

MD6R41630A

NHP MOD6+ RCBO 6kA 3 Pole and Switched N 16A C Curve
30mA Type A



| | |
|-----------------------|--------------------------------|
| Component type | Earth leakage circuit breaker |
| Range | MOD6+ Residual Current Devices |
| Model | N/A |
| Product status | Existing |

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 | 16 A |
| Rated voltage | 415 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 | 195 V |
| Max. operating voltage (Umax) | 440 V |
| Rated residual make/break capacity | 4500 A |
| Protected neutral pole | No |
| Number of poles (total) | 4 |
| Electrical life at Un, In (service cycles) | 10000 cycles |
| Type of electric connection | 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 | 3 |
| Mechanical life (service cycles) | 20000 cycles |
| Disconnection characteristic | Undelayed |

MECHANICAL

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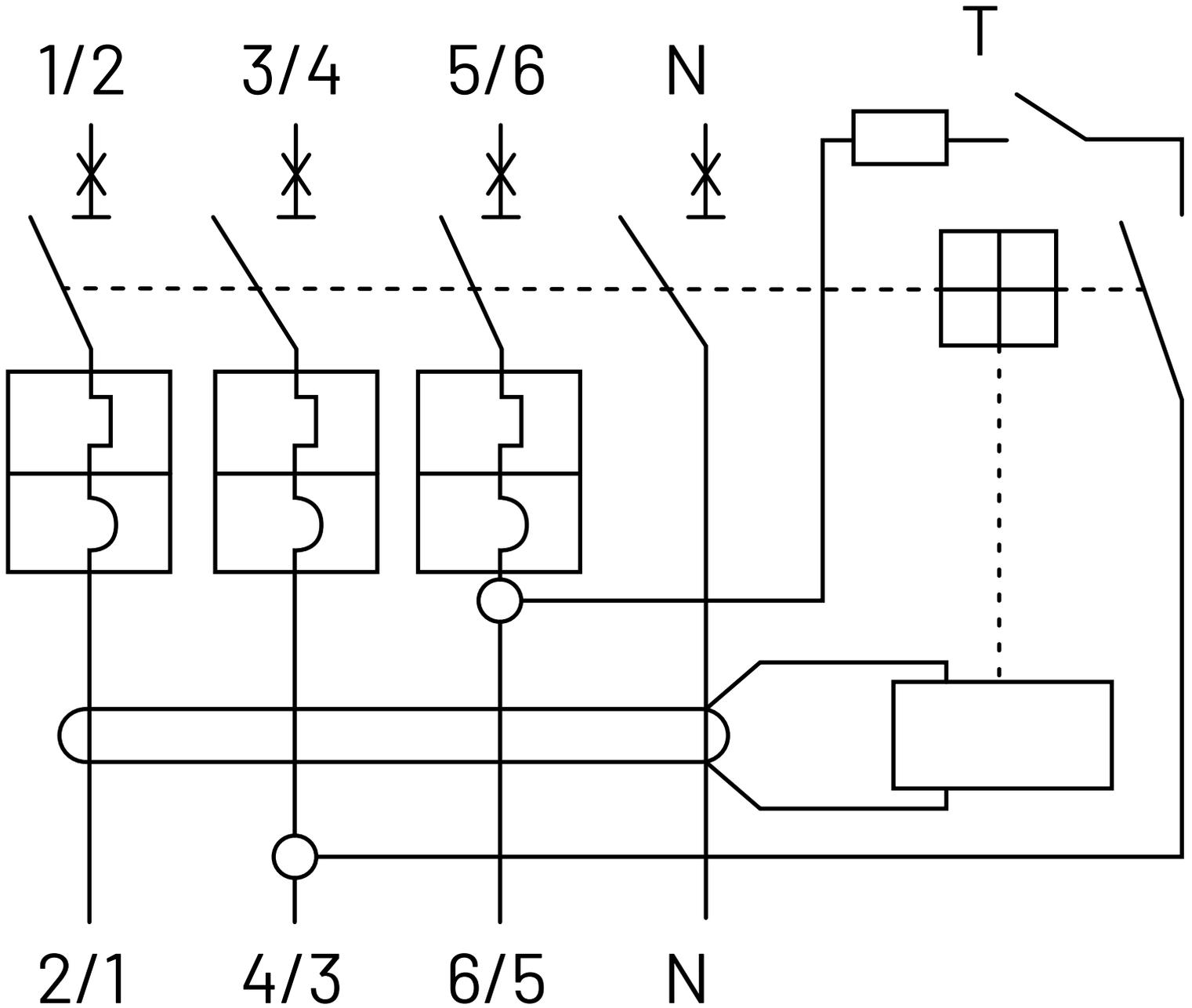
| | | |
|--------------------|---|----------------------|
| MECHANICAL | Connectable conductor cross section solid-core | 1-25 mm ² |
| | Connectable conductor cross section multi-wired | 1-25 mm ² |
| | Max. shock duration | 13 ms |
| | Max. shock acceleration | 30 g |
| DIMENSIONS | Depth | 72 mm |
| | Height | 75 mm |
| | Width | 70.5 mm |
| | Weight | 0.48 kg |
| | Width in number of modular spacings | 4 |
| ENVIRONMENT | Operating temperature | -25...55 °C |
| | Pollution degree | 2 |

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CIRCUIT DIAGRAM

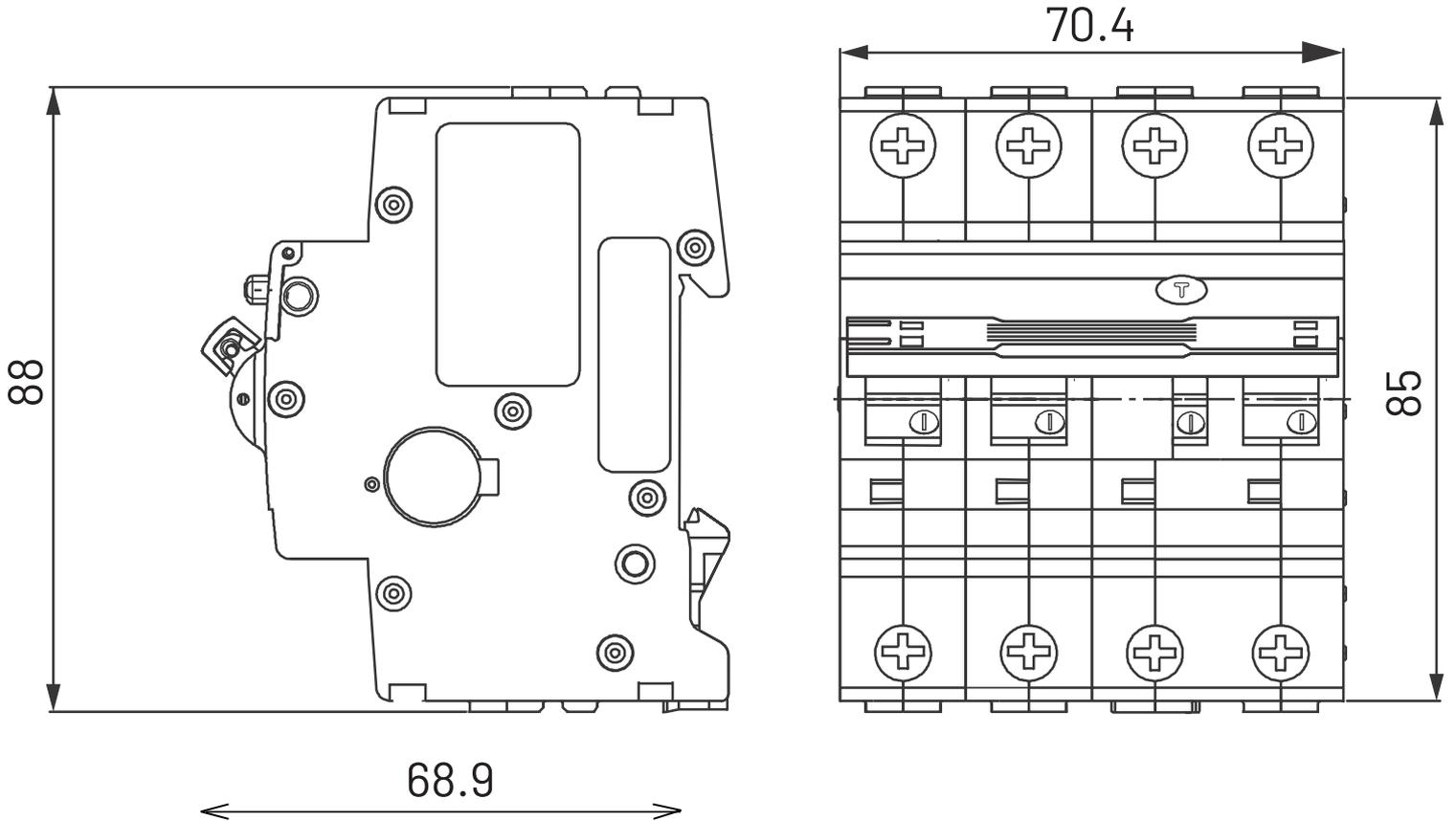


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DIMENSIONAL DIAGRAM



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MOD6+[™]
RESIDUAL CURRENT DEVICES

RELATED PRODUCTS

ACCESSORY



Item No: DTLD

Required: No

Description: NHP DIN-T LOCKDIN Locking Device Removable Individual Piece 8mm



Item No: DTTLT25PN2

Required: No

Description: NHP DIN-T Miniature Circuit Breaker Terminal Axial Pin 25mm Long Insulated



Item No: DTPF12

Required: No

Description: NHP DIN-T Accessory Pole Filler 12Pole Strip 216mm equals 24 x 9mm Segments



Item No: DTTLT35LPN

Required: No

Description: NHP DIN-T Accessory Terminal Lateral Pin 35mm Long



Item No: DTT9025PN

Required: No

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



Item No: DTTLT35PN

Required: No

Description: NHP DIN-T Accessory Terminal Lateral Pin 35mm Short



Item No: DTTAX25PN

Required: No

Description: NHP DIN-T Accessory Terminal Axial Pin 25mm



Item No: ICL564

Required: No

Description: NHP DIN-T Miniature Circuit Breaker Busbar Comb 56 Way 4Pole Pin Type 80A End Feed 130A Centre Feed



Item No: DTTAX50PN

Required: No

Description: NHP DIN-T Accessory Terminal Axial Pin 50mm



Item No: ICLC4

Required: No

Description: NHP DIN-T Miniature Circuit Breaker Busbar Comb Endcap 4 Phase ICL



Item No: ICLTOC

Required: No

Description: NHP DIN-T Miniature Circuit Breaker Busbar Comb Tee Off Cap Strip of 5