

MOD6 RCBOs

New and retrofit solutions providing reliable personnel protection

POWER DISTRIBUTION AND PROTECTION





M6 RCBS

Compact 1 Pole RCBS

Features

- Ideal for both loadcentres and panelboards
- Genuine 6kA short circuit protection
- 6-32A overload protection
- 30mA earth leakage protection (10mA option)
- Switched neutral
- Same size as a standard MCB
- Easy to retrofit an MCB with RCBO
- Load screw terminals
- Line active screw terminals
- Line neutral flying lead
- Utilises standard pin buscomb (links direct MCB and main switch)
- Dual DIN clip (top and bottom)
- Type A

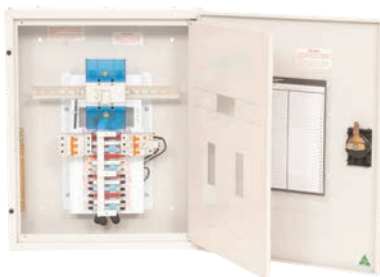


Special buscomb for quick installation

Description	Module Width	Catalogue No.
RCBO 6kA 1P 06A 30mA MOD6	1	M6 RCBS 0630CAN
RCBO 6kA 1P 10A 30mA MOD6	1	M6 RCBS 1030CAN
RCBO 6kA 1P 16A 30mA MOD6	1	M6 RCBS 1630CAN
RCBO 6kA 1P 20A 30mA MOD6	1	M6 RCBS 2030CAN
RCBO 6kA 1P 25A 30mA MOD6	1	M6 RCBS 2530CAN
RCBO 6kA 1P 32A 30mA MOD6	1	M6 RCBS 3230CAN

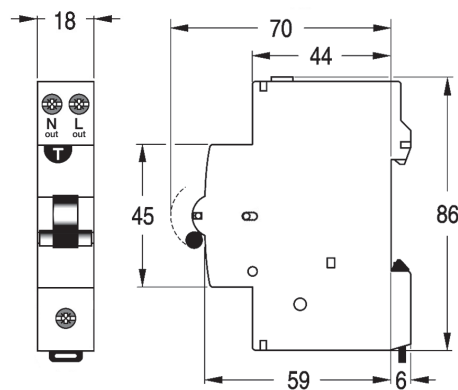
Accessories

Description	Catalogue No.
12 way single phase pin busbar comb	1BC112P
15 way single phase pin busbar comb	1BC115P
18 way single phase pin busbar comb	1BC118P
Lock dog	DTLD



M6PB36M160

Dimensions (mm)



Compact 1 Pole RCBD



M6 RCBD

Features

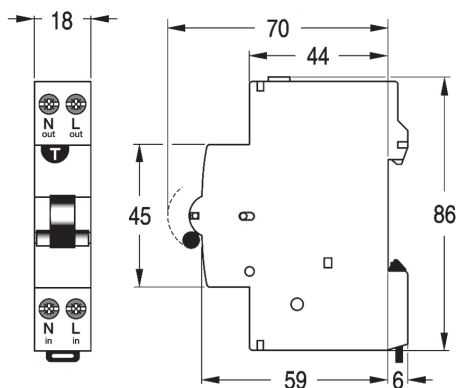
- Suits loadcentres
- Genuine 6kA short circuit protection
- 6-32A Overload protection
- 30mA Earth leakage protection (10mA option)
- Switched neutral
- Same size as a standard MCB
- Easy to retrofit an MCB with RCBO
- Line/ load - screw terminals
- No flying leads ¹⁾
- Special buscomb to allow quick installation
- Dual DIN clip (top and bottom)
- Type A

Description	Module Width	Catalogue No.
RCBO 6kA 1P 06A 30mA MOD6	1	M6 RCBD 0630CAN
RCBO 6kA 1P 10A 30mA MOD6	1	M6 RCBD 1030CAN
RCBO 6kA 1P 16A 30mA MOD6	1	M6 RCBD 1630CAN
RCBO 6kA 1P 20A 30mA MOD6	1	M6 RCBD 2030CAN
RCBO 6kA 1P 25A 30mA MOD6	1	M6 RCBD 2530CAN
RCBO 6kA 1P 32A 30mA MOD6	1	M6 RCBD 3230CAN

Accessories

Description	Catalogue No.
13 pole 2P buscomb (active, neutral)	IBD213P
18 pole 2P buscomb (active, neutral) ²⁾	IBD218P
55 pole 2P buscomb (active, neutral) ²⁾	IBD255P
Encap suit IBD218P	IBDEC2
Pin terminal 25mm	DTTLT25PN2
Lock dog	DTLD

Dimensions (mm)



Special buscomb for quick installation

¹⁾ Switched neutral version
²⁾ Can be cut to size



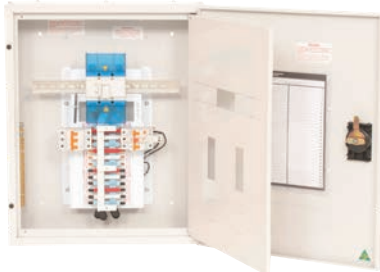
MOD6 RCBO 1

1 Pole RCBO

Features

- Suits panelboard busbar chassis
- Genuine 6kA short circuit protection
- 10-32A Overload protection
- 30mA Earth leakage protection
- Type A
- 1P 18mm width
- Load - screw terminals
- Line - active large screw terminal, neutral flying lead
- Utilises standard buscomb and chassis
- DIN clip bottom

Description	Module Width	Catalogue No.
RCBO 6 kA 1 P 10 A 30 mA MOD6	1	MOD6 RCBO 1 1030AL
RCBO 6 kA 1 P 16 A 30 mA MOD6	1	MOD6 RCBO 1 1630AL
RCBO 6 kA 1 P 20 A 30 mA MOD6	1	MOD6 RCBO 1 2030AL
RCBO 6 kA 1 P 25 A 30 mA MOD6	1	MOD6 RCBO 1 2530AL
RCBO 6 kA 1 P 32 A 30 mA MOD6	1	MOD6 RCBO 1 3230AL

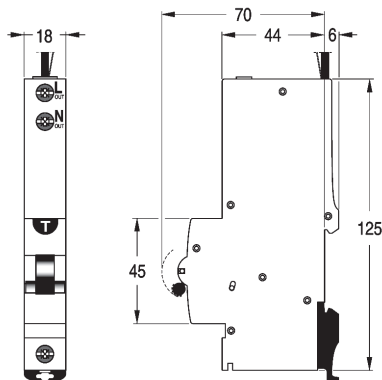


M6PB36M160

Accessories

Description	Catalogue No.
12 way single phase pin busbar comb	1BC112P
15 way single phase pin busbar comb	1BC115P
18 way single phase pin busbar comb	1BC118P
Lock dog	DTLD

Dimensions (mm)





MOD6 RCBO 2

2 Pole RCBO

Features

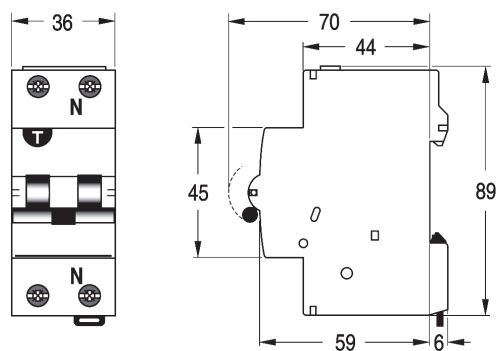
- Suits both loadcentres and Panelboards
- Genuine 6kA short circuit protection
- 6-40A Overload protection
- 30mA Earth leakage protection (10mA option)
- Switched neutral
- 2P 36mm width
- Load - large screw terminals
- Line - large screw terminals
- 1P+N buscomb or 4P chassis
- DIN clip bottom

Description	Module Width	Catalogue No.	
		Type AC	Type A
RCBO 6 kA 2 P 10 A 30 mA MOD6	2	MOD6 RCBO 2 1030	MOD6 RCBO 2 1030A
RCBO 6 kA 2 P 16 A 30 mA MOD6	2	MOD6 RCBO 2 1630	MOD6 RCBO 2 1630A
RCBO 6 kA 2 P 20 A 30 mA MOD6	2	MOD6 RCBO 2 2030	MOD6 RCBO 2 2030A
RCBO 6 kA 2 P 25 A 30 mA MOD6	2	MOD6 RCBO 2 2530	MOD6 RCBO 2 2530A
RCBO 6 kA 2 P 32 A 30 mA MOD6	2	MOD6 RCBO 2 3230	MOD6 RCBO 2 3230A
RCBO 6 kA 2 P 40 A 30 mA MOD6	2		MOD6 RCBO 2 4030A

Accessories

Description	Catalogue No.
6 way 1P+N pin busbar comb	1CL62
10 way 1P+N pin busbar comb	1CL102
Axil spade terminal 25mm	DTTAX25SP
Axil pin terminal 25mm	DTTAX25PN
Axil pin terminal 50mm	DTTAX50PN
Lock dog	DTLD

Dimensions (mm)



M6RCBS

M6RCBD

Specification	1P compact Switched Neutral	1P compact Switched Neutral
Approval no.	NSW 24576	NSW 24576
Standards	AS/NZS 61009	AS/NZS 61009
Magnetic tripping characteristics	C	C
Residual tripping characteristics	A	A
Rated current	6-32A	6-32A
Rated residual current	30mA, 10mA	30mA, 10mA
Calibration temperature	30°C	30°C
Rated voltage	240V	240V
Frequency	50 / 60	50 / 60
Maximum service voltage	265	265
Minimum service voltage	85	85
Minimum voltage for leakage protection	85	85
Power supply	Top / Bottom	Top / Bottom
Selectivity class	3	3
Residual making and breaking capacity	4.5kA	4.5kA
Short circuit capacity	6kA	6kA
Isolation application (IEC 60947-2)	Yes	Yes
Insulation resistance (Mohm)	1,000	1,000
Insulation voltage (V)	440	400
Dielectric rigidity (V)	2,500	2,500
Vibration resistance	1.5g	1.5g
Endurance (operations) Electrical/Mechanical	10,000/20,000	10,000/20,000
Protection degree (outside/inside enclosure)	IP20/IP40	IP20/IP40
Self extinguishing degree (UL 94)	V 2	V 2
Tropicalisation (IEC 60068-2)	+55° C / 95% RH	+55° C / 95% RH
Operating temperature	-5 / +60°C	-5 / +60°C
Storage temperature	-25 / +70°C	-25 / +70°C
Terminal capacity (top) min/max	1/25	1/25
Terminal capacity (bottom) min/max	1/25	1/25
Terminal torque (top / bottom) (Nm)	3	3
Busbar systems (bottom)	Yes (std Pin)	Yes (spec pin)
Dimensions (mm)	76 (H) 86 (L) 18 (W)	76 (H) 86 (L) 18 (W)
Weight (g)	215	125

MOD6RCBO1

MOD6RCBO2

1P Long body RCBO	2P RCBO
N17482	N17482
AS/NZS 61009	AS/NZS 61009
C	C
A	A, AC
10-32A	6-40A
30mA	30mA, 10mA
30°C	30°C
240V	240V
50 / 60	50 / 60
255	255
195	117
100	Voltage independent
Bottom	Top/Bottom
3	3
6kA	6kA
6kA	6kA
Yes	Yes
1,000	1,000
500	500
2,500	2,500
2.0g	1.5g
10,000/20,000	10,000/20,000
IP20/IP40	IP20/IP40
V 2	V 2
+55° C / 95% RH	+55° C / 95% RH
-5 / +60°C	-25 / +60°C
-25 / +70°C	-25 / +70°C
1/25	1/25
1/35	1/35
3/4.5	3/4
Yes (std pin or fork)	Yes (std pin or fork)
76 (H) 125 (L) 18 (W)	76 (H) 86 (L) 36 (W)
350	250

General application requirements ¹⁾	Australia	New Zealand
Residential - General light and power	Non-switched Neutral	Switched Neutral
Commercial - General light and power	Non-switched Neutral	Non-switched Neutral
Industrial - General light and power	Non-switched Neutral	Non-switched Neutral
Schools, Kindergartens	Non-switched Neutral	Switched Neutral
Medical (GP, centres, hospitals etc.)	Switched Neutral	Switched Neutral
Caravans / RV (mobile homes)	Switched Neutral	Switched Neutral
Service stations	Switched Neutral	Switched Neutral
Construction sites	Switched Neutral	Switched Neutral
High risk applications	Switched Neutral	Switched Neutral

¹⁾ Always refer to your local standards/regulation specific requirements which may differ from these recommendations

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