

# MOD6RCBO12530AL

NHP MOD6 Residual Current Device - Long body w/ Overcurrent  
6kA 25A 1Pole and N C Curve 30mA Type A



**MOD6**  
RESIDUAL CURRENT DEVICES



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

NHP MOD6 residual current devices (RCDs) offer a 6kA rating with a proven history in domestic and commercial applications. The MOD6 RCD range offers many solutions for both 1 phase in 10mA and 30mA sensitivities as well as 3 phase in 30mA sensitivities. The MOD6 RCDs can be easily installed into NHP loadcentres, as well as Concept One distribution panelboards.

## ELECTRICAL

Rated current	25.0 A
Rated voltage	240.0 V
Rated leakage current	30.0 mA
Frequency	50/60 Hz
Rated short-circuit breaking capacity according to AS/NZS 61009	6.0 kA
Voltage type	AC
Trip curve	C
Rated impulse withstand voltage Uimp	6.0 kV
Leakage current type	A
Tripping time	40.0 ms
Service voltage (Min)	195.0 V
Max. operating voltage (Umax)	255.0 V
Rated residual make/break capacity	6000.0 A
Protected neutral pole	No
Number of poles (total)	2.0
Electrical life at Un, In (service cycles)	10000.0 cycles
Type of electric connection	Fork and pin
Isolator application	Yes
Rated insulation voltage Ui	440.0 V
Concurrently switching neutral conductor	No

## CONSTRUCTION

Mounting method	DIN rail (top hat rail) 35 mm
Degree of protection (IP)	IP20
Number of protected poles	1.0

## MECHANICAL

Mechanical life (service cycles)	20000.0 cycles
Shock duration (Max)	5.0 ms
Shock acceleration (Max)	40.0 g

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<b>MECHANICAL</b>	Vibration acceleration (Max)	2.0 m/s <sup>2</sup>
<b>DIMENSIONS</b>	Depth	76.0 mm
	Height	125.0 mm
	Width	18.0 mm
	Weight	0.23 kg
<b>ENVIRONMENT</b>	Operating temperature	-5 - 55 °C
	Pollution degree	3.0

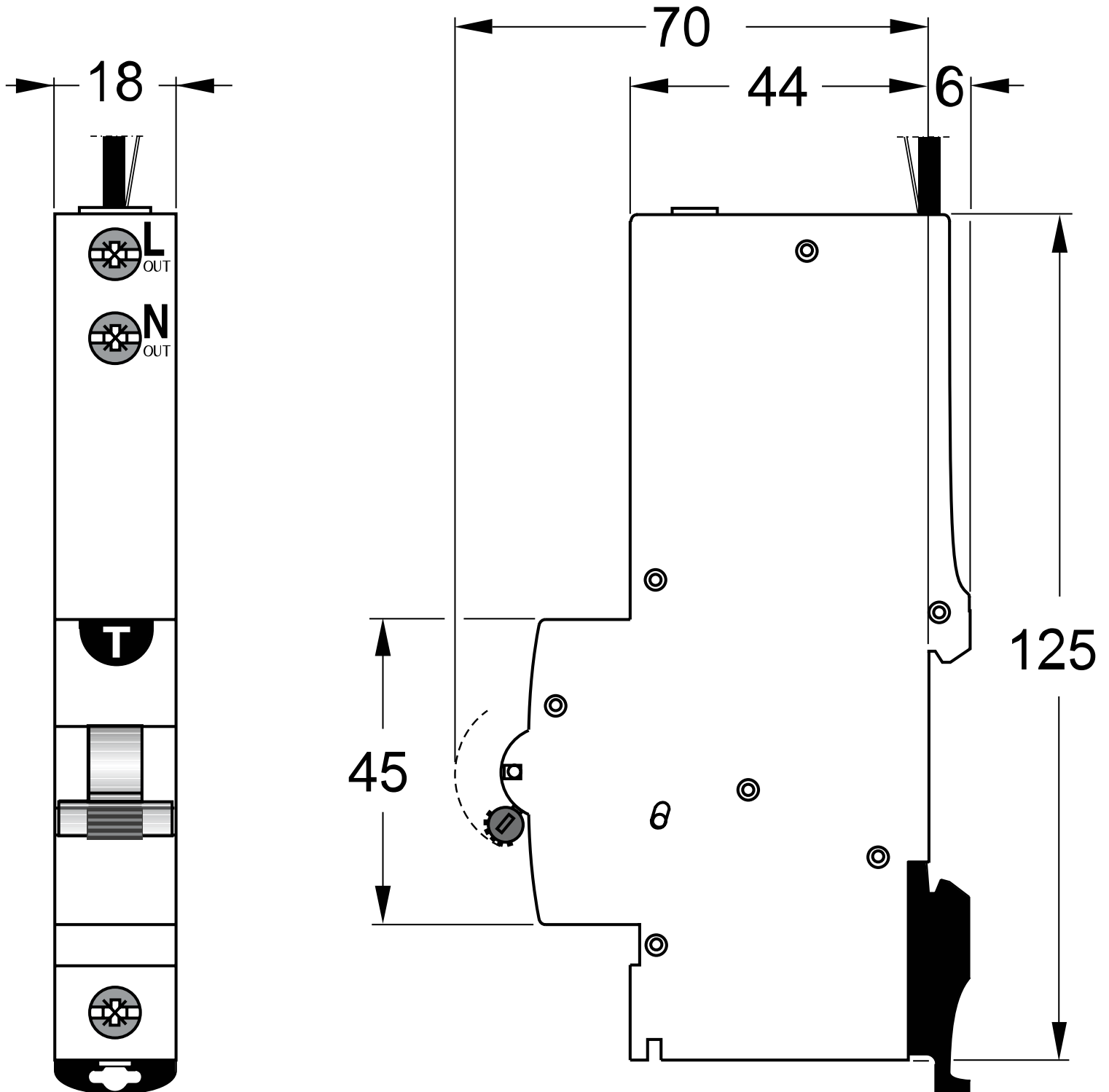
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## DIMENSIONAL DIAGRAM



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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:** 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 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:** DTTLT25PN2

**Required:** No

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



**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

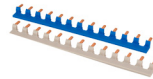
**Description:** NHP DIN-T Miniature Circuit Breaker Bus Comb 18 Way Pin Type 90 Degree 80A End Feed 130A Centre Feed



**Item No:** IBCEC1

**Required:** No

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



**Item No:** IBD213P

**Required:** No

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



**Item No:** IBD218P

**Required:** No

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



**Item No:** IBD255P

**Required:** No

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



**Item No:** IBDEC2

**Required:** No

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



**Item No:** ICL121F

**Required:** No

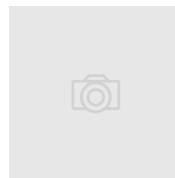
**Description:** NHP MOD6 Miniature Circuit Breaker Busbar Comb 12 Way 1P Fork 90 Deg 90A End Feed 150A Centre Feed



**Item No:** 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:** ICL41F

**Required:** No

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

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## RELATED PRODUCTS

### ACCESSORY

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**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