

DTMH180C

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



Component type	Miniature circuit breaker (MCB)
Range	DIN-T MCB
Model	N/A
Product status	Existing

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	80 A
Number of poles (total)	1
Trip curve	C
Rated voltage	240 V
Frequency	50-60 Hz
Voltage type	AC/DC
Rated ultimate short-circuit breaking capacity, Icu 125V DC	30 kA
Service voltage Ub, AC	12 V
Service voltage Ub, DC	12 V
Nominal operating voltage Un, DC	125 V
Rated short-circuit breaking capacity Icu according to AS/NZS 60947-2 at 230 VAC	50 kA
Rated short-circuit breaking capacity Icu according to AS/NZS 60947-2 at 400 VAC	6 kA
Max. rated operation voltage Ue	400 V
Rated insulation voltage Ui	440 V
Rated impulse withstand voltage Uimp	8 kV

CONSTRUCTION

Number of protected poles	1
IP rating	IP40

MECHANICAL

Connectable conductor cross section solid-core	1-70 mm ²
Connectable conductor cross section multi-wired	1-50 mm ²

DIMENSIONS

Height	100 mm
Width	27 mm
Depth	90 mm
Width in number of modular spacings	1

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DIMENSIONS	Weight	0.74 kg
	Pollution degree	3
ENVIRONMENT	Rated surrounding temperature without derating	30 °C
	Rated temperature	-25...60 °C

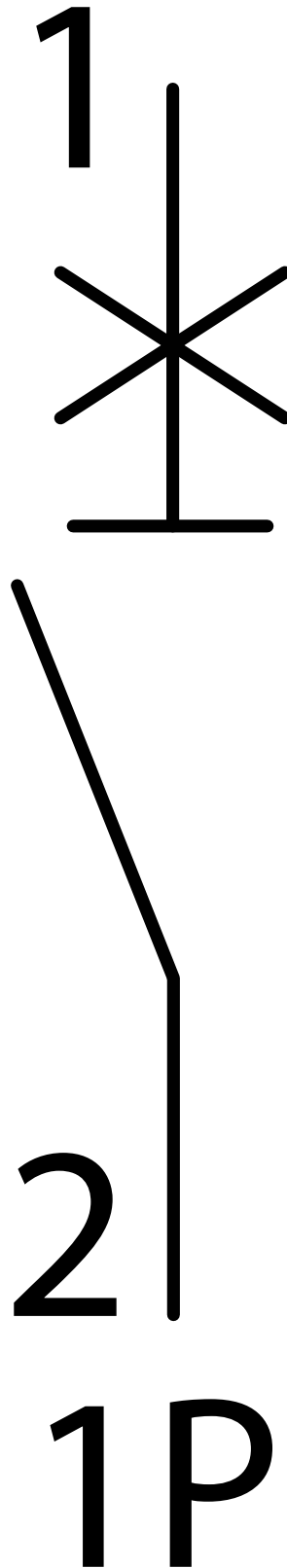
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DIN-T™
MINIATURE CIRCUIT BREAKERS

CIRCUIT DIAGRAM



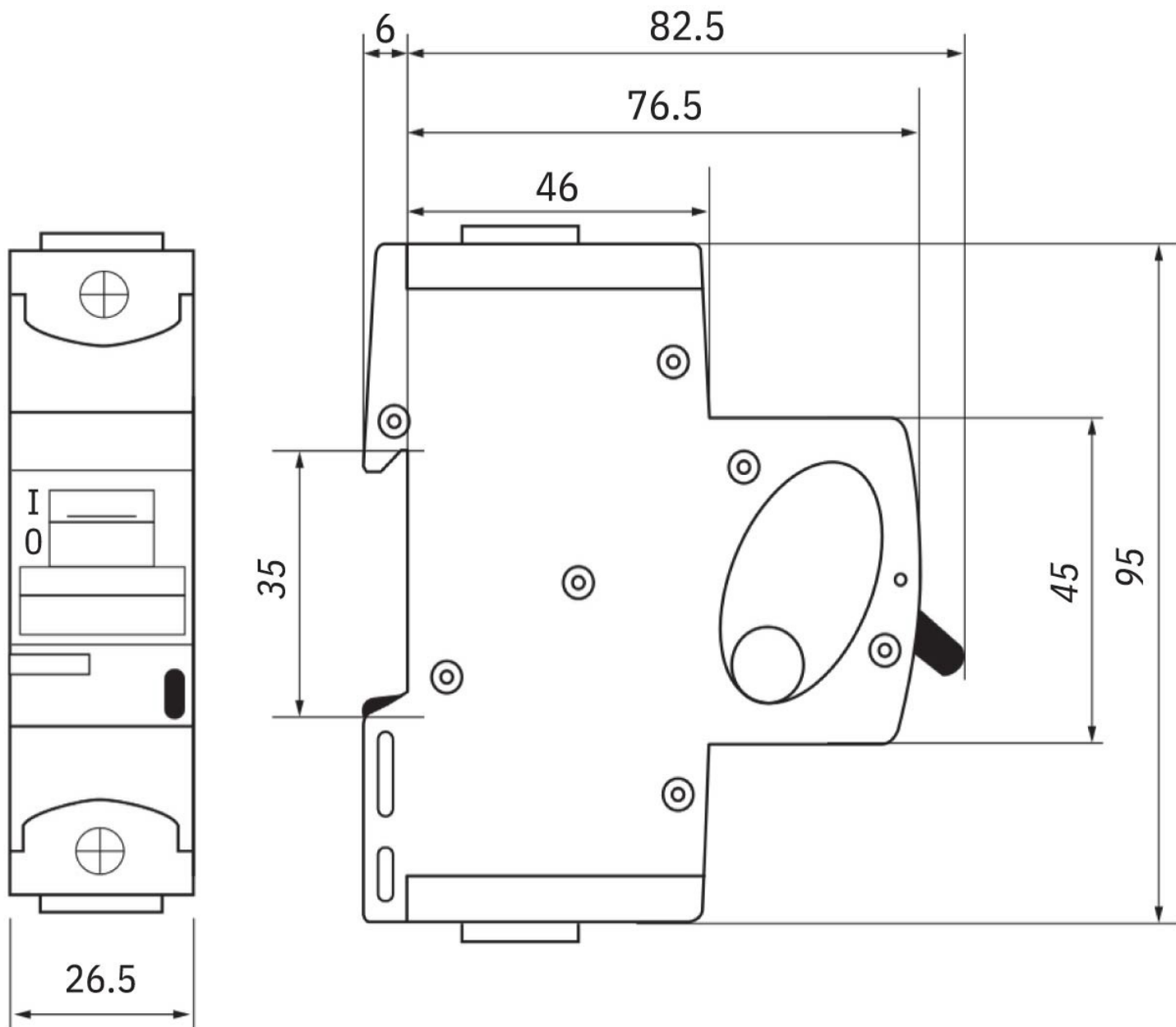
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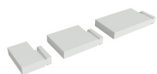
DIN-T™
MINIATURE CIRCUIT BREAKERS

DIMENSIONAL DIAGRAM



RELATED PRODUCTS

ACCESSORY



Item No: DTALBAX

Required: No

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



Item No: DTALMH

Required: No

Description: NHP DIN-T LOCKDIN MCB Kit for DTMH 1P-4P

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DIN-T™
MINIATURE CIRCUIT BREAKERS

RELATED PRODUCTS

ACCESSORY



Item No: DTALPF

Required: No

Description: NHP DIN-T Accessory Pole Filler to suit 63mm 3P Strip 54mm 6x9mm Segments



Item No: DTATM100

Required: No

Description: NHP DIN-T Accessory 1 Pole Through Terminal 100A (MCB profile)



Item No: DTMHAUXAL

Required: No

Description: NHP DIN-T Accessory Auxiliary with Alarm or Auxiliary Function suits DTMH



Item No: DTMHLD

Required: No

Description: NHP DIN-T Accessory Locking Device Side Mount suits DTMH 6.5mm



Item No: DTMHLDNC

Required: No

Description: NHP DIN-T Accessory Locking Device Non Captive suits DTMH 4mm Yellow Qty 10



Item No: DTMHSHT220415

Required: No

Description: NHP DIN-T Accessory Shunt Trip 220 to 415V AC suits DTMH



Item No: DTMHSHT48130

Required: No

Description: NHP DIN-T Accessory Shunt Trip 48 to 130V AC suits DTMH



Item No: DTMHSRD

Required: No

Description: NHP DIN-T Accessory Terminal Shroud IP20 suits DTMH



Item No: DTPF12

Required: No

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



Item No: DTTAX50PN

Required: No

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