



AMPLEC

ELECTRICAL



HCR series Residual Current Circuit Breaker with Overcurrent Protection

HCR10, HCR16, HCR20 & HCR25

FEATURES:

- Earth Leakage Protection
- Overload Protection
- Short Circuit Protection
- Over Voltage Protection
- Switched LINE & NEUTRAL for increased safety
- Replaces existing "Din" rail mount MCB's or Earth leakage devices



TECHNICAL DATA:

- AS/NZS 61009.1.2011 Compliant
- Type: electronic type
- Residual current characteristics: A
- Pole No: 1P+N
- Rated short circuit capacity: $I_{cs} = I_{cn} = 6000A$
- Rated Current (A): 10, 16, 20, 25.
- Rated Voltage: 240VAC
- Rated Frequency: 50Hz
- Rated residual operating current(mA): 30
- Electro-mechanical endurance: 4000
- Tripping curve: C
- SAA approved

Over Current tripping characteristic (30°C)

Release type	Test current	Initial state	Rated current of release (In)	Limited time	Prospective result	Remarks
B, C, D	1.13In	Cold state	All	$t < 1h$	Non-Tripping	
B, C, D	1.45In	Hot State	All	$t < 1h$	Tripping	The current rise steadily to a fixed value within 5s.
B, C, D	2.55In	Cold State	All	$1s < t < 60s$	Tripping	
B C D	3In 5In 10In	Cold state	All	$t < 0.1s$	Non-Tripping	Open the supplementary switch, connect the power
B C D	5In 10In 20In	Cold state	All	$t < 0.1s$	Tripping	Open the supplementary switch, connect the power

MINI RCBO
SINGLE POLE

6KA

TYPE A

10A

16A

20A

25A

TESTED IN AUSTRALIA BY:

TUV Rheinland Australia Pty. Ltd.
PO Box 5050, Heidelberg West Vic. 3081

TOBIN
ELECTRICAL COMPONENTS

TOBIN ELECTRICAL COMPONENTS PTY. LTD.

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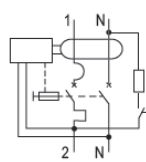
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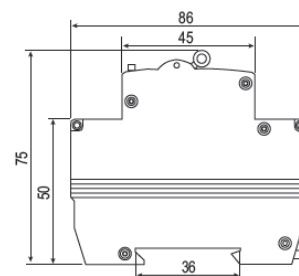
Web: www.tobins.com.au

Wiring Diagram



AS/NZS 61009.1

Overall & Installation Dimensions



Protecting Australian Homes & Families

TESTED AND APPROVED IN AUSTRALIA