



xPole mRBM4 RCBO (Residual Current operated circuit Breaker with Overcurrent protection)

Features at a glance

- Rated breaking capacity 10kA
- Four module line-voltage independent RCBO
- Fits on existing chassis
- Fully conforms to IEC 61009
- Approval number NSW28232
- Terminal capacity 1-25mm²
- Complete with 950mm long pigtail
- Type A – both AC and pulsating DC

Specifications

Electrical

Design according to	IEC 61009
Number of poles	3+N-pole Active poles switched, N led through (solid neutral)
Rated voltage U _n	240/415 VAC
Rated frequency	50 Hz
Rated current I _n	6 - 32 A
Rated tripping current I _{Δn}	30, 100 mA
Sensitivity type	A
Tripping Characteristic RCD component:	
Tripping line voltage-dependent	Instantaneous
Peak withstand current	250A (8/20us)
Rated non-tripping current I _{Δno}	0.5 I _{Δn}
Voltage range for protective function	184 - 264 V~
Tripping Characteristic MCB component:	
Tripping temperature	-25°C - 40 °C
Characteristic	C, D
Rated breaking capacity	10 kA
Selectivity class	3
Endurance	Electrical comp. >4,000 operating cycles Mechanical comp. >20,000 operating cycles

Mechanical

Mounting	3-Position DIN rail clip, permits removal from existing busbar system
Line/ Load terminals	Open mouthed/lift terminals
Terminal protection	Finger and hand touch safe
Terminal capacity	1 - 25 mm ²
Busbar thickness below	0.8 - 2 mm
Degree of protection, switch	IP20
Degree of protection, built-in	IP40
Storage and transport temperature	-35°C to +60°C
Resistance to climatic conditions	acc. To IEC/EN 61009

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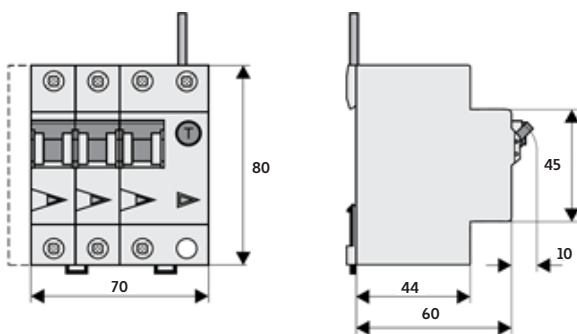
Description Trip Characteristic C	Rating (A)	Sensitivity (mA)	Item no.
mRBM4 RCBO 6A 3P+N 10kA 30mA C-curve	6	30	mRBM4-6/3/C/003-A-UK-PT
mRBM4 RCBO 10A 3P+N 10kA 30mA C-curve	10	30	mRBM4-10/3/C/003-A-UK-PT
mRBM4 RCBO 16A 3P+N 10kA 30mA C-curve	16	30	mRBM4-16/3/C/003-A-UK-PT
mRBM4 RCBO 20A 3P+N 10kA 30mA C-curve	20	30	mRBM4-20/3/C/003-A-UK-PT
mRBM4 RCBO 25A 3P+N 10kA 30mA C-curve	25	30	mRBM4-25/3/C/003-A-UK-PT
mRBM4 RCBO 32A 3P+N 10kA 30mA C-curve	32	30	mRBM4-32/3/C/003-A-UK-PT
mRBM4 RCBO 6A 3P+N 10kA 100mA C-curve	6	100	mRBM4-6/3/C/01-A-UK-PT
mRBM4 RCBO 10A 3P+N 10kA 100mA C-curve	10	100	mRBM4-10/3/C/01-A-UK-PT
mRBM4 RCBO 16A 3P+N 10kA 100mA C-curve	16	100	mRBM4-16/3/C/01-A-UK-PT
mRBM4 RCBO 20A 3P+N 10kA 100mA C-curve	20	100	mRBM4-20/3/C/01-A-UK-PT
mRBM4 RCBO 25A 3P+N 10kA 100mA C-curve	25	100	mRBM4-25/3/C/01-A-UK-PT
mRBM4 RCBO 32A 3P+N 10kA 100mA C-curve	32	100	mRBM4-32/3/C/01-A-UK-PT



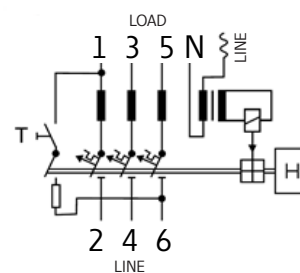
The 4th pole of the device fits over, and is insulated from, the L phase position of the neighbour circuit breaker.

Description Trip Characteristic D	Rating (A)	Sensitivity (mA)	Item no.
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mRBM4 RCBO 10A 3P+N 10kA 30mA D-curve	10	30	mRBM4-10/3/D/003-A-UK-PT
mRBM4 RCBO 16A 3P+N 10kA 30mA D-curve	16	30	mRBM4-16/3/D/003-A-UK-PT
mRBM4 RCBO 20A 3P+N 10kA 30mA D-curve	20	30	mRBM4-20/3/D/003-A-UK-PT
mRBM4 RCBO 25A 3P+N 10kA 30mA D-curve	25	30	mRBM4-25/3/D/003-A-UK-PT
mRBM4 RCBO 6A 3P+N 10kA 100mA D-curve	6	100	mRBM4-6/3/D/01-A-UK-PT
mRBM4 RCBO 10A 3P+N 10kA 100mA D-curve	10	100	mRBM4-10/3/D/01-A-UK-PT
mRBM4 RCBO 16A 3P+N 10kA 100mA D-curve	16	100	mRBM4-16/3/D/01-A-UK-PT
mRBM4 RCBO 20A 3P+N 10kA 100mA D-curve	20	100	mRBM4-20/3/D/01-A-UK-PT
mRBM4 RCBO 25A 3P+N 10kA 100mA D-curve	25	100	mRBM4-25/3/D/01-A-UK-PT

Dimensions



Connection diagram



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Eaton
Experience and Technology Centre
10 Kent Road
Mascot NSW 2020
Tel: 1300 332 866

Email: australiasales@eaton.com
www.eaton.com
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