

Catalogue No: **M6RCBM-20-30**

RCBO MOD6 3P+N 6kA 20A C CURVE 30mA TYPE AC W-90mm

Power Distribution and Protection > Circuit Breakers > Miniature Circuit Breakers and Earth Leakage Protection (RCDs and RCBOs) > MOD6 Residual Current Device > MOD6 RCD add-on module > Type AC



MOD6 RCBO, 3P + N , 6kA , 20A C Curve 30mA Type AC

- Complies with AS/NZS 61008 (RCCBs) and AS/NZ 60898 (MCBs)
- Features 6kA short circuit rating
- Type AC RCD
- 6-32A Overload protection
- 30 mA sensitivity general personnel protection applications
- C trip curve for general light and power applications
- 3P + N 90mm width
- Suits Concept One Panelboards or MOD6 busbar chassis
- Approval No. N17481 & N11974 or RCM
- For residential & commercial applications

Representative Photo Only
(actual product may vary based on configuration selections)

SPECIFICATIONS

Product Series	MOD6
Component Type Power Distribution & Protection	RCBO
Trip Curve	C
RCD Type, AS/NZS 61008/61009	AC
I_{dc} , Rated Conditional Residual Short-Circuit Current	6 kA
Tripping Time at $I_{\Delta n}$, Instantaneous	<300 ms
I_n , Rated Current at 30°C	20 A @30°C
$I_{\Delta n}$, Rated Leakage Current	30 mA
I_{cs} , Rated Service Short-Circuit Breaking Capacity, AC (IEC 60898)	100 % I_{cn}
I_{cn} , Rated Short-Circuit Capacity, 3P/4P, 230/400V AC	6 kA
Poles	3P + N
Rated Frequency	50 / 60 Hz
U_n , Nominal Operational Voltage, AC	415 V AC
U_{bmin} , Service Voltage, AC, Min	287 V AC
U_{bmax} , Service Voltage, AC, Max	440 V AC
Details, Trip Characteristics	400Hz = 1.5 x mag trip; @DC = 1.4 x mag trip
U_{imp} , Impulse Withstand Voltage, 1.2/50 μ s	6 kV, 1.2/50 μ s
Isolator Application, IEC 60947-2	Yes
Shock Duration (Max.)	5 ms
U_i , Rated Insulation Voltage	500 V (rms)
Approval(s)	N11974 N17481
Standards Compliance	AS/NZS 3111:2009 IEC 60068-2 IEC 60077-16-3 IEC 60898 IEC 60947-2 UL 94 V-2
Insulation Resistance	10000 M Ω

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Dielectric Strength	2500V V AC
Electrical Service Life at Un, In	10000 cycles
Mechanical Service Life	20000 cycles
Shock Acceleration (Max.)	40 g
Shock Rating	IEC 60077-16-3
IP Rating, Inside	IP40
Conductor Entry Position	Bottom
IP Rating, Outside	IP20
Flammability Rating (UL94)	UL 94 V-2
Wire / Conductor Size, Rigid Cable, Top, Max	16 mm ² Top
Package Quantity	1 qty
Wire / Conductor Size, Flex Cable, Top, Max	16 mm ² Top
Wire / Conductor Size, Rigid Cable, Bottom, Max	35 mm ² Bottom
Wire / Conductor Size, Flex Cable, Bottom, Max	25 mm ² Bottom
Tightening Torque, Bottom, Nominal	4.5 Nm
Accessories	No
Busbar System, Bottom	Fork Pin
Trip-Free Mechanism	Yes
Mounting	DIN-35 Rail Mount
_Utilisation Category	A
Padlockable	No
Sealable	No
Centre Trip Position	No
Height	110 mm
Width	115 mm
Depth	113 mm
Weight	0.46 kg
Neutral Pole Switched	No
Operating Temperature, Min	-5 °C min
Operating Temperature, Max	55 °C max
Storage Temperature, Min	-25 °C min
Storage Temperature, Max	55 °C max
Relative Humidity, Max	95 %RH
Vibration Acceleration (Max.)	3 m/s ²
Vibration Frequency, Operational (Max.)	80 Hz
Vibration Duration (Max.)	30 min
Vibration Rating	IEC 60068-2-6

REFERENCES

IECEx Certificate	-
Supplier Declaration of Conformity:	-
Installation Guide:	-
User Manual:	-
Manufacturer Datasheet:	-
Manufacturer Catalogue & Product Selection:	-