

THE RESIDUAL CURRENT CIRCUIT BREAKERS WITH OVERLOAD

have been designed to combine earth leakage and overload protection in one compact unit. All have a sensitivity setting of 30mA and are available in various current ratings. This protection device is suitable for domestic, commercial and industrial applications.

RCBOs Single Module Type 'AC'		10kA Rated	
Rating	(+ un-switched neutral) Sensitivity	Reference 'B' curve	Reference 'C' curve
6A	30mA	MIB06-1/0.03	MIC06-1/0.03
10A	30mA	MIB10-1/0.03	MIC10-1/0.03
16A	30mA	MIB16-1/0.03	MIC16-1/0.03
20A	30mA	MIB20-1/0.03	MIC20-1/0.03
32A	30mA	MIB32-1/0.03	MIC32-1/0.03
40A	30mA	MIB40-1/0.03	MIC40-1/0.03
45A	30mA	MIB45-1/0.03	MIC45-1/0.03

RCBOs Two Pole Type 'AC'		10kA Rated	
2 Modules Rating	Sensitivity	Reference 'B' curve	Reference 'C' curve
6A	30mA	FIB06/0.03/1N-AC	FIC06/0.03/1N-AC
10A	30mA	FIB10/0.03/1N-AC	FIC10/0.03/1N-AC
16A	30mA	FIB16/0.03/1N-AC	FIC16/0.03/1N-AC
20A	30mA	FIB20/0.03/1N-AC	FIC20/0.03/1N-AC
25A	30mA	FIB25/0.03/1N-AC	FIC25/0.03/1N-AC
32A	30mA	FIB32/0.03/1N-AC	FIC32/0.03/1N-AC
40A	30mA	FIB40/0.03/1N-AC	FIC40/0.03/1N-AC

RCBOs Two Pole Type 'A'		10kA Rated	
2 Modules Rating	Sensitivity	Reference 'B' curve	Reference 'C' curve
6A	30mA	FIB06/0.03/1N-A	FIC06/0.03/1N-A
10A	30mA	FIB10/0.03/1N-A	FIC10/0.03/1N-A
16A	30mA	FIB16/0.03/1N-A	FIC16/0.03/1N-A
20A	30mA	FIB20/0.03/1N-A	FIC20/0.03/1N-A
25A	30mA	FIB25/0.03/1N-A	FIC25/0.03/1N-A
32A	30mA	FIB32/0.03/1N-A	FIC32/0.03/1N-A
40A	30mA	FIB40/0.03/1N-A	FIC40/0.03/1N-A

RCBOs Four Pole Type 'A'		6kA Rated	
4 Modules Rating	Sensitivity	Reference 'C' curve	
6A	30mA	FIC06-4/0.03-A	
10A	30mA	FIC10-4/0.03-A	
16A	30mA	FIC16-4/0.03-A	
20A	30mA	FIC20-4/0.03-A	
25A	30mA	FIC25-4/0.03-A	
32A	30mA	FIC32-4/0.03-A	
40A	*5 modules	FIC40-4/0.03-A	

The single module RCBO is an electronic unit designed specifically for fitting into consumer units (plastic and metal) to give earth leakage protection to an individual circuit.



The two and four module RCBOs have flag indicators to show the position of the contacts, they also have terminals capable of accepting 25mm² cable.



The two module RCBOs have an additional flag to indicate residual current trip.

All the RCBOs respond to AC residual currents and are manufactured to comply with BSEN61009.

The Type 'A' devices also respond to pulsating DC.



*NOTE - The 40A 4pole RCBO is 5 modules wide

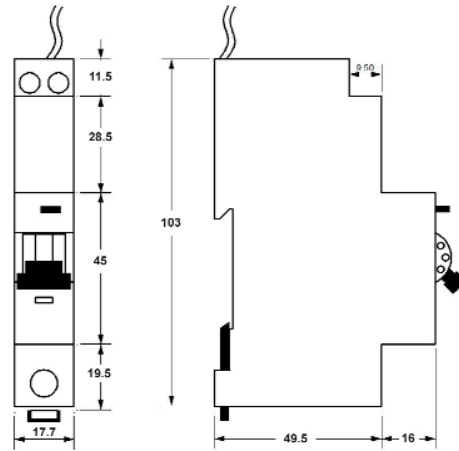
TECHNICAL SPECIFICATIONS

Residual Current Breaker with Overload - single pole

Technical Data

Connection	Incoming - Live 1-25mm ² cable & fork busbar - Neutral flying lead rated at 56Amps Outgoing - 1-10mm ² Live & Neutral
Standards	BSEN61009 BSEN61009-2-1 BSEN61543
Current rating	6A - 40A
Operating Voltage	230 V a.c.
No. of poles	2 (solid neutral)
Tripping Characteristics	Type B & Type C
Energy limiting class	3
RCD type	Type AC
Tripping sensitivity	30mA
Short circuit rating	10kA

Dimensions



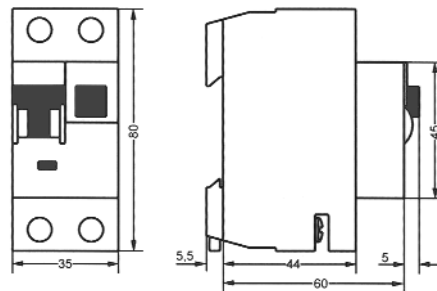
Contact Assignments

Residual Current Breaker with Overload - 2 pole

Technical Data

Connection	1-25mm ²
Ambient temperature	climatic-proof as per IEC 1008
Max. back-up fuse	100 gL
Rated breaking capacity	10 kA as per IEC 1009 (EN 61 009)
Energy limiting class	3
Rated frequency	50 Hz
Responds to	AC residual currents
Operating voltage	$U_B \sim 230$ V $U_{Bmin.} \sim 100$ V for the test circuit
No. of modules	2

Dimensions



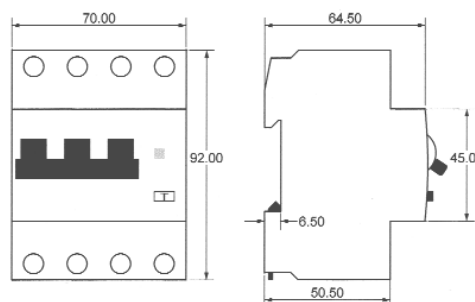
Contact Assignments

Residual Current Breaker with Overload - 4 pole

Technical Data

Connection	1-25mm ²
Ambient temperature	climatic-proof as per IEC 1008
Max. back-up fuse	100 gL
Rated breaking capacity	6 kA as per EN 61 009-1
Energy limiting class	3
Rated frequency	50 Hz
Responds to	AC and pulsating DC residual currents
Operating voltage	$U_B \sim 400$ V $U_{Bmin.} \sim 100$ V for the test circuit
No. of modules	4

Dimensions



Contact Assignments