## 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 ln)





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         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           Un, Nominal Operational Voltage(s), AC         415 V AC           Ubmin, Service Voltage, AC, Min         12 V AC           Ubmax, Service Voltage, AC, Max         440 V AC           Ubmax, Service Voltage, DC, Min         12 V DC           Ubmax, 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         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		
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           Ubmin, Service Voltage, AC, Min         12 V AC           Ubmin, Service Voltage, DC, Min         12 V DC           Ubmax, Service Voltage, DC, Max         440 V AC           Ubmax, 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	SPECIFICATIONS	
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           Ubmin, Service Voltage, AC, Min         12 V AC           Ubmin, Service Voltage, DC, Min         12 V DC           Ubmax, Service Voltage, DC, Max         440 V AC           Ubmax, 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 mm² In </td <td>Product Series</td> <td>DIN-T</td>	Product Series	DIN-T
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         @400 Hz = 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           Ubmax, Service Voltage, DC, Min         12 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 at Un, In         4000 cycles           Mechanical Service Life at Un, In         4000 cycles           IP Rating, Inside         IP40           IP Rating, Outside         IP20           Flammability Rating (UL94)         UL 94 V-2           Wire / Conductor Size, Rigid Cable, In, Min         2.5 mm² In           Wire / Conductor Size, Rigid Cable, Top, Max         70 mm² Top	Component Type Power Distribution & Protection	MCB
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           Ubmin, Service Voltage, AC, Min         12 V AC           Ubmax, Service Voltage, AC, Max         440 V AC           Ubmax, Service Voltage, DC, Max         12 V DC           Ubmax, 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 at Un, In         4000 cycles           Mechanical Service Life at Un, In         400 cycles           IP Rating, Inside         IP40           IP Rating, Outside         IP20           Flammability Rating (UL94)         UL 94 V-2           Wire / Conductor Size, Rigid Cable, In, Min         2.5 mm² In           Wire / Conductor Size, Rigid Cable, Top, Max         70 mm² Top	Trip Curve	С
Neutral Pole ProtectedYesRated Frequency50 / 60 HzUn, Nominal Operational Voltage, AC415 V ACUn, Nominal Operational Voltage(s), AC415 V ACDetails, Trip Characteristics@400Hz = 1.5 x mag. trip; @DC = 1.4 x mag. tripUbmin, Service Voltage, AC, Min12 V ACUbmin, Service Voltage, AC, Max440 V ACUbmin, Service Voltage, DC, Min12 V DCUbmax, Service Voltage, DC, Max120 V DCIsolator Application, IEC 60947-2YesImpulse Withstand Test Voltage6 kVInsulation Resistance10000 MΩDielectric Strength2.5kV V ACElectrical Service Life at Un, In4000 cyclesMechanical Service Life20000 cyclesUtilisation CategoryAIP Rating, InsideIP40IP Rating, OutsideIP20Flammability Rating (UL94)UL 94 V-2Wire / Conductor Size, Rigid Cable, In, Min2.5 mm² InWire / Conductor Size, Rigid Cable, Top, Max70 mm² Top	In, Rated Current at 40°C	100 A @40°C
Rated Frequency  Un, Nominal Operational Voltage, AC  Un, Nominal Operational Voltage(s), 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  Ubmin, Service Voltage, AC, Min  12 V AC  Ubmax, Service Voltage, AC, Max  440 V AC  Ubmax, Service Voltage, DC, Min  12 V DC  Ubmax, Service Voltage, DC, Max  120 V DC  Isolator Application, IEC 60947-2  Irapulse 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  Flammability Rating (UL94)  Wire / Conductor Size, Rigid Cable, In, Min  Vire / Conductor Size, Rigid Cable, Top, Max  70 mm² Top	Poles	3P
Un, Nominal Operational Voltage, AC Un, Nominal Operational Voltage(s), AC Un, Nominal Operational Voltage(s), AC Un, Nominal Operational Voltage(s), AC Ubmin, Service Voltage, AC, Min 12 V AC Ubmin, Service Voltage, AC, Max 440 V AC Ubmax, Service Voltage, DC, Min 12 V DC Ubmax, Service Voltage, DC, Min 12 V DC Ubmax, Service Voltage, DC, Max 120 V DC Isolator Application, IEC 60947-2 Yes Impulse Withstand Test Voltage 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 Flammability Rating (UL94) Wire / Conductor Size, Rigid Cable, In, Min Vire / Conductor Size, Rigid Cable, Top, Max 70 mm² Top	Neutral Pole Protected	Yes
Un, Nominal Operational Voltage(s), AC415 V ACDetails, Trip Characteristics@400Hz = 1.5 x mag. trip; @DC = 1.4 x mag. tripUbmin, Service Voltage, AC, Min12 V ACUbmax, Service Voltage, AC, Max440 V ACUbmin, Service Voltage, DC, Min12 V DCUbmax, Service Voltage, DC, Max120 V DCIsolator Application, IEC 60947-2YesImpulse Withstand Test Voltage6 kVInsulation Resistance10000 MΩDielectric Strength2.5kV V ACElectrical Service Life at Un, In4000 cyclesMechanical Service Life20000 cyclesUtilisation CategoryAIP Rating, InsideIP40IP Rating, OutsideIP20Flammability Rating (UL94)UL 94 V-2Wire / Conductor Size, Rigid Cable, In, Min2.5 mm² InWire / Conductor Size, Rigid Cable, Top, Max70 mm² Top	Rated Frequency	50 / 60 Hz
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, DC, Max       440 V AC         Ubmin, Service Voltage, DC, Min       12 V DC         Ubmax, 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 mm² In         Wire / Conductor Size, Rigid Cable, Top, Max       70 mm² Top	Un, Nominal Operational Voltage, AC	415 V AC
Ubmin, Service Voltage, AC, Min12 V ACUbmax, Service Voltage, AC, Max440 V ACUbmin, Service Voltage, DC, Min12 V DCUbmax, Service Voltage, DC, Max120 V DCIsolator Application, IEC 60947-2YesImpulse Withstand Test Voltage6 kVInsulation Resistance10000 MΩDielectric Strength2.5kV V ACElectrical Service Life at Un, In4000 cyclesMechanical Service Life20000 cyclesUtilisation CategoryAIP Rating, InsideIP40IP Rating, OutsideIP20Flammability Rating (UL94)UL 94 V-2Wire / Conductor Size, Rigid Cable, In, Min2.5 mm² InWire / Conductor Size, Rigid Cable, Top, Max70 mm² Top	Un, Nominal Operational Voltage(s), AC	415 V AC
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Isolator Application, IEC 60947-2 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 Wire / Conductor Size, Rigid Cable, Top, Max Ves  Yes  10000 IP000 IP00	Ubmin, Service Voltage, DC, Min	12 V DC
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 mm² In Wire / Conductor Size, Rigid Cable, Top, Max 70 mm² Top	Ubmax, Service Voltage, DC, Max	120 V DC
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 mm² In  Wire / Conductor Size, Rigid Cable, Top, Max 70 mm² Top	Isolator Application, IEC 60947-2	Yes
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 mm² In  Wire / Conductor Size, Rigid Cable, Top, Max 70 mm² Top	Impulse Withstand Test Voltage	6 kV
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 mm² In  Wire / Conductor Size, Rigid Cable, Top, Max 70 mm² Top	Insulation Resistance	10000 ΜΩ
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 mm² In  Wire / Conductor Size, Rigid Cable, Top, Max 70 mm² Top	Dielectric Strength	2.5kV V AC
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 Wire / Conductor Size, Rigid Cable, Top, Max  A A IP40 IP40 IP20 IP20 IP20 IP20 IP20 IP30 IP30 IP30 IP30 IP30 IP30 IP30 IP3	Electrical Service Life at Un, In	4000 cycles
IP Rating, Inside IP Rating, Outside IP Rating, Outside IP20 Flammability Rating (UL94) UL 94 V-2 Wire / Conductor Size, Rigid Cable, In, Min Wire / Conductor Size, Rigid Cable, Top, Max IP40 IP40 IP40 IP40 IP40 IP20 IP20 IP30 IP40 IP40 IP40 IP40 IP40 IP40 IP40 IP4	Mechanical Service Life	20000 cycles
IP Rating, Outside IP20 Flammability Rating (UL94) UL 94 V-2 Wire / Conductor Size, Rigid Cable, In, Min 2.5 mm² In Wire / Conductor Size, Rigid Cable, Top, Max 70 mm² Top	Utilisation Category	A
Flammability Rating (UL94)  Wire / Conductor Size, Rigid Cable, In, Min  Wire / Conductor Size, Rigid Cable, Top, Max  70 mm² Top	IP Rating, Inside	IP40
Wire / Conductor Size, Rigid Cable, In, Min  2.5 mm² In  Wire / Conductor Size, Rigid Cable, Top, Max  70 mm² Top	IP Rating, Outside	IP20
Wire / Conductor Size, Rigid Cable, Top, Max 70 mm² Top	Flammability Rating (UL94)	UL 94 V-2
	Wire / Conductor Size, Rigid Cable, In, Min	2.5 mm² In
NE /O   1   0'   D' 110   11   O   NE	Wire / Conductor Size, Rigid Cable, Top, Max	70 mm² Top
Wire / Conductor Size, Rigid Cable, Out, Min 2.5 mm² Out	Wire / Conductor Size, Rigid Cable, Out, Min	2.5 mm <sup>2</sup> Out
Wire / Conductor Size, Rigid Cable, Bottom, Max 70 mm² Bottom	Wire / Conductor Size, Rigid Cable, Bottom, Max	70 mm <sup>2</sup> Bottom



# Catalogue No: **DINT10H3100C** MCB DIN-T10H 10kA 3P 100A C CURVE





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
lcs, Rated Service Short-Circuit Breaking Capacity, AC (IEC 60947)	100 % lcu
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 % lcu
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/s²
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

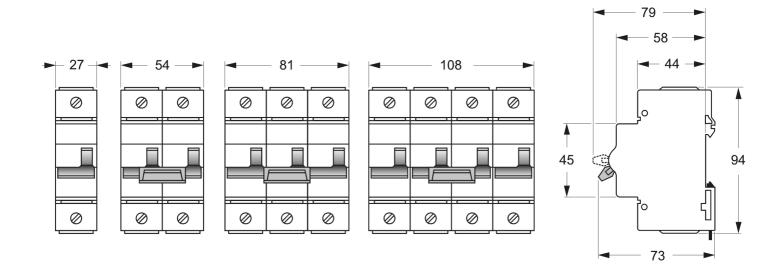
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### MCB DIN-T10H 10kA 3P 100A C CURVE





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



**Dimension Diagram** 

