

DTR6S1030A

NHP DIN-T Residual Current Breaker RCBO 6kA 1 Pole and Switched Neutral 10A C Curve 30mA Type A



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	10 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	Fork and 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

Mechanical life (service cycles)	20000 cycles
Disconnection characteristic	Undelayed

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MECHANICAL	Connectable conductor cross section solid-core	1-35 mm ²
	Connectable conductor cross section multi-wired	1-25 mm ²
	Max. shock duration	5 ms
	Max. shock acceleration	40 g
	Max. vibration frequency, operational	80 Hz
	Max. vibration duration	30 min
DIMENSIONS	Depth	75 mm
	Height	86 mm
	Width	18 mm
	Weight	0.17 kg
	Width in number of modular spacings	1
ENVIRONMENT	Operating temperature	-25...55 °C
	Pollution degree	2

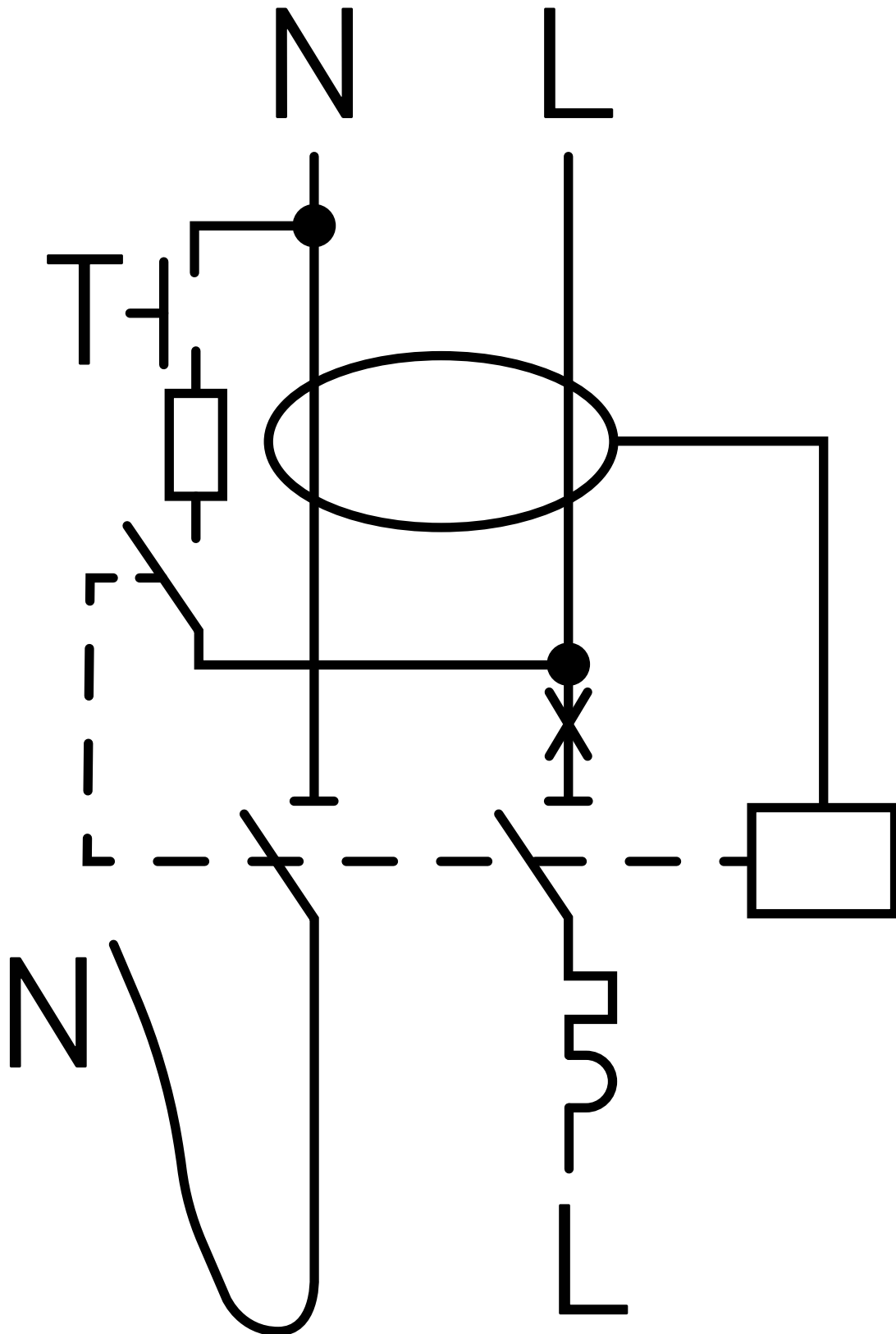
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DIN-T™
RESIDUAL CURRENT DEVICES

CIRCUIT DIAGRAM



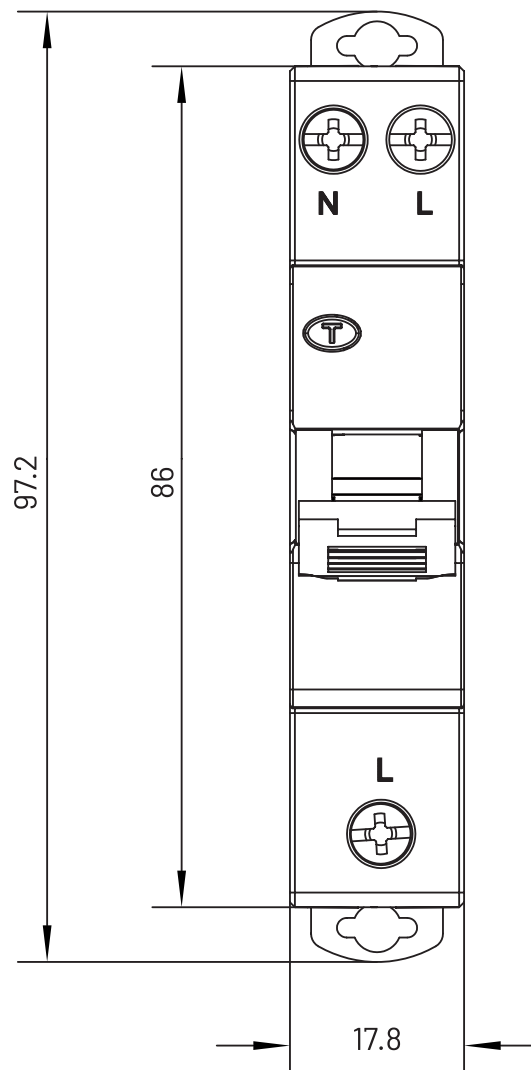
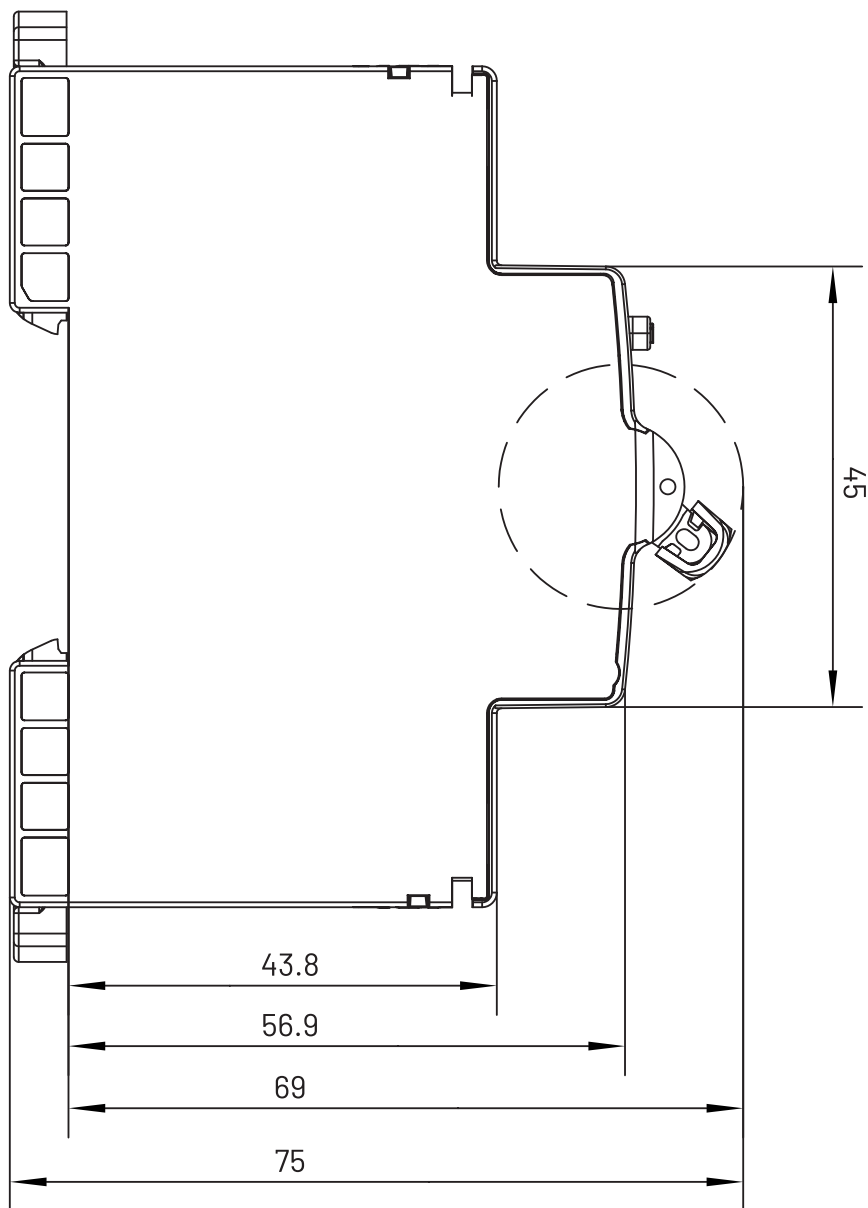
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DIMENSIONAL DIAGRAM



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DIN-T™
RESIDUAL CURRENT DEVICES

RELATED PRODUCTS

ACCESSORY



Item No: DTAAXAL

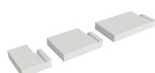
Required: No

Description: NHP DIN-T Accessory Auxiliary/Alarm 1 Changeover Contact suits DIN-T DTM and DTR

Item No: DTALBAX

Required: No

Description: NHP DIN-T LOCKDIN Auxiliary Filler 9mm, 18mm, 27mm Pack Qty 10 each



Item No: DTALDC

Required: No

Description: NHP DIN-T Lock Toggle Device 1P/2P MCB



Item No: DTALDTRS

Required: No

Description: NHP DIN-T LOCKDIN RCBO LH DTR6S, DTRS



Item No: DTALDTRSRH

Required: No

Description: NHP DIN-T LOCKDIN RCBO RH DTR6S, DTRS



Item No: DTALPF

Required: No

Description: NHP DIN-T Accessory Pole Filler to suit 63mm 3P Strip 54mm 6x9mm Segments



Item No: DTASAX

Required: No

Description: NHP DIN-T Accessory Auxiliary (Interface) 1 Changeover Contact to suit DTRS & DTR6S



Item No: DTASHT110415V

Required: No

Description: NHP DIN-T Accessory Shunt Trip 110-415 V AC/DC suits DIN-T DTM and DTR



Item No: DTASHT12110V

Required: No

Description: NHP DIN-T Accessory Shunt Trip 12-110 V AC/DC suits DIN-T DTM and DTR



Item No: DTAUVT240V

Required: No

Description: NHP DIN-T Accessory Undervoltage Trip 240 V AC/DC suits DIN-T DTM and DTR

Item No: DTAUVT24V

Required: No

Description: NHP DIN-T Accessory Undervoltage Trip 24 V AC/DC suits DIN-T DTM and DTR



Item No: DTLTD

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



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RESIDUAL CURRENT DEVICES

RELATED PRODUCTS

ACCESSORY



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



Item No: IBC108P

Required: No

Description: NHP DIN-T Miniature Circuit Breaker Bus Comb 8 Way Pin Type 90 Degree 80A End Feed 130A Centre Feed

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: IBC121P

Required: No

Description: NHP DIN-T Miniature Circuit Breaker Bus Comb 21 Way Pin Type 90 Degree 80A End Feed 130A Centre Feed

Item No: IBC155P

Required: No

Description: NHP DIN-T Miniature Circuit Breaker Bus Comb 55 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: 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: 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: 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: 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: ICL561F

Required: No

Description: NHP DIN-T Miniature Circuit Breaker Bus Comb 57 Way 1Pole Fork Type 110A 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



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RELATED PRODUCTS

ACCESSORY



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

