

# DTCB6116D

NHP DIN-T Miniature Circuit Breaker 6kA 1Pole 16A D Curve



<b>Component type</b>	Miniature circuit breaker (MCB)
<b>Range</b>	DIN-T MCB
<b>Model</b>	N/A
<b>Alternative</b>	DTM6116D

NHP DIN-T Miniature Circuit Breakers (MCBs) are high-performance electrical protection devices offering a comprehensive range of features to meet the needs of any project. These MCBs are available in short circuit ratings of 6kA and 10kA 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	16 A
Number of poles (total)	1
Trip curve	D
Rated voltage	240 V
Frequency	50-60 Hz
Voltage type	AC/DC
Service voltage $U_b$ , AC	12 V
Service voltage $U_b$ , DC	12 V
Nominal operating voltage $U_n$ , DC	48 V
Rated short-circuit breaking capacity $I_{cn}$ according to AS/NZS 60898 at 230 VAC	6 kA
Rated short-circuit breaking capacity $I_{cn}$ according to AS/NZS 60898 at 400 VAC	6 kA
Rated short-circuit breaking capacity $I_{cu}$ according to AS/NZS 60947-2 at 230 VAC	10 kA
Rated short-circuit breaking capacity $I_{cu}$ according to AS/NZS 60947-2 at 400 VAC	3 kA
Max. rated operation voltage $U_e$	250 V
Rated insulation voltage $U_i$	440 V
Rated impulse withstand voltage $U_{imp}$	6 kV

## CONSTRUCTION

Number of protected poles	1
IP rating	IP40

## MECHANICAL

Connectable conductor cross section solid-core	1-35 mm <sup>2</sup>
Connectable conductor cross section multi-wired	1-25 mm <sup>2</sup>

## DIMENSIONS

Height	86 mm
Width	18 mm
Depth	76 mm

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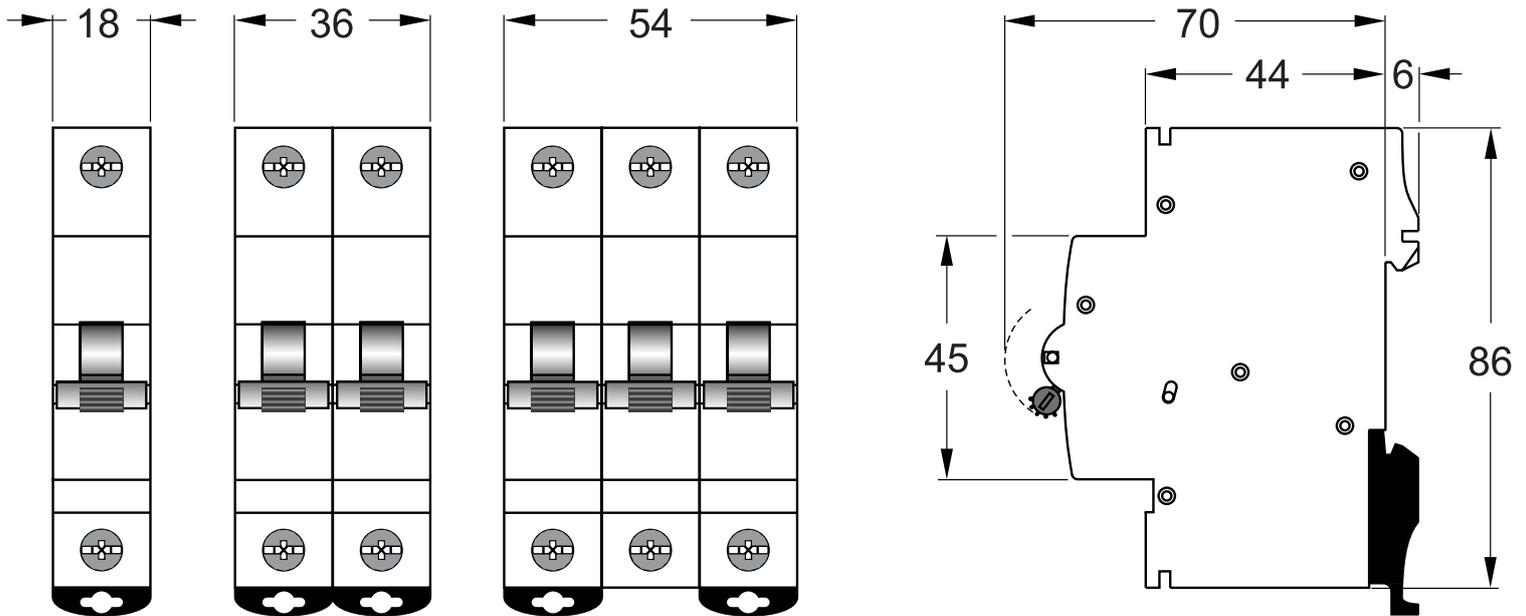
## DIMENSIONS

Width in number of modular spacings	1
Weight	0.12 kg

## ENVIRONMENT

Pollution degree	3
Rated surrounding temperature without derating	30 °C
Rated temperature	-25...70 °C

## DIMENSIONAL DIAGRAM



## RELATED PRODUCTS

### ACCESSORY



**Item No:** DCLD6

**Required:** No

**Description:** NHP DIN-T Accessory Locking Device Captive 6.5mm



**Item No:** DSRCBHTC

**Required:** No

**Description:** NHP DIN-T Accessory Terminal Cover suits DSRCBH Residual Current Breaker with Overcurrent Longbody



**Item No:** DTCB10HSRD

**Required:** No

**Description:** NHP DIN-T Accessory Terminal Shroud IP20 suits DTCB10H



**Item No:** DTCBSEALPLATE

**Required:** No

**Description:** NHP DIN-T Accessory DTCB Sealing Plate for 4Pole



**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

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## RELATED PRODUCTS

### ACCESSORY



**Item No:** DTLD  
**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 DIN-T Miniature Circuit Breaker Terminal Insulated 90 Degrees 25mm Pin



**Item No:** DTTAX16PN3  
**Required:** No  
**Description:** NHP DIN-T 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



**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

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## RELATED PRODUCTS

### ACCESSORY



**Item No:** DTTC5  
**Required:** No  
**Description:** NHP DIN-T Accessory Terminal Cover 5mm Tall suits DINT6 and 10 and 15



**Item No:** DTTTLT35LPN  
**Required:** No  
**Description:** NHP DIN-T Accessory Terminal Lateral Pin 35mm Long



**Item No:** DTTTLT35PN  
**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



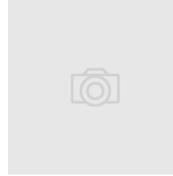
**Item No:** IBC118P  
**Required:** No  
**Description:** NHP DIN-T Miniature Circuit Breaker Bus Comb 18 Way Pin Type 90 Degree 80A End Feed 130A Centre Feed



**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



**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

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## RELATED PRODUCTS

### ACCESSORY



**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

