Catalogue No: **DTCBDC250C**

MCB DIN-T DC 6kA 2P 50A 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 2 Pole C-Curve (5 - 10 In)



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

DIN-T DC MCB 6kA 2 Pole 50A 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	50 A @30°C
Poles	2P
Rated Frequency	50 / 60 Hz Hz
Un, Nominal Operational Voltage, AC	415 V AC
Un, Nominal Operational Voltage(s), AC	415 V AC
Un, Nominal Operational Voltage, DC	500 V DC
Details, Trip Characteristics	@400Hz = 1.5 x mag. trip; @DC = 1.4 x mag. trip
Ubmin, Service Voltage, AC, Min	12 V AC
Ubmax, Service Voltage, AC, Max	440 V AC
Ubmin, Service Voltage, DC, Min	12 V DC
Ubmax, Service Voltage, DC, Max	500 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 mm² In
Wire / Conductor Size, Rigid Cable, Top, Max	35 mm² Top
Wire / Conductor Size, Rigid Cable, Out, Min	1 mm² Out
Wire / Conductor Size, Flex Cable, Top, Max	25 mm² Top

Wire / Conductor Size, Flex Cable, In, Min	0.75 mm² In
Wire / Conductor Size, Rigid Cable, Bottom, Max	35 mm² Bottom
Wire / Conductor Size, Flex Cable, Out, Min	0.75 mm² Out
Wire / Conductor Size, Flex Cable, Bottom, Max	25 mm² 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, 2P, 230/400V AC	6 kA
Ics, Rated Service Short-Circuit Breaking Capacity, AC (IEC 60898)	100 % Icn
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 400/415V AC	10 kA @400/415VAC
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 125V DC	10 kA @125VDC
Height	86 mm
Width	36 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
Vibration Acceleration (Max.)	5 g
Vibration Rating	IEC 60077-16-3
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

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REFERENCES	
IECEx Certificate	-
Supplier Declaration of Conformity:	DTCBDCxxxx_Supplier Declaration of Conformity (SDoC)
Installation Guide:	-
User Manual:	-
Manufacturer Datasheet:	-
Manufacturer Catalogue & Product Selection:	-

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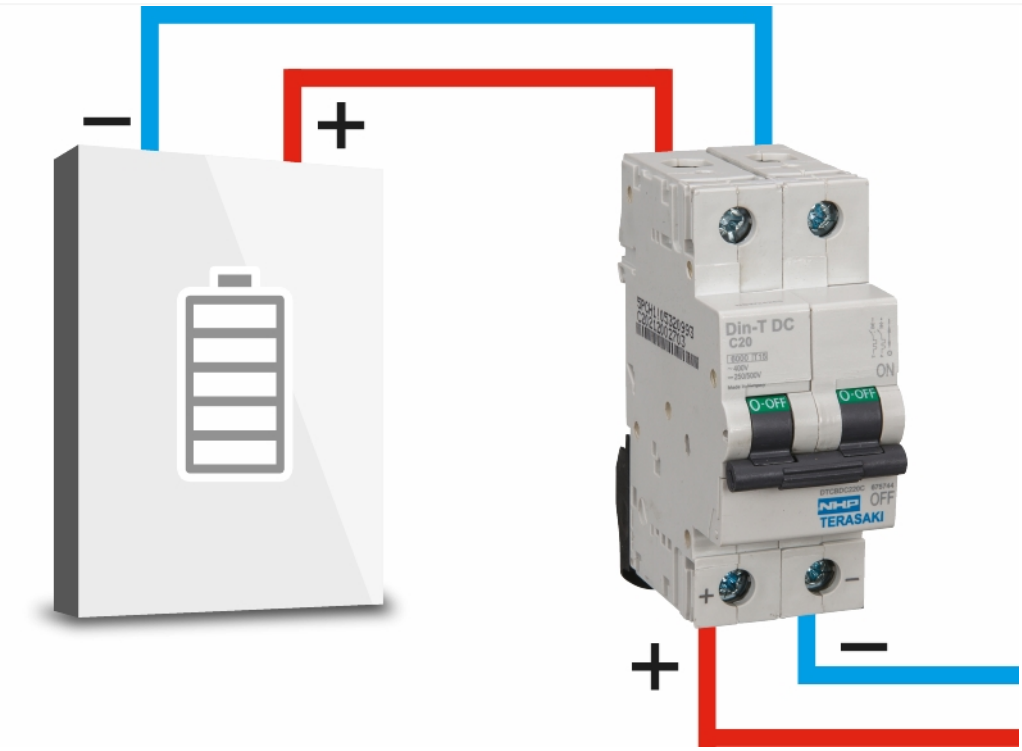

Connection / Wiring Diagram