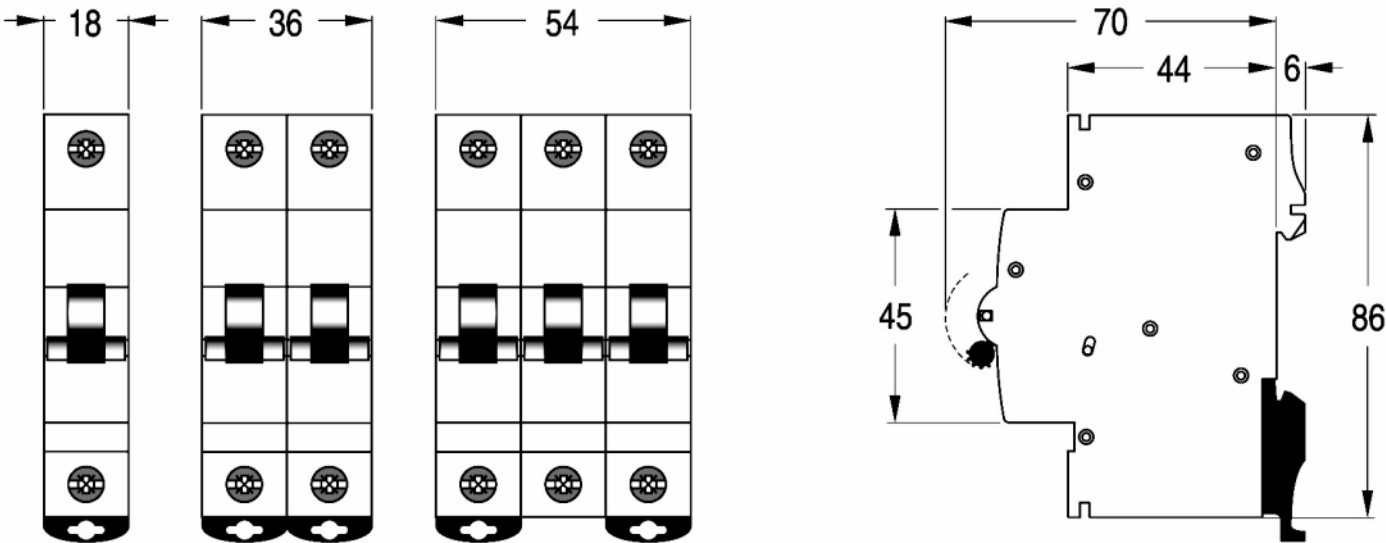
Power Distribution and Protection > Circuit Breakers > Miniature Circuit Breakers and Earth Leakage Protection (RCDs and RCBOs) > DIN-T Miniature Circuit Breakers > DIN-T6 > D-Curve (10 - 20 In)



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

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

| REFERENCES                                  |                                                                    |
|---------------------------------------------|--------------------------------------------------------------------|
| IECEx Certificate                           | -                                                                  |
| Supplier Declaration of Conformity:         | <a href="#">DTCB6xxx_Supplier Declaration of Conformity (SDoC)</a> |
| Installation Guide:                         | -                                                                  |
| User Manual:                                | -                                                                  |
| Manufacturer Datasheet:                     | -                                                                  |
| Manufacturer Catalogue & Product Selection: | -                                                                  |



Dimension Diagram



DIN-T