

Catalogue No: **DTCB10H380C**

MCB DIN-T 10H 3P 80A C CURVE

Power Distribution and Protection > Circuit Breakers > Miniature Circuit Breakers and Earth Leakage Protection (RCDs and RCBOs) > DIN-T Miniature Circuit Breakers > DIN-T10H > C-Curve (5-10 In)



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

MCB DIN-T 10H 16kA 3P 80A C Curve

- AS/NZS 60947-2 & AS/NZS 60898*
- Centre trip position & trip test button
- Red ON or Green OFF status flag
- Sealable for tamper proof operation
- Pad lock accessory restricts unauthorized action
- Large capacity terminals
- 2 arc chambers ensuring excellent operating/backup characteristics
- Fast connection NCH Hybrid busbar chassis
- * When not mounted on NCH chassis IP20 shroud must be fitted
- For commercial and industrial applications
- Suits pole-covers, loadcentres and the Concept range of Panelboards

SPECIFICATIONS

Product Series	DIN-T
Component Type Power Distribution & Protection	MCB
Trip Curve	C
In, Rated Current at 30°C	80 A @30°C
Number of Poles	3
Poles	3P
Rated Frequency	50 / 60 Hz
Un, Nominal Operational Voltage(s), AC	415 V AC
Ue, Rated Operational Voltage, AC, max	440 V AC
Un, Nominal Operational Voltage, DC	375 V DC
Ue, Rated Operational Voltage, DC, min	12 V DC
Ue, Rated Operational Voltage, DC, max	375 V DC
Details, Trip Characteristics	5-10 x In
U _{bmin} , Service Voltage, AC, Min	12 V AC
U _{bmax} , Service Voltage, AC, Max	440 V AC
U _{bmax} , Service Voltage, DC, Max	375 V DC
Isolator Application, IEC 60947-2	Yes
Impulse Withstand Test Voltage	8 kV
Dielectric Strength	10000 V AC
Electrical Service Life at Un, In	6000 cycles
Mechanical Service Life	10000 cycles
Utilisation Category	A
IP Rating, Outside	IP20 IP40 (actuating side only)
Wire / Conductor Size, Rigid Cable, In, Min	1 mm ² In
Wire / Conductor Size, Rigid Cable, Top, Max	70 mm ² Top
Wire / Conductor Size, Rigid Cable, Out, Min	1 mm ² Out
Wire / Conductor Size, Flex Cable, Top, Max	50 mm ² Top



DIN-T

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Wire / Conductor Size, Flex Cable, In, Min	1 mm ² In
Wire / Conductor Size, Rigid Cable, Bottom, Max	70 mm ² Bottom
Wire / Conductor Size, Flex Cable, Out, Min	1 mm ² Out
Wire / Conductor Size, Flex Cable, Bottom, Max	50 mm ² Bottom
Tightening Torque, Top, Nominal	3 Nm
Tightening Torque, Bottom, Nominal	4 Nm
Trip-Free Mechanism	Yes
Compatible Chassis Series	NCH compatible
Add-On Devices (side add-on)	Auxiliary Contacts Locking Device Shunt Trip
Padlockable	Yes with accessory
Sealable	Yes
Centre Trip Position	Yes
Icn, Rated Short Circuit Capacity, AC	10 kA
Icn, Rated Short Circuit Capacity, DC	10 kA
Icn, Rated Short-Circuit Capacity, 1P, 230/400V AC	15 kA
Icn, Rated Short-Circuit Capacity, 2P, 230/400V AC	15 kA
Icn, Rated Short-Circuit Capacity, 3P/4P, 230/400V AC	15 kA
Ics, Rated Service Short-Circuit Breaking Capacity, AC (IEC 60898)	50 % Icn
Ics, Rated Service Short-Circuit Breaking Capacity, DC	100 % Icu
Material, Body / Housing	Group I, RAL 7035 material
Wire Strip Length	19 mm
Height	100 mm
Width	81 mm
Depth	90 mm
Weight	0.74 kg
Package Quantity	1 qty
Neutral Pole Switched	Yes
Operating Temperature, Min	-25 °C min
Operating Temperature, Max	60 °C max
Storage Temperature, Min	-40 °C min
Storage Temperature, Max	70 °C max
Humidity Type	Damp Heat (IEC60068-2-30)
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 240V AC, 1P	16 kA @240VAC, 1P
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 375V DC, 3P[kA@375VDC,3P]	10 kA
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 125V DC, 1P[kA@125VDC, 1P]	10 kA
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 500V DC, 4P [kA@500VDC,4p]	10 kA
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 250V DC, 2P[kA@250VDC, 2P]	10 kA
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 415V AC, 1P	16 kA @415VAC, 1P
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 240V AC, 2P	16 kA @240VAC, 2P
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 415V AC, 2P	16 kA @415VAC, 2P
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 240V AC, 3/4P	16 kA @240VAC, 3/4P

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Icu, Rated Ultimate Short-Circuit Breaking Capacity, 415V AC, 3/4P	16 kA @415VAC, 3/4P
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 440V AC, 3/4P	16 kA @440VAC, 3/4P
Shock Acceleration (Max.)	5 g
Shock Duration (Max.)	30 ms
Shock Rating	IEC60068-2-30 IEC61373 Cat1 Class B
Vibration Rating	IEC 60068-2-6
Standards Compliance	EN 60898-1 IEC 60898-1 IEC 60947-2 UL 489
Certifications	AS/NZS 60947-2 DIN 40046 IEC 60068-2 IEC 60077 -16-3 IEC 60947-2 UL 94 V-2
Shipping Approvals	CCC DNV-GL (Det Norske Veritas Germanischer Lloyd) Lloyd's Register of Shipping RINA (Registro Italiano Navale) VDE

REFERENCES

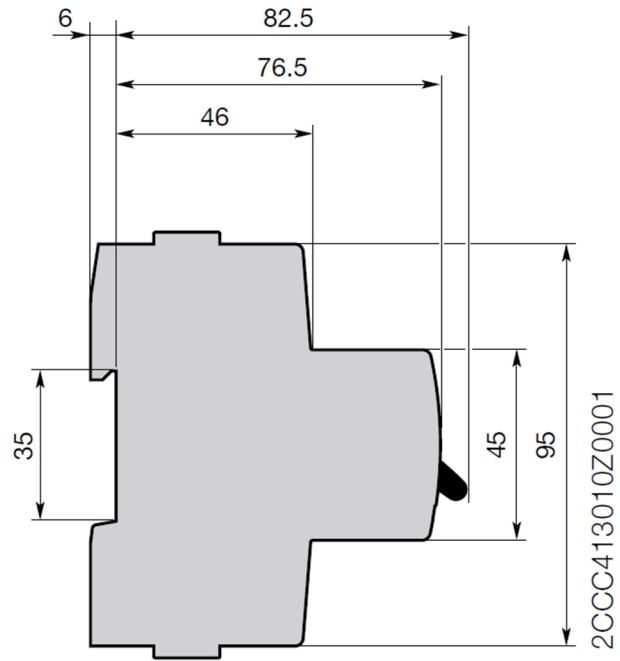
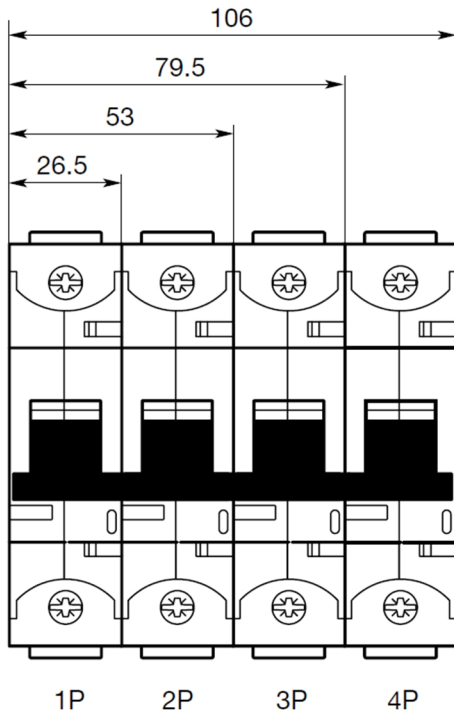
IECEX Certificate	-
Supplier Declaration of Conformity:	-
Installation Guide:	-
User Manual:	-
Manufacturer Datasheet:	-
Manufacturer Catalogue & Product Selection:	-



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Dimension Diagram