

# DTM6102C

NHP DIN-T Miniature Circuit Breaker MCB 6kA 1 Pole 2A 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>	New Item

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	2 A
Number of poles (total)	1
Trip curve	C
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	65 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	10 kA
Max. rated operation voltage $U_e$	253 V
Rated insulation voltage $U_i$	440 V
Rated impulse withstand voltage $U_{imp}$	4 kV

## CONSTRUCTION

Number of protected poles	1
IP rating	IP40

## MECHANICAL

Connectable conductor cross section solid-core	0.75-35 mm <sup>2</sup>
Connectable conductor cross section multi-wired	0.75-35 mm <sup>2</sup>

## DIMENSIONS

Height	85 mm
Width	17.5 mm
Depth	75 mm

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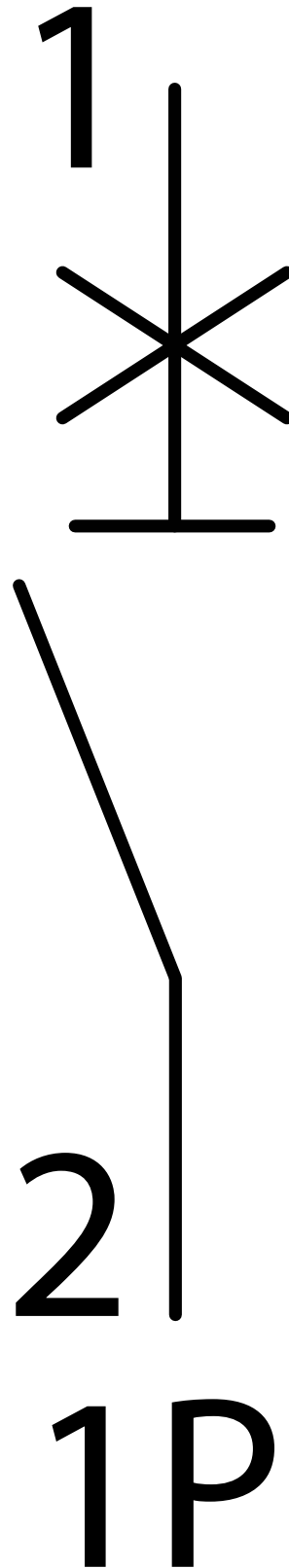
<b>DIMENSIONS</b>	Width in number of modular spacings	1
	Weight	0.12 kg
<b>ENVIRONMENT</b>	Pollution degree	3
	Rated surrounding temperature without derating	30 °C
	Rated temperature	-25...70 °C

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## CIRCUIT DIAGRAM

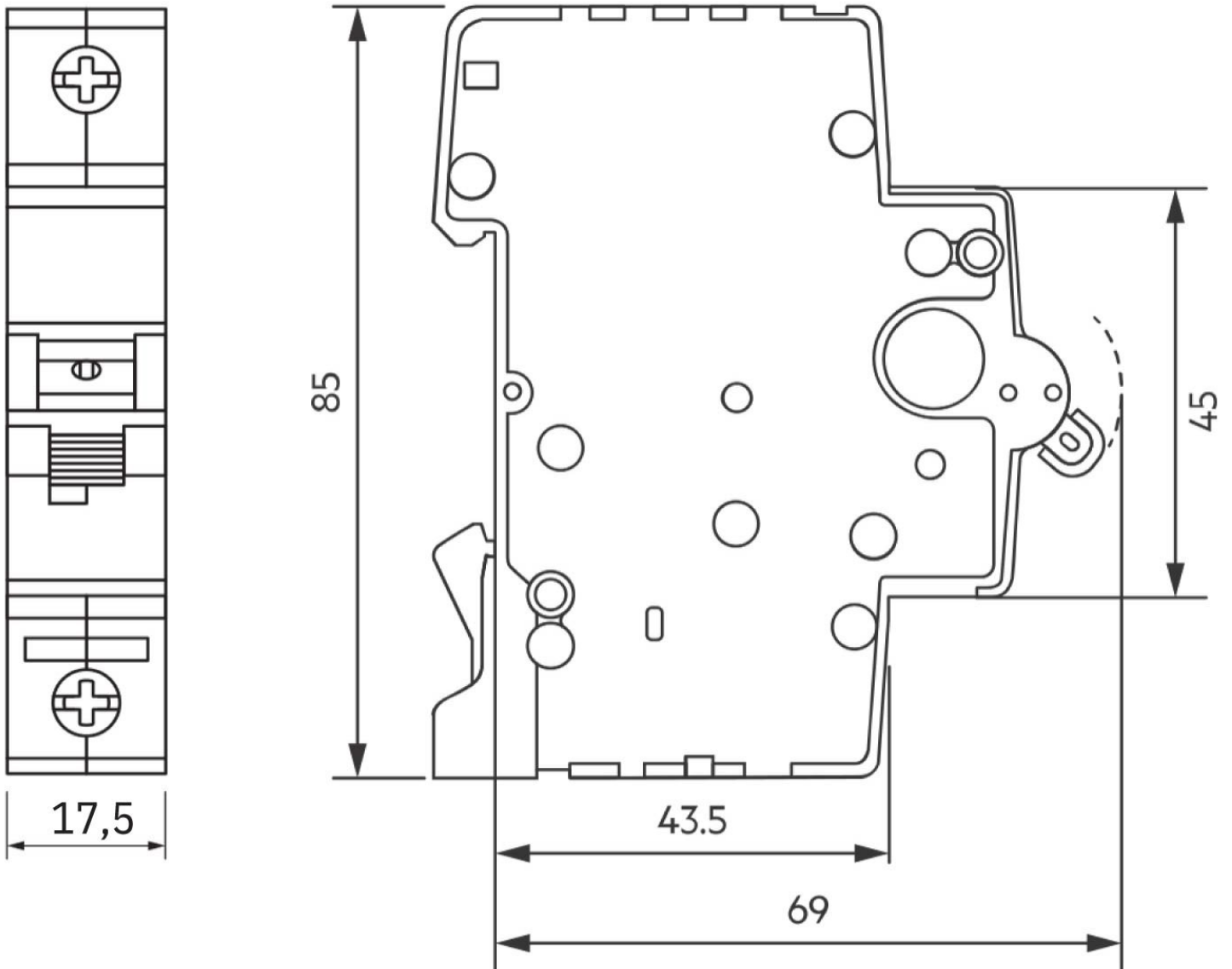


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## DIMENSIONAL DIAGRAM



## RELATED PRODUCTS

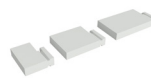
### ACCESSORY



**Item No:** DTAAXAL

**Required:** No

**Description:** NHP DIN-T Accessory Auxiliary/ Alarm 1 Changeover Contact suits DIN-T DTM and DTR



**Item No:** DTALBAX

**Required:** No

**Description:** NHP DIN-T LOCKDIN Auxiliary Filler 9mm, 18mm, 27mm Pack Qty 10 each

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## RELATED PRODUCTS

### ACCESSORY



**Item No:** DTALBPK  
**Required:** No  
**Description:** NHP DIN-T LOCKDIN Blank Module DTM6, 10, DC, 6RL & RL Pack Qty 10



**Item No:** DTALDC  
**Required:** No  
**Description:** NHP DIN-T Lock Toggle Device 1P/2P MCB



**Item No:** DTALDT  
**Required:** No  
**Description:** NHP DIN-T LOCKDIN MCB/RCBO LH DTM6, 10, DC, 6RL & RL



**Item No:** DTALDTPK  
**Required:** No  
**Description:** NHP DIN-T LOCKDIN MCB/RCBO LH DTM6, 10, DC, 6RL & RL Pack Qty 10



**Item No:** DTALDTRH  
**Required:** No  
**Description:** NHP DIN-T LOCKDIN MCB/RCBO RH DTM6, 10, DC, 6RL & RL



**Item No:** DTALDTRHPK  
**Required:** No  
**Description:** NHP DIN-T LOCKDIN MCB/RCBO RH DTM6, 10, DC, 6RL & RL Pack Qty 10



**Item No:** DTALPF  
**Required:** No  
**Description:** NHP DIN-T Accessory Pole Filler to suit 63mm 3P Strip 54mm 6x9mm Segments



**Item No:** DTASHT110415V  
**Required:** No  
**Description:** NHP DIN-T Accessory Shunt Trip 110-415 V AC/DC suits DIN-T DTM and DTR



**Item No:** DTASHT12110V  
**Required:** No  
**Description:** NHP DIN-T Accessory Shunt Trip 12-110 V AC/DC suits DIN-T DTM and DTR



**Item No:** DTAUVT240V  
**Required:** No  
**Description:** NHP DIN-T Accessory Undervoltage Trip 240 V AC/DC suits DIN-T DTM and DTR



**Item No:** DTAUVT24V  
**Required:** No  
**Description:** NHP DIN-T Accessory Undervoltage Trip 24 V AC/DC suits DIN-T DTM and DTR



**Item No:** DTLD  
**Required:** No  
**Description:** NHP DIN-T LOCKDIN Locking Device Removable Individual Piece 8mm



**Item No:** DTPF12  
**Required:** No  
**Description:** NHP DIN-T Accessory Pole Filler 12Pole Strip 216mm equals 24 x 9mm Segments



**Item No:** DTT9025PN  
**Required:** No  
**Description:** NHP DIN-T Miniature Circuit Breaker Terminal Insulated 90 Degrees 25mm Pin



**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:** DTTTLT25PN2  
**Required:** No  
**Description:** NHP DIN-T Miniature Circuit Breaker Terminal Axial Pin 25mm Long Insulated

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## RELATED PRODUCTS

### ACCESSORY



**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:** IBCEC1

**Required:** No

**Description:** NHP DIN-T Miniature Circuit Breaker Busbar Comb Endcap for 1Pole IBC



**Item No:** ICL121F

**Required:** No

**Description:** NHP MOD6+ Miniature Circuit Breaker Busbar Comb 12 Way 1P Fork 90 Deg 90A End Feed 150A 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:** ICL181F

**Required:** No

**Description:** NHP MOD6+ Miniature Circuit Breaker Busbar Comb 18 Way 1P Fork 90 Deg 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:** ICL561F

**Required:** No

**Description:** NHP DIN-T Miniature Circuit Breaker Bus Comb 57 Way 1Pole Fork Type 110A 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

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## RELATED PRODUCTS

### ACCESSORY



**Item No:** ICL573F

**Required:** No

**Description:** NHP DIN-T Miniature Circuit Breaker Bus Comb 57 Way 3Pole Fork Type 120A 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:** ICLTOC

**Required:** No

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

