Catalogue No: **DTCB6120D**

MCB DIN-T6 6kA 1P 20A 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)



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

MCB 6KA 1P 20A 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

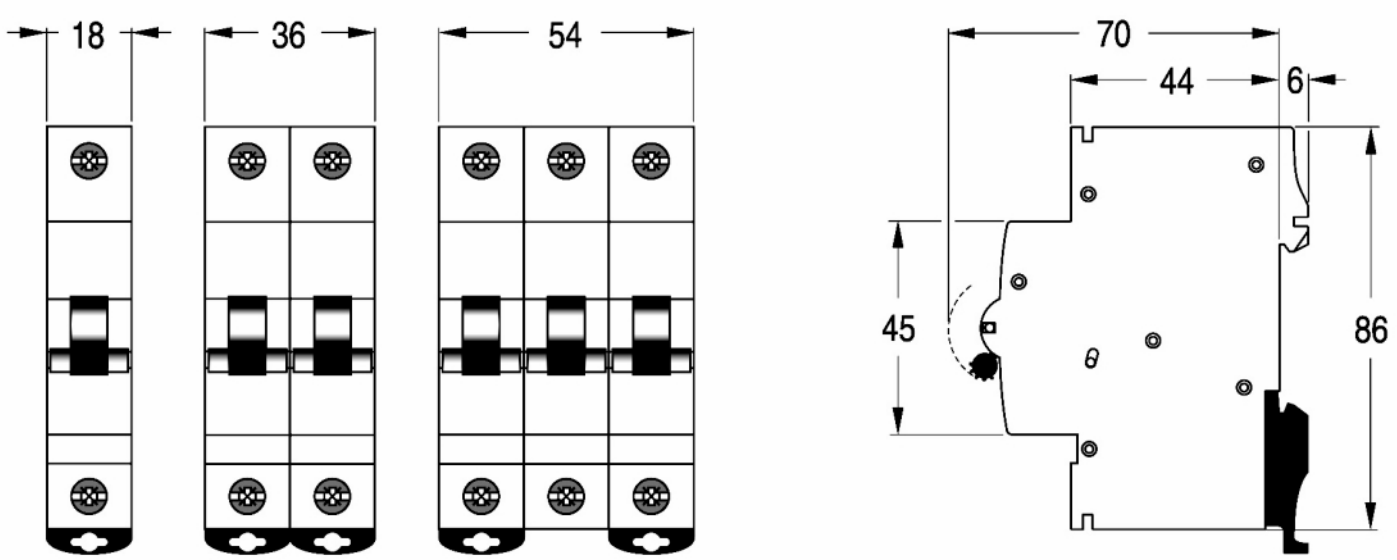
SPECIFICATIONS	
Product Series	DIN-T
Component Type Power Distribution & Protection	MCB
Trip Curve	D
In, Rated Current at 30°C	20 A @30°C
Poles	1P
Neutral Pole Protected	Yes
Rated Frequency	50 / 60 Hz Hz
Un, Nominal Operational Voltage, AC	240 V AC
Un, Nominal Operational Voltage, DC	48 V DC
Details, 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	250 V AC
Ubmax, Service Voltage, DC, Max	53 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 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	Pin
Busbar System, Bottom	Fork Pin
Trip-Free Mechanism	Yes
Mounting	DIN-35 Rail Mount
Add-On Devices (side add-on)	Auxiliary Contacts Motor Operator Panelboard Switch Shunt Trip UVT
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, 127V AC, 1P	20 kA @127VAC, 1P
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 220/240V AC	10 kA @220/240VAC
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 400/415V AC	3 kA @400/415VAC
Ics, Rated Service Short-Circuit Breaking Capacity, AC (IEC 60947)	75 % Icu
Icu, Rated Ultimate Short-Circuit Breaking Capacity, <=60V DC	20 kA
Ics, Rated Service Short-Circuit Breaking Capacity, DC	100 % Icu
NEMA AB1, Short-Circuit Capacity, 120/240V AC	20 kA
Height	86 mm
Width	18 mm
Depth	76 mm
Weight	0.12 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, 1P	10 kA @240VAC, 1P
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 415V AC, 1P	3 kA @415VAC, 1P
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 60V DC, 1P	20 kA @60VDC, 1P
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
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:	DTCB6xxxx_Supplier Declaration of Conformity (SDoC)
Installation Guide:	-
User Manual:	-
Manufacturer Datasheet:	-
Manufacturer Catalogue & Product Selection:	-



Dimension Diagram