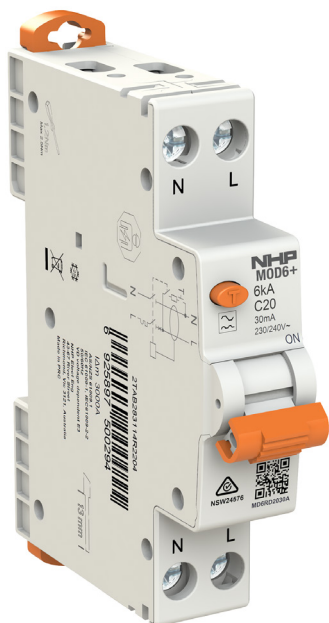


MD6RD0630A

NHP MOD6+ RCBO 6kA 1 Pole and Switched N 6A C Curve
30mA Type A (2 screw)



Component type	Earth leakage circuit breaker
Range	MOD6+ Residual Current Devices
Model	N/A
Product status	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 Loadcenters, as well as MOD6+ RCBOs into MOD6+ Distribution Panelboards.

ELECTRICAL

Rated current	6 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	4 kV
Leakage current type	A
Tripping time	300 ms
Min. service voltage	160 V
Max. operating voltage (Umax)	264 V
Rated residual make/break capacity	3000 A
Protected neutral pole	No
Number of poles (total)	2
Electrical life at Un, In (service cycles)	10000 cycles
Type of electric connection	Pin
Isolator application	Yes
Rated insulation voltage Ui	500 V
Concurrently switching neutral conductor	Yes

CONSTRUCTION

Mounting method	DIN rail
IP rating	IP40
Number of protected poles	1
Mechanical life (service cycles)	20000 cycles
Disconnection characteristic	Undelayed

MECHANICAL

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MOD6+[™]
RESIDUAL CURRENT DEVICES

MECHANICAL

Connectable conductor cross section solid-core	1-25 mm ²
Connectable conductor cross section multi-wired	1-16 mm ²
Max. shock duration	5 ms
Max. shock acceleration	40 g
Max. vibration acceleration	2 m/s ²
Max. vibration frequency, operational	80 Hz
Max. vibration duration	30 min

DIMENSIONS

Depth	76 mm
Height	86 mm
Width	18 mm
Weight	0.12 kg
Width in number of modular spacings	1

ENVIRONMENT

Operating temperature	-25...55 °C
Pollution degree	2

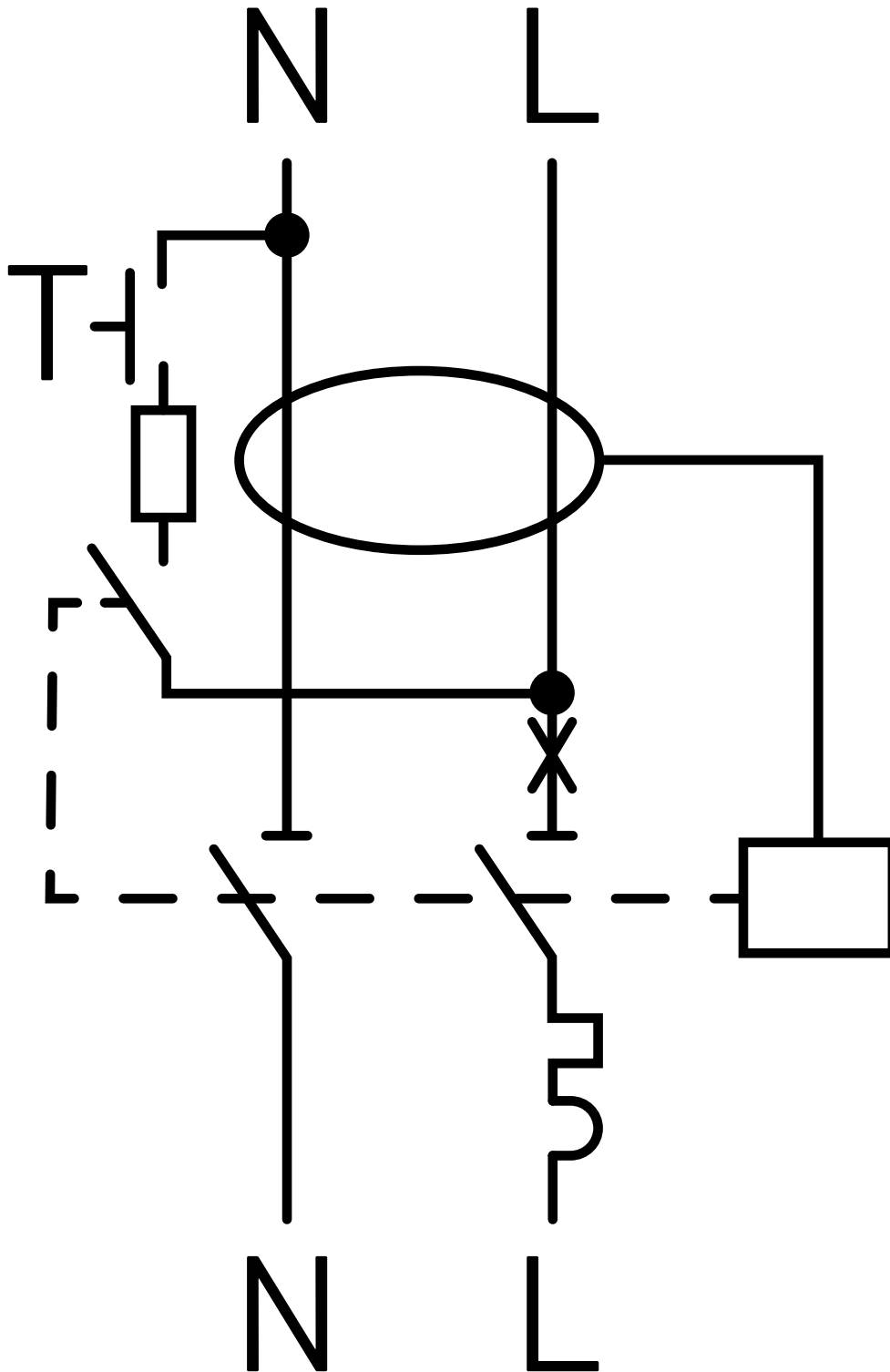
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30mA Type A (2 screw)



MOD6+[™]
RESIDUAL CURRENT DEVICES

CIRCUIT DIAGRAM



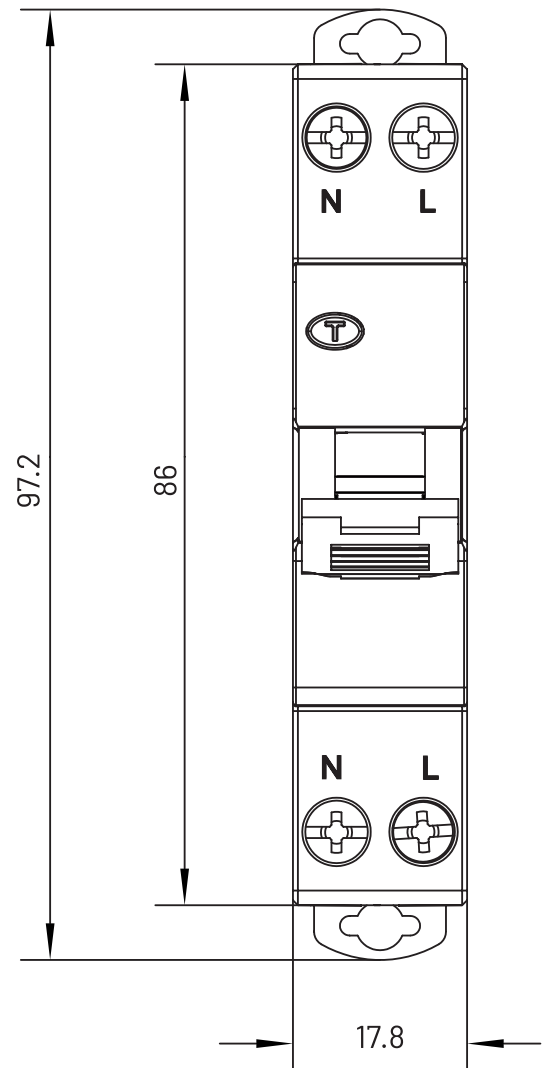
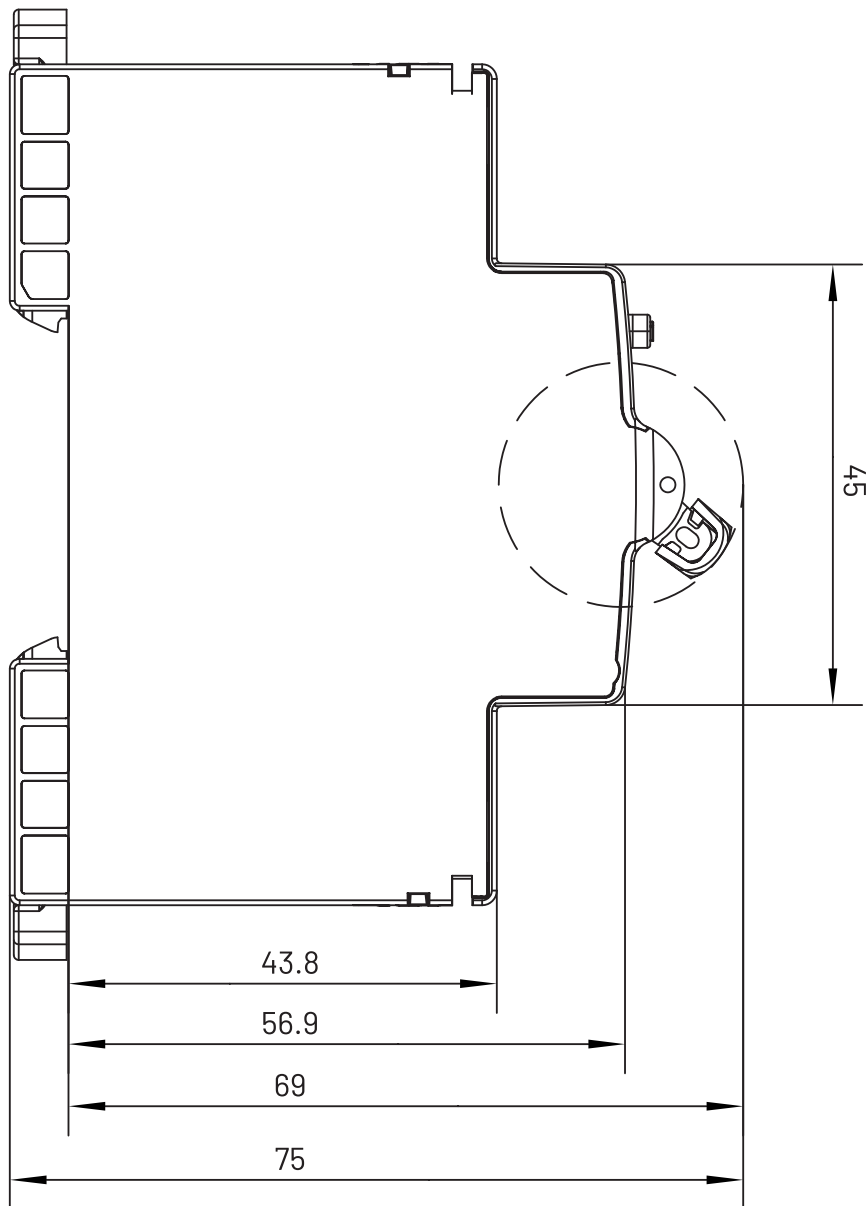
MD6RD0630A

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MOD6+[™]
RESIDUAL CURRENT DEVICES

DIMENSIONAL DIAGRAM



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30mA Type A (2 screw)



MOD6+[™]
RESIDUAL CURRENT DEVICES

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: DTTAX25PN

Required: No

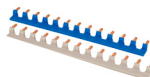
Description: NHP DIN-T Accessory Terminal Axial Pin 25mm



Item No: DTTLT25PN2

Required: No

Description: NHP DIN-T Miniature Circuit Breaker Terminal Axial Pin 25mm Long Insulated



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