

# Catalogue No: **DTCBDC101C**

## MCB DIN-T DC 6kA 1P 1A C CURVE

Power Distribution and Protection > Circuit Breakers > Miniature Circuit Breakers and Earth Leakage Protection (RCDs and RCBOs) > DIN-T Miniature Circuit Breakers > DIN-T DC Series > DIN-T DC 1 Pole C-Curve (5 - 10 In)




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

### DIN-T DC MCB 6kA 1 Pole 1A C Curve

- Complies with AS/NZS 60898
- DIN-T DC MCBs feature 6kA short circuit rating
- C-Curve tripping characteristic
- Pad lockable and sealable toggle restricts unauthorized action
- Polarity sensitive
- 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. NSW24265 or RCM

#### SPECIFICATIONS

Product Series	DIN-T
Component Type Power Distribution & Protection	MCB
Trip Curve	C
In, Rated Current at 30°C	1 A @30°C
Poles	1P
Rated Frequency	50 / 60 Hz Hz
Un, Nominal Operational Voltage, AC	240 V AC
Un, Nominal Operational Voltage(s), AC	240 V AC 415
Un, Nominal Operational Voltage, DC	250 V DC
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	250 V AC
U <sub>bmin</sub> , Service Voltage, DC, Min	12 V DC
U <sub>bmax</sub> , Service Voltage, DC, Max	250 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	1000 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

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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
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	Fork Pin
Busbar System, Bottom	Fork Pin
Trip-Free Mechanism	Yes
Mounting	DIN-35 Rail Mount
Add-On Devices (side add-on)	Auxiliary Contacts UVT Motor Operator Panelboard Switch Shunt Trip
Sealable	Yes Y / N
Centre Trip Position	No Y / N
Accessories	Yes
Icn, Rated Short-Circuit Capacity, 1P, 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	10 kA @220/240VAC
Icu, Rated Ultimate Short-Circuit Breaking Capacity, <=60V DC	10 kA
Height	86 mm
Width	18 mm
Depth	76 mm
Weight	0.125 kg
Package Quantity	12 qty
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, 1P	6 kA @240VAC, 1P
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 415V AC, 2P	6 kA @415VAC, 2P
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 60V DC, 1P	10 kA @60VDC, 1P
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 220V DC, 1P	20 kA @220VDC, 1P
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 125V DC, 2P	10 kA @125VDC, 2P
Vibration Acceleration (Max.)	5 g
Vibration Rating	IEC 60077-16-3

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

### REFERENCES

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

