

# M6RCBS1030CAN

NHP MOD6 Residual Current Device - Short body w/  
Overcurrent 6kA 10A 1PN C Curve 30mA Type A Pigtail



**MOD6**  
RESIDUAL CURRENT DEVICES



Component type	Earth leakage circuit breaker
Range	MOD6 RCD
Model	N/A
Product status	Existing

NHP MOD6 Residual Current Devices (RCD) offer peace of mind protection with a genuine 6kA rating and a proven history in domestic and commercial applications. The MOD6 RCD monitors the current flowing through the live and neutral wires of an electrical circuit, and if it detects an imbalance, it will quickly disconnect the power to prevent electrical hazards. The MOD6 RCD range offers many solutions for both 1 phase and 3 phase applications. Retrofit solutions are readily available in compact 1P width RCBO for 1 phase and 3P width RCBO for 3 phase. The MOD6 RCDs can be easily installed into NHP loadcenters, as well as Concept One distribution Panelboards.

## ELECTRICAL

Rated current	10 A
Rated voltage	240 V
Rated leakage current	30 mA
Frequency	50/60 Hz
Rated short-circuit breaking capacity according to AS/NZS 61009	6 kA
Voltage type	AC
Trip curve	C
Rated impulse withstand voltage Uimp	6 kV
Leakage current type	A
Tripping time	40 ms
Min. service voltage	195 V
Max. operating voltage (Umax)	255 V
Rated residual make/break capacity	6000 A
Protected neutral pole	Yes
Number of poles (total)	2
Electrical life at Un, In (service cycles)	10000 cycles
Type of electric connection	Fork and pin
Isolator application	Yes
Rated insulation voltage Ui	440 V
Concurrently switching neutral conductor	Yes

## CONSTRUCTION

Mounting method	DIN rail (top hat rail) 35 mm
Degree of protection (IP)	IP20
Number of protected poles	2

## MECHANICAL

Mechanical life (service cycles)	20000 cycles
Max. shock duration	5 ms
Max. shock acceleration	40 g

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## MECHANICAL

Max. vibration acceleration	1.5 m/s <sup>2</sup>
Max. vibration frequency, operational	80 Hz
Max. vibration duration	30 min

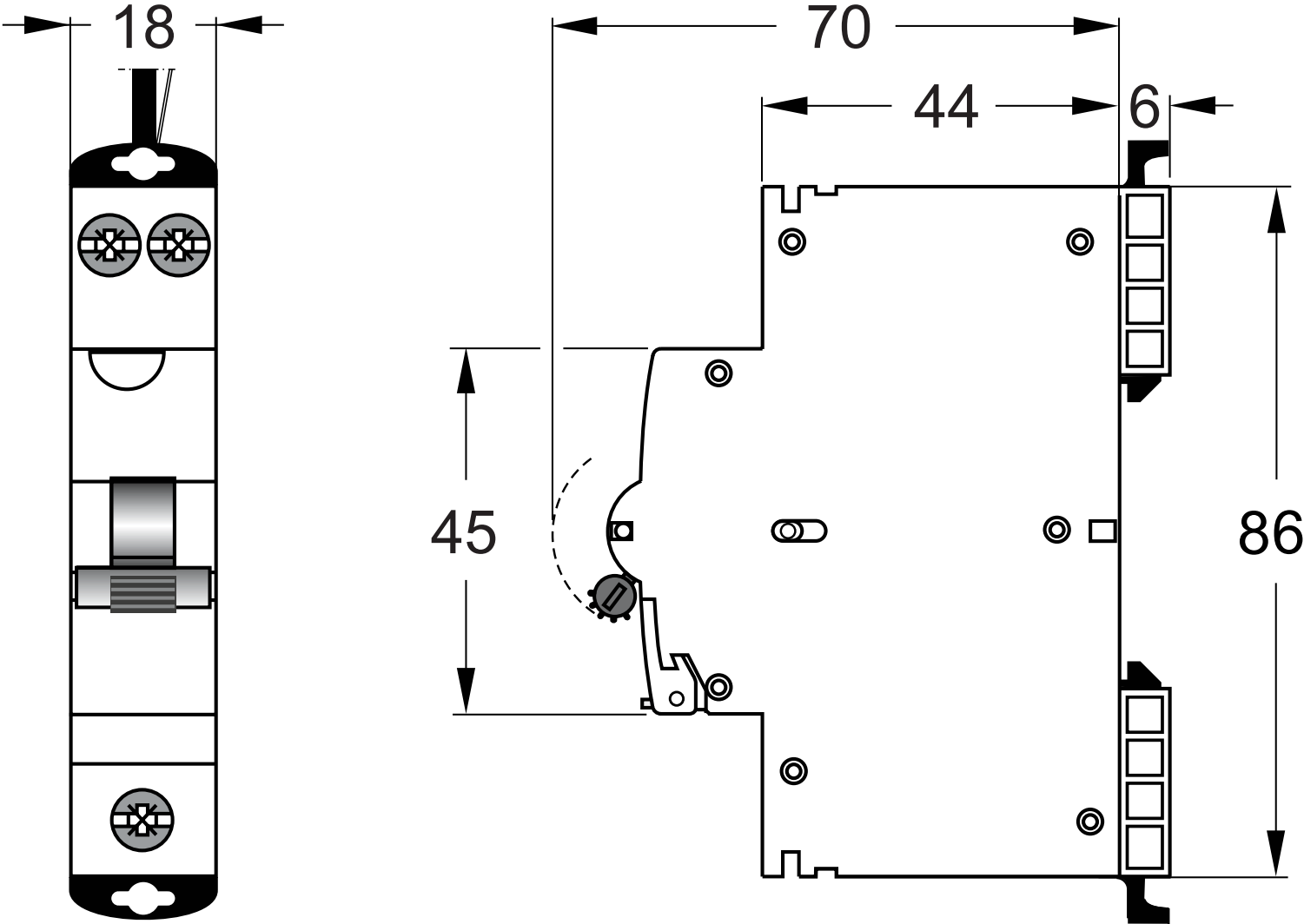
## DIMENSIONS

Depth	76 mm
Height	86 mm
Width	18 mm
Weight	0.22 kg

## ENVIRONMENT

Operating temperature	-5...55 °C
Pollution degree	3

## DIMENSIONAL DIAGRAM



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## RELATED PRODUCTS

### ACCESSORY



**Item No:** DTLT

**Required:** Yes

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



**Item No:** DTPF12

**Required:** Yes

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



**Item No:** DTT9025PN

**Required:** Yes

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



**Item No:** DTTAX16PN3

**Required:** Yes

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



**Item No:** DTTTLT25PN2

**Required:** Yes

**Description:** NHP MOD6 Miniature Circuit Breaker Terminal Axial Pin 25mm Long Insulated



**Item No:** IBC112P

**Required:** Yes

**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:** Yes

**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:** Yes

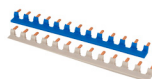
**Description:** NHP DIN-T Miniature Circuit Breaker Bus Comb 18 Way Pin Type 90 Degree 80A End Feed 130A Centre Feed



**Item No:** IBCEC1

**Required:** Yes

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



**Item No:** IBD213P

**Required:** Yes

**Description:** NHP MOD6 Miniature Circuit Breaker Busbar Comb 13 1PN Pin Type 90 Deg 80A End Feed 100A Centre Feed



**Item No:** IBD218P

**Required:** Yes

**Description:** NHP MOD6 Miniature Circuit Breaker Busbar Comb 18 Way 1PN Pin 80A End Feed 100A Centre Feed



**Item No:** IBD255P

**Required:** Yes

**Description:** NHP MOD6 Miniature Circuit Breaker Busbar Comb 55 Way 1PN Pin 80A End Feed 100A Centre Feed



**Item No:** IBDEC2

**Required:** Yes

**Description:** NHP MOD6 Miniature Circuit Breaker Busbar Comb Endcap for 2Pole IBD



**Item No:** IBDEC4

**Required:** Yes

**Description:** NHP MOD6 Miniature Circuit Breaker Busbar Comb Endcap for 4Pole IBD



**Item No:** ICL121F

**Required:** Yes

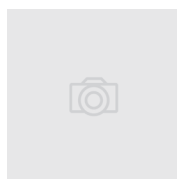
**Description:** NHP MOD6 Miniature Circuit Breaker Busbar Comb 12 Way 1P Fork 90 Deg 90A End Feed 150A Centre Feed



**Item No:** ICL181F

**Required:** Yes

**Description:** NHP MOD6 Miniature Circuit Breaker Busbar Comb 18 Way 1P Fork 90 Deg 80A End Feed 130A Centre Feed



**Item No:** ICL41F

**Required:** Yes

**Description:** NHP MOD6 Miniature Circuit Breaker Busbar Comb 04 Way 1P Fork 80A End Feed and 130A Centre Feed



**Item No:** ICL561F

**Required:** Yes

**Description:** NHP DIN-T Miniature Circuit Breaker Bus Comb 57 Way 1Pole Fork Type 110A End Feed 130A Centre Feed

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## RELATED PRODUCTS

### ACCESSORY

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**Item No:** ICL573F

**Required:** Yes

**Description:** NHP DIN-T Miniature Circuit  
Breaker Bus Comb 57 Way 3Pole Fork Type  
120A End Feed 130A Centre Feed