

# DTCB10H180C

NHP DIN-T Miniature Circuit Breaker 10H 1Pole 80A C Curve



<b>Component type</b>	Miniature circuit breaker (MCB)
<b>Range</b>	DIN-T MCB
<b>Model</b>	N/A
<b>Product status</b>	Discontinued

NHP DIN-T miniature circuit breakers are high-performance electrical protection devices offering a comprehensive range of features to meet the needs of any project. These MCBs are available in a variety of short circuit ratings ranging from 6kA, 10kA and 15kA, with current ratings from 0.5A through to 125A in variety of B, C or D trip curves. These MCBs are available in 1P, 2P, 3P and 4P housings.

## ELECTRICAL

Rated current	80.0 A
Number of poles (total)	1.0
Trip curve	C
Rated voltage	240.0 V
Frequency	50 - 60 Hz
Voltage type	AC/DC
Rated short-circuit breaking capacity $I_{cn}$ according to AS/NZS 60898 at 230 VAC	15.0 kA
Rated short-circuit breaking capacity $I_{cn}$ according to AS/NZS 60898 at 400 VAC	15.0 kA
Rated short-circuit breaking capacity $I_{cu}$ according to AS/NZS 60947-2 at 230 VAC	16.0 kA
Rated short-circuit breaking capacity $I_{cu}$ according to AS/NZS 60947-2 at 400 VAC	16.0 kA
Max. rated operation voltage $U_e$	250.0 V
Rated insulation voltage $U_i$	440.0 V
Rated impulse withstand voltage $U_{imp}$	8.0 kV

## CONSTRUCTION

Number of protected poles	1.0
Degree of protection (IP)	IP40

## MECHANICAL

Connectable conductor cross section solid-core	1 - 70 mm <sup>2</sup>
Connectable conductor cross section multi-wired	1 - 50 mm <sup>2</sup>

## DIMENSIONS

Height	100.0 mm
Width	27.0 mm
Width in number of modular spacings	1.0
Depth	90.0 mm
Weight	0.25 kg

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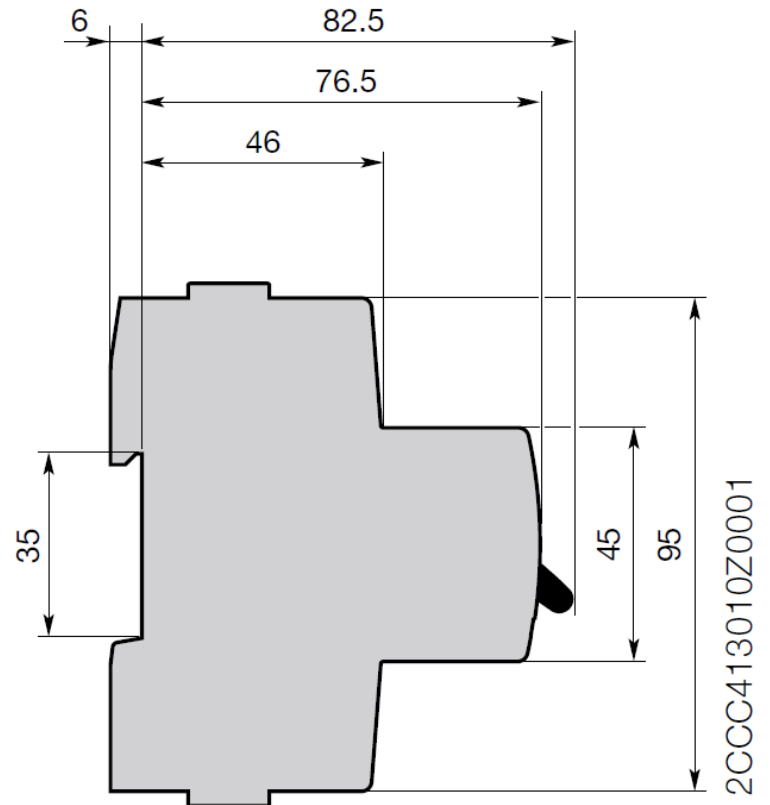
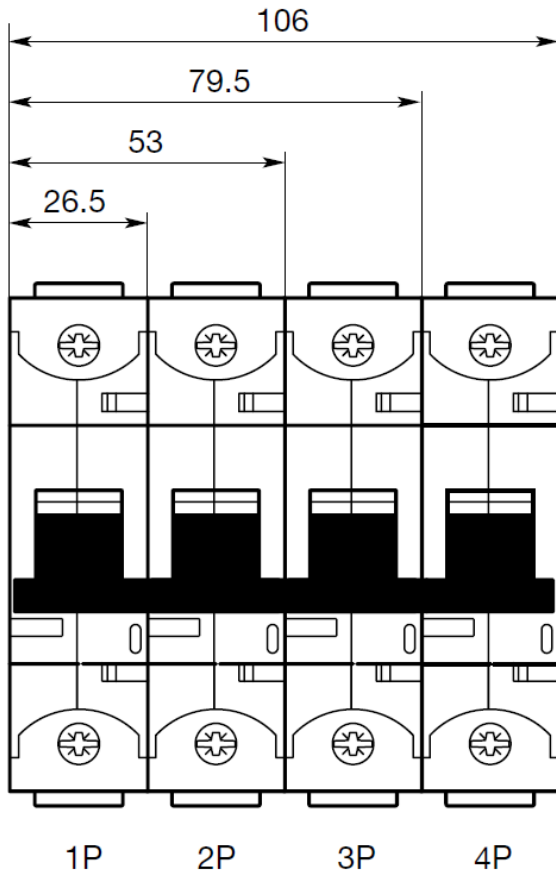


**DIN-T**  
MINIATURE CIRCUIT BREAKERS

## ENVIRONMENT

Pollution degree	3.0
Rated surrounding temperature without derating	30.0 °C
Ambient temperature during operating	-25 - 60 °C

## DIMENSIONAL DIAGRAM



## RELATED PRODUCTS

### ACCESSORY



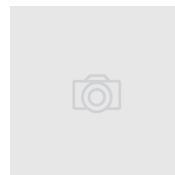
**Item No:** DCLD6  
**Required:** No  
**Description:** NHP DIN-T Accessory Locking Device Captive 6.5mm



**Item No:** DTCB10HSRD  
**Required:** No  
**Description:** NHP DIN-T Accessory Terminal Shroud IP20 suits DTCB10H



**Item No:** DSRCBHTC  
**Required:** No  
**Description:** NHP DIN-T Accessory Terminal Cover suits DSRCBH Residual Current Breaker with Overcurrent Longbody



**Item No:** DTCBSEALPLATE  
**Required:** No  
**Description:** NHP DIN-T Accessory DTCB Sealing Plate for 4Pole

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MINIATURE CIRCUIT BREAKERS

## RELATED PRODUCTS

### ACCESSORY



**Item No:** DTCF35

**Required:** No

**Description:** NHP DIN-T Accessory Terminal Main 35mm



**Item No:** DTLCM

**Required:** No

**Description:** NHP DIN-T LOCKDIN DSRCM Add On RCCB and 3Pole MCB Locking Blank



**Item No:** DTL D

**Required:** No

**Description:** NHP DIN-T LOCKDIN Locking Device Removable Individual Piece 8mm



**Item No:** DTLDM

**Required:** No

**Description:** NHP DIN-T LOCKDIN Dummy MCB Filler For Touch Protection



**Item No:** DTLLA

**Required:** No

**Description:** NHP DIN-T LOCKDIN MCBS and DSRCBH Left Hand 6.5mm



**Item No:** DTLLAB

**Required:** No

**Description:** NHP DIN-T LOCKDIN Lock 2Pole DSRCBxxxxA Left Hand 6.5mm



**Item No:** DTLLABRH

**Required:** No

**Description:** NHP DIN-T LOCKDIN Lock 2Pole DSRCBxxxxA Right Hand 6.5mm



**Item No:** DTLLABULK

**Required:** No

**Description:** NHP DIN-T LOCKDIN MCBS and DSRCBH Left Hand 6.5mm 12 Pack



**Item No:** DTLLADTCB10H

**Required:** No

**Description:** NHP DIN-T LOCKDIN DTCB10H MCB 27mm Suit 1Pole 4Pole 6.5mm



**Item No:** DTLLARH

**Required:** No

**Description:** NHP DIN-T LOCKDIN MCBS and DSRCBH Right Hand 6.5mm



**Item No:** DTLLARHBULK

**Required:** No

**Description:** NHP DIN-T LOCKDIN MCBS and DSRCBH Right Hand 6.5mm 12 Pack



**Item No:** DTLLB

**Required:** No

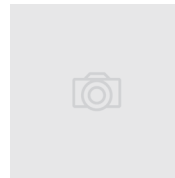
**Description:** NHP DIN-T LOCKDIN Lock Blank For MCB and DSRCBH 12 Pack



**Item No:** DTPF12

**Required:** No

**Description:** NHP DIN-T Accessory Pole Filler 12Pole Strip 216mm equals 24 x 9mm Segments



**Item No:** DTSP

**Required:** No

**Description:** NHP Spacer 1/2 Module 9mm wide



**Item No:** DTT9025PN

**Required:** No

**Description:** NHP MOD6 Miniature Circuit Breaker Terminal Insulated 90 Degrees 25mm Pin



**Item No:** DTTAX16PN3

**Required:** No

**Description:** NHP MOD6 Miniature Circuit Breaker Terminal 3 Neutral Link suit RCCB



**Item No:** DTTAX25PN

**Required:** No

**Description:** NHP DIN-T Accessory Terminal Axial Pin 25mm



**Item No:** DTTAX25SP

**Required:** No

**Description:** NHP DIN-T Accessory Terminal Axial Spade 25mm

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## RELATED PRODUCTS

### ACCESSORY



**Item No:** DTTAX50PN

**Required:** No

**Description:** NHP DIN-T Accessory Terminal Axial Pin 50mm



**Item No:** DTTC35

**Required:** No

**Description:** NHP DIN-T Accessory Terminal Cover 35mm Tall suits DINT6 and 10 and 15



**Item No:** DTTC5

**Required:** No

**Description:** NHP DIN-T Accessory Terminal Cover 5mm Tall suits DINT6 and 10 and 15



**Item No:** DTTLT35LPN

**Required:** No

**Description:** NHP DIN-T Accessory Terminal Lateral Pin 35mm Long



**Item No:** DTTLT35PN

**Required:** No

**Description:** NHP DIN-T Accessory Terminal Lateral Pin 35mm Short



**Item No:** IBC108P

**Required:** No

**Description:** NHP DIN-T Miniature Circuit Breaker Bus Comb 8 Way Pin Type 90 Degree 80A End Feed 130A Centre Feed



**Item No:** IBC112P

**Required:** No

**Description:** NHP DIN-T Miniature Circuit Breaker Bus Comb 12 Way Pin Type 90 Degree 80A End Feed 130A Centre Feed



**Item No:** IBC115P

**Required:** No

**Description:** NHP DIN-T Miniature Circuit Breaker Bus Comb 15 Way Pin Type 90 Degree 80A End Feed 130A Centre Feed



**Item No:** IBC118P

**Required:** No

**Description:** NHP DIN-T Miniature Circuit Breaker Bus Comb 18 Way Pin Type 90 Degree 80A End Feed 130A Centre Feed



**Item No:** IBC121P

**Required:** No

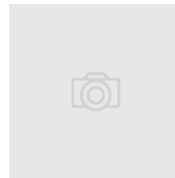
**Description:** NHP DIN-T Miniature Circuit Breaker Bus Comb 21 Way Pin Type 90 Degree 80A End Feed 130A Centre Feed



**Item No:** IBC155P

**Required:** No

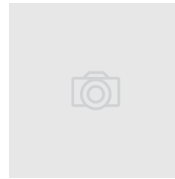
**Description:** NHP DIN-T Miniature Circuit Breaker Bus Comb 55 Way Pin Type 90 Degree 80A End Feed 130A Centre Feed



**Item No:** IBD4552P

**Required:** No

**Description:** NHP MOD6 Miniature Circuit Breaker Busbar Comb 55 Way 3PN Pin 80A End Feed 100A Centre Feed RNWNBN



**Item No:** ICL102

**Required:** No

**Description:** NHP DIN-T Miniature Circuit Breaker Bus Comb 10 Way 1Pole N Pin Type 80A End Feed 130A Centre Feed



**Item No:** ICL123

**Required:** No

**Description:** NHP DIN-T Miniature Circuit Breaker Busbar Comb 12 Way 3Pole Pin Type 80A End Feed 130A Centre Feed



**Item No:** ICL153

**Required:** No

**Description:** NHP DIN-T Miniature Circuit Breaker Busbar Comb 15 Way 3Pole Pin Type 80A End Feed 130A Centre Feed



**Item No:** ICL183

**Required:** No

**Description:** NHP DIN-T Miniature Circuit Breaker Busbar Comb 18 Way 3Pole Pin Type 80A End Feed 130A Centre Feed



**Item No:** ICL213

**Required:** No

**Description:** NHP DIN-T Miniature Circuit Breaker Busbar Comb 21 Way 3Pole Pin Type 80A End Feed 130A Centre Feed

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**DIN-T**  
MINIATURE CIRCUIT BREAKERS

## RELATED PRODUCTS

### ACCESSORY



**Item No:** ICL562

**Required:** No

**Description:** NHP DIN-T Miniature Circuit Breaker Bus Comb 56 Way 1Pole N Pin Type 80A End Feed 130A Centre Feed

**Item No:** ICL563A

**Required:** No

**Description:** NHP DIN-T Miniature Circuit Breaker Bus Comb 56 Way 3Pole Aux Pin Type 80A End Feed 130A Centre Feed

**Item No:** ICL564

**Required:** No

**Description:** NHP DIN-T Miniature Circuit Breaker Busbar Comb 56 Way 4Pole Pin Type 80A End Feed 130A Centre Feed

**Item No:** ICL573

**Required:** No

**Description:** NHP DIN-T Miniature Circuit Breaker Busbar Comb 57 Way 3Pole Pin Type 80A End Feed 130A Centre Feed



**Item No:** ICL62

**Required:** No

**Description:** NHP DIN-T Miniature Circuit Breaker Bus Comb 06 Way 1Pole N Pin Type 80A End Feed 130A Centre Feed

**Item No:** ICLEC23

**Required:** No

**Description:** NHP DIN-T Miniature Circuit Breaker Busbar Comb Endcap for 2 and 3Pole ICL and 3 Auxiliary

**Item No:** ICLEC4

**Required:** No

**Description:** NHP DIN-T Miniature Circuit Breaker Busbar Comb Endcap 4 Phase ICL



**Item No:** ICLTOC

**Required:** No

**Description:** NHP DIN-T Miniature Circuit Breaker Busbar Comb Tee Off Cap Strip of 5

