



DIN-T DEVICES

Safe, secure, compact, reliable.
An extensive range with
outstanding performance.



Safe, Secure, Compact, Reliable

NHP now offers the complete DIN-T range of products which includes MCBs, RCDs, RCBOs and accessories. This range of extensive and flexible products meets the needs of the ever changing demands of switchboard design.

NHP Din-T range

- Miniature Circuit Breakers (MCBs)
- Residual Current Circuit Breakers Overcurrent Protection (RCBOs)
- Residual Current Devices (RCDs)(RCCBs)

When compared to traditional circuit breakers, the DIN-T range of devices under short circuit conditions have very quick operational times, typically 2mS, resulting in very low energy let-through values, minimising damage to downstream cables and devices and as a result increasing their operational life.

One of the advantages of the DIN-T MCB is the fact that it contains two separate methods of tripping the MCB, which involves a bi-metal strip for over load currents and a magnetic coil for short circuit currents. DIN-T MCBs have a special arc runner which takes the bi-metal strip out of the current path during short circuits, therefore preventing it from damage as well as retaining the original overload tripping characteristics.

The DIN-T MCB offers three different tripping curves - 'B', 'C' and 'D' - which means the correct MCB can be selected to suit the application as cable impedance / fault loop impedance must be considered.

LOCKDINTM is a unique captive locking device designed to fit the DIN-T range of MCBs and RCBOs. LOCKDINTM fits within the width of the device so no additional space is required in the switchboard.

Development

NHP is continually developing the DIN-T range to meet the ever changing needs of the market. New product releases such as the newly refreshed DIN-T10H range are in direct response to what the Australian market demands.

In conjunction with the DIN-T range of protective devices, NHP offers a complete range of loadcentres and panelboards to house these devices.



Complete Compact Solution



Versatile and Reliable



High Performance Devices



Extra Security and Safety

DIN-SAFE Compact

Increase the wiring space in switchboards

- 1 pole RCBO
- Suits NHP DIN-T chassis and loadcentres
- Maximises wiring space
- 6kA 'C' curve Switched neutral
- 6-32 A current range
- Type A
- High immunity against nuisance tripping
- Compatible with NHP auxiliaries and accessories



DIN-T6 2-in-1

Double the capacity of your switchboards

- Miniature circuit breaker
- Reduce switchboard space up to 50 %
- 2 pole in one module, 3 and 4 pole in two modules
- 6 kA 'C' curve
- 2-40 A current range
- Compatible with NHP auxiliaries and accessories



DIN-T10H

High performance ideal for selectivity and cascading

- Miniature circuit breaker
- Complies with both AS/NZS60947-2 and AS/NZS60898-1
- 10kA 'B', 'C' and 'D' curve
- 80-125 A current range
- Compatible with NHP auxiliaries and accessories



DIN-SAFE Type B RCCB

Suitable for EV chargers and VSD applications

- DIN-SAFE RCD family
- 40 - 100 A (Type B 63 - 80 A) 30mA, 100mA, 300mA and 500mA options available
- 1P+N or 3P+N for single or three-phase loads
- Ideal for EV chargers and VSDs
- Compatible with NHP auxiliaries and accessories



DIN-T MCB family

NHP now offers the complete DIN-T range of products which includes MCBs, RCDs, RCBO
This range of extensive and flexible products meets the needs of the ever changing de

DIN-T 6 series

6 kA

Light, power, motor starting and transformer applications

- AS/NZS 60898 / 60947-2
- 2-63 A
- 1, 2 and 3 pole
- 'C' and 'D' curve
- 2-in-1: 2-40 A
- Easy-Fit: 6-63 A



DIN-T 10 series

10 kA

Resistive load, light, power, motor starting and transformer applications

- AS/NZS 60898 / 60947-2
- 'B' curve 6-63 A
- 'C' and 'D' curve 0.5-63 A
- 1, 2, 3 and 4 pole
- 'B', 'C' and 'D' curve



DIN-T 10H series

10 kA

Industrial applications

- AS/NZS 60947-2
- 10kA 'C' and 'D' curve
- 80-125 A
- 1, 2, 3 and 4 pole
- 27 mm module width



DIN-Safe RCD and RCBO family

Complete earth leakage solutions

RCBO Single Pole

6 kA

Compact unit

- AS/NZS 61009
- 6-32 A
- 'C' curve
- 30 mA
- Type A
- Suits loadcentres and chassis
- Switched neutral



RCBO Single Pole

10 kA

Improved immunity against nuisance tripping

- AS/NZS 61009
- 6-40 A
- 'C' and 'D' curve
- 10, 30 and 100 mA
- Type A
- Chassis mount



RCBO 2 pole

10 kA

Fits standard DIN-T chassis

- AS/NZS 61009
- 6-40 A
- 2 pole
- 'C' curve
- 10, 30 and 100 mA
- Type AC, A and AI
- Switched neutral version available with pigtail

DIN-T accessories

Enhance the function of your DIN-T circuit breakers

DIN-T Shunt trip

Remote tripping

- Enables MCBs to be remotely switched off by energising the terminals of the shunt trip (emergency stop)
- Couples to left or right side of MCB
- In-built contact in series with coil prevents burn-outs
- NO/NC terminals for indication



DIN-T Under voltage trip

Fail-safe remote tripping

- Enables MCBs to be remotely switched off by energising the terminals of the UVT (fail-safe operation)
- Provides tripping of an MCB if operating threshold of nominal voltage is lower than 50%
- Adjustable time delay from 0-300 ms



DIN-T Auxiliary contacts

Remote indication

- Auxiliary (ON / OFF indication) or alarm (trip indication) selection all in one device
- Stack up to four units on left or right side of an MCB
- Gold plated contacts available for extra low voltage circuits (<24 V eg. PLCs)

BOs and accessories.
 demands of switchboard design.

DIN-T 15 series

15 kA

Industrial applications

- AS/NZS 60947-2
- 6-63 A
- 1, 2, 3 and 4 pole
- 15, 20, 25 and 50 kA 'C' curve



DIN-T DC series

6 kA

Industrial applications

- AS/NZS 60898
- 0.5-63 A
- 1, 2 pole 'C' curve
- 1 pole: 250 V
- 2 pole: 500 V



DIN-T Easy-Fit

6 kA

Light, power, motor starting and transformer applications

- AS/NZS 60898
- 6 – 63 A
- 1 and 3 pole
- Cable clamping technology



available without

RCD

Type A, AI (high immunity)
 Type S (selective type)
 Type F (single phase VSD applications)
 Type B (VSD applications)

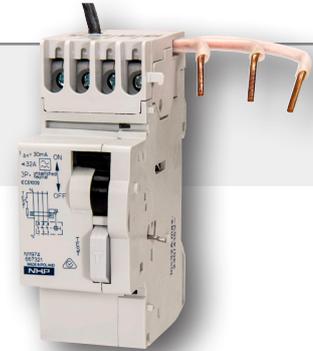
- AS/NZS 61008
- 40 - 125 A
- 2 and 4 pole
- 30, 100, 300 and 500 mA
- Includes *Easy-Fit* family



RCD add-on

Suits DIN-T 6, 10 and 15 series

- AS/NZS 61009
- 32 and 63 A
- 2, 3 and 4 pole
- 30, 100, 300 mA
- Type AC and A
- 2 and 4 pole supplied with neutral pigtail



DIN-T LockDin™

Safe and secure captive locking of DIN-T MCBs and RCBOs

- Designed to be used in conjunction with Concept-Premier and Concept-Tough panelboards
- Captive to MCB
- Suit 2-7 mm padlock



able for



DIN-T General accessories

Suits DIN-T 6, 10 and 15 series

- DIN mount main switch (63-100 A)
- Bus-bar combs - pin and fork type
- DIN-T motor operator - enables remote operation
- DIN-T modular change-over switch, 1 or 2 pole, 32 A
- DIN impulse switch, 1 or 2 pole, 16 A
- DIN mount surge diverters
- DIN-T contactors, 2 or 4 pole, 20-63 A
- DIN mount kilowatt hour meters
- DIN-T pushbuttons and pilot lights
- DIN energy meters

The NHP logo consists of the letters 'NHP' in a bold, white, sans-serif font, centered within a dark blue square background.

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