

# Catalogue No: **DINT10H3100C**

## MCB DIN-T10H 10kA 3P 100A 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 10kA 10H 3P 100A C CURVE DIN

- Complies with AS/NZS 60947-2
- DIN-T10 MCBs feature 10kA short circuit rating (7.5kA D curve)
- C curve for general light, power and motor starting applications
- D trip curve for high inrush, motor starting and transformer applications
- Pad lockable toggle restricts unauthorized action
- Large capacity terminals
- Fast connection NC Hybrid busbar chassis
- For 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 40°C	100 A @40°C
Poles	3P
Neutral Pole Protected	Yes
Rated Frequency	50 / 60 Hz
Un, Nominal Operational Voltage, AC	415 V AC
Un, Nominal Operational Voltage(s), AC	415 V AC
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	440 V AC
U <sub>bmin</sub> , Service Voltage, DC, Min	12 V DC
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 V AC
Electrical Service Life at Un, In	4000 cycles
Mechanical Service Life	20000 cycles
Utilisation Category	A
IP Rating, Inside	IP40
IP Rating, Outside	IP20
Flammability Rating (UL94)	UL 94 V-2
Wire / Conductor Size, Rigid Cable, In, Min	2.5 mm <sup>2</sup> In
Wire / Conductor Size, Rigid Cable, Top, Max	70 mm <sup>2</sup> Top
Wire / Conductor Size, Rigid Cable, Out, Min	2.5 mm <sup>2</sup> Out
Wire / Conductor Size, Rigid Cable, Bottom, Max	70 mm <sup>2</sup> Bottom



# DIN-T

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DINT10H3100C Datasheet

14 January 2021, Page 1 of 3

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Tightening Torque, Top, Nominal	5 Nm
Tightening Torque, Bottom, Nominal	5 Nm
Trip-Free Mechanism	Yes
Mounting	DIN-35 Rail Mount
Add-On Devices (side add-on)	Auxiliary Contacts Shunt Trip
Sealable	No
Centre Trip Position	No
Accessories	No
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 220/240V AC	15 kA @220/240VAC
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 240V AC	10 kA @240VAC
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 400/415V AC	10 kA @400/415VAC
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 415V AC	4.5 kA @415VAC
Ics, Rated Service Short-Circuit Breaking Capacity, AC (IEC 60947)	100 % Icu
Icu, Rated Ultimate Short-Circuit Breaking Capacity, <=60V DC	10 kA
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 125V DC	15 kA @125VDC
Ics, Rated Service Short-Circuit Breaking Capacity, DC	100 % Icu
Height	94 mm
Width	81 mm
Depth	85 mm
Weight	0.63 kg
Package Quantity	8 qty
Neutral Pole Switched	Yes
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
Tightening Torque, Terminals, Bottom, Max	5 Nm
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 240V AC, 3/4P	15 kA @240VAC, 3/4P
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 415V AC, 3/4P	10 kA @415VAC, 3/4P
Tightening Torque, Terminals, Top, Max	5 Nm
Vibration Acceleration (Max.)	3 m/s <sup>2</sup>
Vibration Rating	IEC 60077-16-3
Standards Compliance	IEC 60947-2 IEC 60077-16-3 IEC 60068-2 DIN 40046 UL 94 V-2 AS/NZS 60947-2
Certifications	CE

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### REFERENCES

IECEX Certificate -

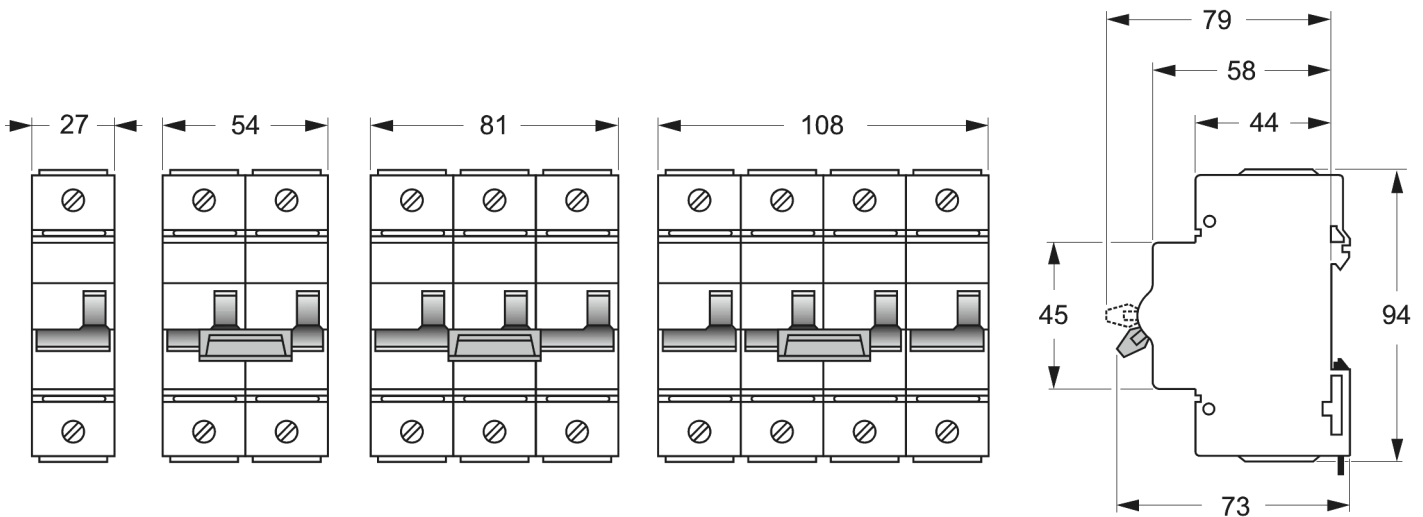
Supplier Declaration of Conformity: -

Installation Guide: -

User Manual: -

Manufacturer Datasheet: -

Manufacturer Catalogue & Product Selection: -



Dimension Diagram