

BIDIRECTIONAL



BIDIRECTIONAL CIRCUIT PROTECTION DEVICES

BIDIRECTIONAL POWER FLOW

Bidirectional Short Circuit Protection Devices (SCPDs) allow the power flow within an installation to flow in either direction, without the potential risk to the electronics within them.

Where bidirectional power flow is possible, only a device suitable for bidirectional power flow shall be used.



Ideal for installations such as:



**Battery
Storage**



**Solar
Photovoltaic (PV)**



**Electric
Vehicles**



**Micro
Generator**



**Grid (Mains)
Supply**

By design our bidirectional devices fully isolate the PCB & Solenoid arrangement from the supply, irrespective of the load entering the top or bottom of the device. In the event of a genuine earth fault on the circuit, or a routine test, the electronics are protected from damage.

RCDs



30mA TYPE B RCDs

63/2/30B2

CURRENT RATING (A)	NO. OF MODULES	NO. OF POLES	CAT. NO.
63	2	2	63/2/30B2
63	4	4	63/4/30B
80	4	4	80/4/30B



TIME DELAY RCDs

100/2/200D

CURRENT RATING (A)	100mA SENSITIVITY CAT. NO.	300mA SENSITIVITY CAT. NO.
63	63/2/100D	63/2/300D
100	100/2/100D	100/2/300D



25/4/30A



2 POLE RCDs TYPE A

CURRENT RATING (A)	30mA SENSITIVITY CAT. NO.	100mA SENSITIVITY CAT. NO.	300mA SENSITIVITY CAT. NO.	30mA SENSITIVITY CAT. NO.	100mA SENSITIVITY CAT. NO.	300mA SENSITIVITY CAT. NO.
16	16/2/30TA	-	-			
25	25/2/30TA	25/2/100TA	-	25/4/30A		
32	32/2/30TA	-	-		-	-
40	40/2/30TA	40/2/100TA	-	40/4/30A	40/4/100A	-
63	63/2/30TA	63/2/100TA	-	63/4/30A	63/4/100A	63/4/300A
80	80/2/30TA	80/2/100TA	-	80/4/30A	80/4/100A	80/4/300A
100	100/2/30TA	100/2/100TA	100/2/300TA	100/4/30A	100/4/100A	100/4/300A

4 POLE RCDs TYPE A

RCBOs

RCBOs



1BK10



SINGLE MOD DP RCBOs SWITCHED LIVE & NEUTRAL

DOUBLE MOD DP RCBOs SWITCHED LIVE & NEUTRAL

CURRENT RATING (A)	6kA B CURVE COMP. 30mA CAT. NO.	6kA C CURVE COMP. 30mA CAT. NO.	10kA B CURVE 30mA CAT. NO.	10kA C CURVE 30mA CAT. NO.
6	1BK6	1CK6	6MRBA	-
10	1BK10	1CK10	10MRBA	-
16	1BK16	1CK16	16MRBA	-
20	1BK20	1CK20	20MRBA	-
25	1BK25	1CK25	-	-
32	1BK32	1CK32	32MRBA	-
40	1BK40	1CK40	40MRBA	40MRCA

SINGLE MOD RCBOs SINGLE POLE & NEUTRAL

CURRENT RATING (A)	10kA B CURVE COMP. 30mA CAT. NO.	10kA C CURVE COMP. 30mA CAT. NO.	10kA D CURVE COMP. 30mA CAT. NO.	10kA C CURVE COMP. 100mA CAT. NO.
6	XL6BRK	XL6CRK	XL6DRK	NEW! XL6CRK100MA NEW!
10	XL10BRK	XL10CRK	XL10DRK	NEW! XL10CRK100MA NEW!
16	XL16BRK	XL16CRK	XL16DRK	NEW! XL16CRK100MA NEW!
20	XL20BRK	XL20CRK	XL20DRK	NEW! XL20CRK100MA NEW!
25	XL25BRK	XL25CRK	XL25DRK	NEW! XL25CRK100MA NEW!
32	XL32BRK	XL32CRK	XL32DRK	NEW! XL32CRK100MA NEW!
40	XL40BRK*	XL40CRK*	XL40DRK	NEW! XL40CRK100MA NEW!
50	XL50BRK*	XL50CRK*	XL50DRK	NEW! XL50CRK100MA NEW!



XL20BRK



*-6kA

AFDDs

AFDDs



AFR10B1



DP 1 MOD 6kA 30mA AFDD COMBINED RCBO

DP 1 MOD 10kA 30mA AFDD COMBINED RCBO

CURRENT RATING (A)	6kA B CURVE CAT. NO.	6kA C CURVE CAT. NO.	10kA B CURVE CAT. NO.	10kA C CURVE CAT. NO.
6	AFR06B1	AFR06C1	AFR1006B NEW!	AFR1006C NEW!
10	AFR10B1	AFR10C1	AFR1010B NEW!	AFR1010C NEW!
16	AFR16B1	AFR16C1	AFR1016B NEW!	AFR1016C NEW!
20	AFR20B1	AFR20C1	AFR1020B NEW!	AFR1020C NEW!
32	AFR32B1	AFR32C1	AFR1032B NEW!	AFR1032C NEW!
40	AFR40B1	AFR40C1	AFR1040B NEW!	AFR1040C NEW!

STAND ALONE EARTH LEAKAGE UNITS



MCEL160FB



AMPERAGE	TYPE B	TYPE A	
	CAT. NO. (4 POLE)	CAT. NO. (3 POLE+N)	CAT. NO. (4 POLE)
63A	MCEL063FB NEW!	-	-
80A	MCEL080FB NEW!	-	-
100A	MCEL100FB NEW!	MCEL100T	MCEL100F
125A	MCEL125FB NEW!	MCEL125T	MCEL125F
160A	MCEL160FB NEW!	MCEL160T	MCEL160F
200A	MCEL200FB NEW!	MCEL200T	MCEL200F
250A	MCEL250FB NEW!	MCEL250T	MCEL250F
315A	MCEL315FB NEW!	MCEL315T	MCEL315F
400A	MCEL400FB NEW!	MCEL400T	MCEL400F
500A	MCEL500FB NEW!	MCEL500T	MCEL500F
630A	MCEL630FB NEW!	MCEL630T	MCEL630F

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