DTRTNN5030A

NHP DIN-T Residual Current Breaker RCBO 10kA 3 Pole 50A C Curve 30mA Type A (Longbody)

DIN-T™
RESIDUAL CURRENT DEVICES



Component type	Earth leakage circuit breaker
Range	DIN-T RCD
Model	N/A
Product status	New Item

NHP's DIN-T range of residual current devices (RCDs) are a high-performance electrical safety solution designed for commercial, industrial and mining applications. These RCDs offer a high level of selectivity, with sensitives including 10mA, 30mA, 100mA and 300mA, and types starting at Type A for general purpose applications through to Type F and B for more complex loads.

ELECTRICAL	**Rated current**	50 A
	Rated voltage	415 V
	Rated leakage current	30 mA
	Frequency	50/60 Hz
	Rated short-circuit breaking capacity according to AS/NZS 61009	10 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	206 V
	Max. operating voltage (Umax)	457 V
	Rated residual make/break capacity	6000 A
	Protected neutral pole	No
	Number of poles (total)	3
	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	No
CONSTRUCTION	**Mounting method**	DIN rail
	IP rating	IP40
	Number of protected poles	3
MECHANICAL	**Mechanical life (service cycles)**	20000 cycles
	Disconnection characteristic	Undelayed

Published on 19 July 2025

DTRTNN5030A

NHP DIN-T Residual Current Breaker RCBO 10kA 3 Pole 50A C Curve 30mA Type A (Longbody)

DIN-T™ RESIDUAL CURRENT DEVICES

MECHANICAL	**Connectable conductor cross section solid-core**	1-25 mm²
	Connectable conductor cross section multi-wired	1-16 mm²
DIMENSIONS	**Depth**	77.1 mm
	Height	117.5 mm
	Width	54 mm
	Weight	0.49 kg
	Width in number of modular spacings	3
ENVIRONMENT	**Operating temperature**	-5…55 °C
	Pollution degree	2
	Rated temperature	-5…55 °C

RELATED PRODUCTS

ACCESSORY



Item No: DCLD6
Required: No
Description: NHP DIN-T Accessory Locking Device Captive 6.5mm



Item No: DTALDTRT
Required: No
Description: NHP DIN-T LOCKDIN RCBO Kit for DTRT, DTRTN, DTRTNN 3P, 3P+N



Item No: DTALPF
Required: No
Description: NHP DIN-T Accessory Pole Filler to suit 63mm 3P Strip 54mm 6x9mm Segments



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 DIN-T Miniature Circuit Breaker Terminal Insulated 90 Degrees 25mm Pin



Item No: DTTAX25PN
Required: No
Description: NHP DIN-T Accessory Terminal Axial Pin 25mm



Item No: DTTAX25SP
Required: No
Description: NHP DIN-T Accessory Terminal Axial Spade 25mm



Item No: DTTAX50PN
Required: No
Description: NHP DIN-T Accessory Terminal Axial Pin 50mm



Item No: DTTLT25PN2
Required: No
Description: NHP DIN-T Miniature Circuit Breaker Terminal Axial Pin 25mm Long Insulated



Item No: DTTLT35LPN
Required: No
Description: NHP DIN-T Accessory Terminal Lateral Pin 35mm Long



Item No: DTTLT35PN
Required: No
Description: NHP DIN-T Accessory Terminal Lateral Pin 35mm Short

Published on 19 July 2025

DTRTNN5030A

NHP DIN-T Residual Current Breaker RCBO 10kA 3 Pole 50A C Curve 30mA Type A (Longbody)

DIN-T™
RESIDUAL CURRENT DEVICES

RELATED PRODUCTS

ACCESSORY

Item No: ICL123
Required: No
Description: NHP DIN-T Miniature Circuit Breaker Busbar Comb 12 Way 3Pole Pin Type 80A End Feed 130A Centre Feed

Item No: ICL153
Required: No
Description: NHP DIN-T Miniature Circuit Breaker Busbar Comb 15 Way 3Pole Pin Type 80A End Feed 130A Centre Feed

Item No: ICL183
Required: No
Description: NHP DIN-T Miniature Circuit Breaker Busbar Comb 18 Way 3Pole Pin Type 80A End Feed 130A Centre Feed

Item No: ICL213
Required: No
Description: NHP DIN-T Miniature Circuit Breaker Busbar Comb 21 Way 3Pole Pin Type 80A End Feed 130A Centre Feed



Item No: ICL573
Required: No
Description: NHP DIN-T Miniature Circuit Breaker Busbar Comb 57 Way 3Pole Pin Type 80A End Feed 130A Centre Feed



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



Item No: ICLEC23
Required: No
Description: NHP DIN-T Miniature Circuit Breaker Busbar Comb Endcap for 2 and 3Pole ICL and 3 Auxiliary



Item No: ICLTOC
Required: No
Description: NHP DIN-T Miniature Circuit Breaker Busbar Comb Tee Off Cap Strip of 5

Published on 19 July 2025