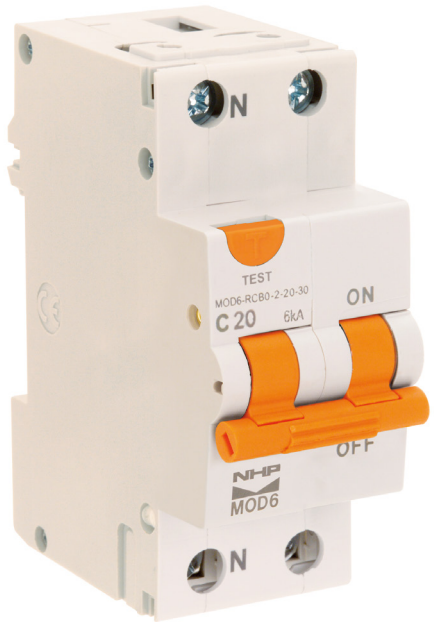
MOD6RCBO24030A

NHP MOD6 Residual Current Device - Short body w/ Overcurrent 6kA 40A 1PN C Curve 30mA Type A 36mm

MOD6
RESIDUAL CURRENT DEVICES



Component type	Earth leakage circuit breaker
Range	MOD6 RCD
Model	N/A
Alternative	MD6R24030A

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**	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	6 kV
	Leakage current type	A
	Tripping time	40 ms
	Min. service voltage	176 V
	Max. operating voltage (Umax)	255 V
	Rated residual make/break capacity	6000 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	440 V
	Concurrently switching neutral conductor	Yes
CONSTRUCTION	**Mounting method**	DIN rail (top hat rail) 35 mm
	IP rating	IP20
	Number of protected poles	1
MECHANICAL	**Mechanical life (service cycles)**	20000 cycles
	Max. shock duration	5 ms
	Max. shock acceleration	40 g

Published on 24 September 2026

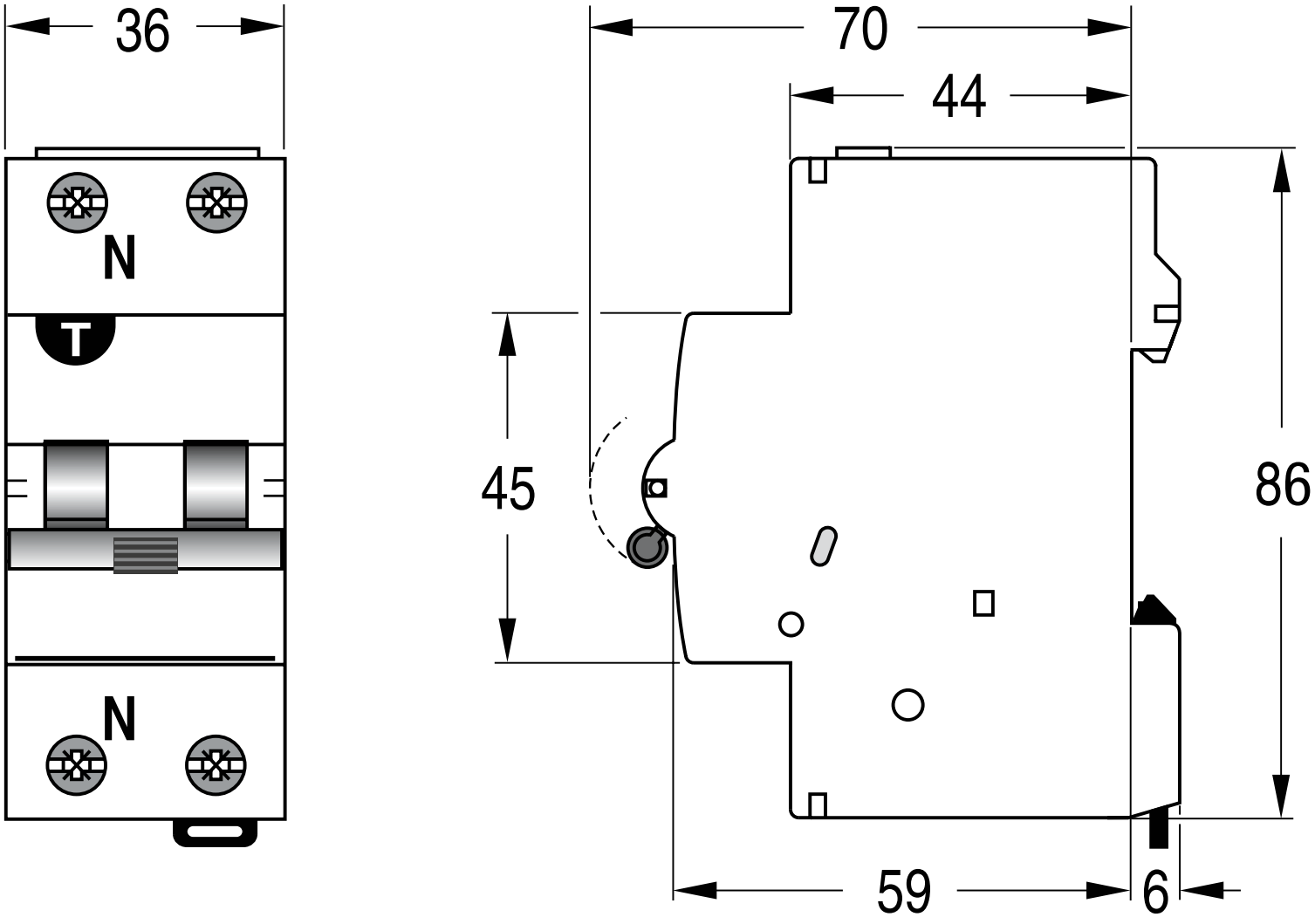
MOD6RCBO24030A

NHP MOD6 Residual Current Device - Short body w/ Overcurrent 6kA 40A 1PN C Curve 30mA Type A 36mm

MOD6
RESIDUAL CURRENT DEVICES

MECHANICAL	Max. vibration acceleration	1.5 m/s²
DIMENSIONS	Depth	76 mm
	Height	86 mm
	Width	36 mm
	Weight	0.25 kg
ENVIRONMENT	Operating temperature	-5…55 °C
	Pollution degree	3

DIMENSIONAL DIAGRAM



Published on 24 September 2026

RELATED PRODUCTS

ACCESSORY



Item No: DTLD
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 DIN-T Miniature Circuit Breaker Terminal Insulated 90 Degrees 25mm Pin



Item No: DTTAX16PN3
Required: Yes
Description: NHP DIN-T Miniature Circuit Breaker Terminal 3 Neutral Link suit RCCB



Item No: DTTLT25PN2
Required: Yes
Description: NHP DIN-T 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

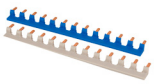
Item No: IBC115P
Required: Yes
Description: NHP DIN-T Miniature Circuit Breaker Bus Comb 15 Way Pin Type 90 Degree 80A End Feed 130A Centre Feed



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

RELATED PRODUCTS

ACCESSORY



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