

# MD6R24030A

NHP MOD6+ RCBO 6kA 1 Pole and Switched N 40A C Curve  
30mA Type A



Component type	Earth leakage circuit breaker
Range	MOD6+ Residual Current Devices
Model	N/A
Product status	New Item

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	40 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	170 V
Max. operating voltage (Umax)	255 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	Fork and pin
Isolator application	Yes
Rated insulation voltage Ui	500 V
Concurrently switching neutral conductor	Yes

## CONSTRUCTION

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

## MECHANICAL

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**MOD6+**<sup>™</sup>  
RESIDUAL CURRENT DEVICES

MECHANICAL	Connectable conductor cross section solid-core	1-35 mm <sup>2</sup>
	Connectable conductor cross section multi-wired	1-35 mm <sup>2</sup>
	Max. shock duration	13 ms
	Max. shock acceleration	25 g
DIMENSIONS	Depth	75 mm
	Height	85 mm
	Width	35 mm
	Weight	0.2 kg
	Width in number of modular spacings	2
ENVIRONMENT	Operating temperature	-25...55 °C
	Pollution degree	2