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DXþ RCCBs - ID
2P up to 100 A

Cat. N˜ (s) : 411500, 01, 04, 05, 06, 07, 08, 14, 15, 16, 17, 24, 25, 26, 27, 28, 37, 43, 50, 54, 55, 56, 57, 69, 70, 71,72, 84, 90, 91, 92

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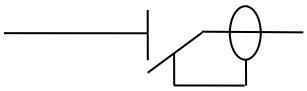
1. DESCRIPTION ² USE

RCCBs with positive contact indication for control, protection and isolation of electrical circuits, protecting people from direct and indirect contact and protecting installations from insulation faults.

Symbol:



Technology:
. Electromagnetic residual current function with current -sensing relay

2. RANGE

Polarity:
. 2-pole

Width:
. 2 modules (2 x 17.8 mm)

Nominal rating In:
. 16 / 25 / 40 / 63 / 80 / 100 A

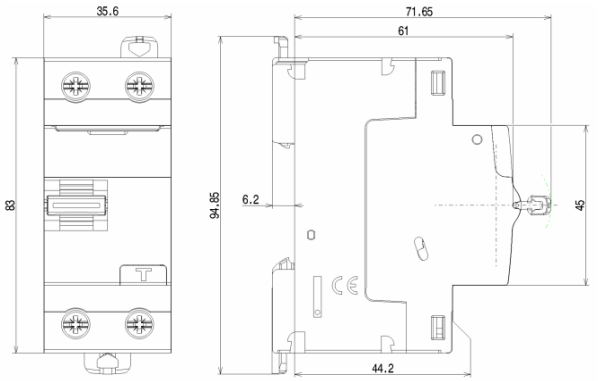
Residual current types:
. AC (sinusoidal differential alternating currents)
. A (residual currents with a DC component)
. AC-S and A-S (discriminating)
. F (additional immunity to unwanted tripping and detection of high frequency fault currents).
F products are also A type.

Sensitivity:
. 10 / 30 / 100 / 300 mA

Nominal voltage and frequency:
. 230 V~ / 240 V~ , 50 Hz with standard tolerances

Maximum operating voltage:
. 250 V ~, 50 Hz

3. OVERALL DIMENSIONS

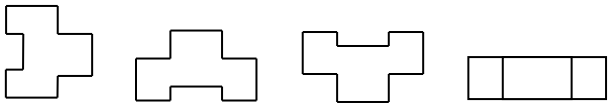


4. PREPARATION - CONNECTION

Mounting:
. On symmetrical rail EN 60715 or DIN 35 rail

Operating positions:

. Vertical Horizontal Upside down On the side



Power supply:
. From the top or the bottom

Connection:
. Inputs and outputs via screw terminals

Terminal arrangement:
. Cage terminals, with disengageable and captive screws (fitted with flaps preventing a cable being placed under the terminal, with the terminal partly open or closed)
. Terminals protected against direct finger contact IP20, wired

4. PREPARATION - CONNECTION *(continued)*

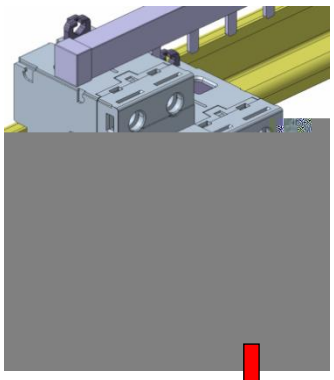
. A circuit breaker may be replaced in the middle of a row supplied with busbars without disconnecting the other products

Put the lugs in the unlocking position

Put the latch clips in the unlocking position

Unscrew the four upper terminals completely

Pull the device forward in order to release it from the rail



Pull the device downward in order to release it completely from the prongs of the busbar

Connection:

. Terminals protected against direct finger contact IP20, wired device
. Cage terminals, with disengageable or captive screws
. Terminals fitted with flaps preventing a cable being placed under the terminal, with the terminal partly open or closed
. Alignment and spacing of the terminals permitting connection with the other products in the range via toothed supply busbars

4. PREPARATION - CONNECTION *(continued)*

Terminal arrangement: *(continued)*

. Alignment and spacing of the terminals permitting shutters with the other products via toothed supply busbars
. Terminal depth: 14 mm
. Terminal capacity: 60 mmÝ
. Screw head: mixed head, slotted head and Philips / Pozidriv no. 2
. Tightening torques:
- Minimum / Maximum: 1.2 Nm / 3.5 Nm
- Recommended: 2.5 Nm

Conductor types:

. Copper cables at the top and bottom of the product
- Cable cross-section:

	Without ferrule	With ferrule
Rigid cable	1 x 0.75 to 50 mmÝ or 2 x 0.75 to 16 mmÝ	/
Flexible cable	1 x 0.75 to 35 mmÝ or 2 x 0.75 to 16 mmÝ	1 x 0.75 to 25 mmÝ

Required tools:

. For the terminals:
- 5.5 mm / 6.5 mm blade screwdriver recommended
- Pozidriv n˜ 2 / Philips N˜ 2 s

. For the latching:
- 5.5 mm blade screwdriver recommended / 6 mm maximum
- Pozidriv n˜ 2 / Philips N˜ 2 s

Device handling:

. Manual action via ergonomic 2 position handle:
- I-On, device closed O-Off, device open

Contact status display:

. By marking of the handle:
- I-On, in white on a red background: closed contacts
- O-Off, in white on a green background: contacts open

Residual current trip display:

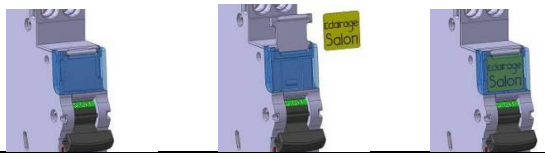
. Handle at the bottom position, the residual current is released

Lockout:

. Padlocks possible in the open or closed positions with padlock support (Cat. No. 4 063 0 3) and Î 5 mm padlock (Cat. No. 063 0 c 1 3) or Î 6 mm padlock (Cat. No.

Sealing:

. Possible in the open or closed positions

Labelling:

. Circuit identification by way of a label inserted in the label holder situated on the front of the product