Catalogue No: **MOD6240**

MCB MOD6 6kA 2P 40A C CURVE

Power Distribution and Protection > Circuit Breakers > Miniature Circuit Breakers and Earth Leakage Protection (RCDs and RCBOs) > MOD6 Miniature Circuit Breaker > MOD6 6kA MCB > C-Curve (5 - 10 In)

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

MOD6 MCB, 6kA, 2P, 40A, C curve

- NHP MOD6 MCBs offering core range of quality 6kA circuit protection that has been tested to local standards and holds Australian and New Zealand approvals.

SPECIFICATIONS	
Product Series	MOD6
Component Type Power Distribution & Protection	MCB
Trip Curve	C
In, Rated Current at 30°C	40 A @30°C
Number of Poles	2
Poles	2P
Neutral Pole Protected	Yes
Rated Frequency	50 / 60 Hz Hz
Un, Nominal Operational Voltage, AC	415 V AC
Un, Nominal Operational Voltage(s), AC	415 V AC
Un, Nominal Operational Voltage, DC	110 V DC
Details, Trip Characteristics	@400Hz = 1.5 x mag. trip; @DC = 1.4 x mag. trip
Ubmin, Service Voltage, AC, Min	12 V AC
Ubmax, Service Voltage, AC, Max	440 V AC
Ubmax, Service Voltage, DC, Max	120 V DC
Selectivity Class (IEC 60898)	
Isolator Application, IEC 60947-2	Yes
Impulse Withstand Test Voltage	6 kV
Insulation Resistance	10000 MΩ
Dielectric Strength	2.5kV
Electrical Service Life at Un, In	10000 cycles
Mechanical service life	20000 cycles
Utilization Category	A
IP Rating, Inside	IP40
IP Rating, Outside	IP20
Flammability Rating (UL94)	UL 94 V-2
Wire / Conductor Size, Rigid Cable, In, Min	1 mm² In
Wire / Conductor Size, Rigid Cable, Top, Max	25 mm² Top

Wire / Conductor Size, Rigid Cable, Out, Min	1 mm² Out
Wire / Conductor Size, Flex Cable, Top, Max	25 mm² Top
Wire / Conductor Size, Flex Cable, In, Min	0.75 mm² In
Wire / Conductor Size, Rigid Cable, Bottom, Max	35 mm² Bottom
Wire / Conductor Size, Flex Cable, Out, Min	0.75 mm² Out
Wire / Conductor Size, Flex Cable, Bottom, Max	25 mm² Bottom
Tightening Torque, Top, Nominal	4.5 Nm
Tightening Torque, Bottom, Nominal	4.5 Nm
Busbar System, Top	Fork Pin
Busbar System, Bottom	Fork Pin
Trip-Free Mechanism	Yes
Mounting	DIN-35 Rail Mount
Sealable	Yes Y / N
Centre Trip Position	No Y / N
Accessories	No
Icn, Rated Short-Circuit Capacity, 2P, 230/400V AC	6 kA
Ics, Rated Service Short-Circuit Breaking Capacity, AC (IEC 60898)	100 % Icn
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 127V AC, 2P	30 kA @127VAC, 2P
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 415V AC	10 kA @415VAC
Ics, Rated Service Short-Circuit Breaking Capacity, AC (IEC 60947)	100 % Icu
Height	86 mm
Width	36 mm
Depth	76 mm
Weight	0.24 kg
Package Quantity	6 qty
Approval(s)	N17481
Neutral Pole Switched	Yes
Operating Temperature, Min	-25 °C min
Operating Temperature, Max	55 °C max
Storage Temperature, Min	-55 °C min
Storage Temperature, Max	55 °C max
Relative Humidity, Max	95 %RH
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 240V AC, 2P	20 kA @240VAC, 2P
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 415V AC, 2P	10 kA @415VAC, 2P
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 125V DC, 2P	25 kA @125VDC, 2P
Shock Acceleration (Max.)	40 g
Shock Duration (Max.)	5 ms
Shock Rating	IEC 60068-2-27
Vibration Acceleration (Max.)	3 g
Vibration Rating	IEC 60077-16-3
Standards Compliance	IEC 60898 AS/NZS 60898
Certifications	CE RCM

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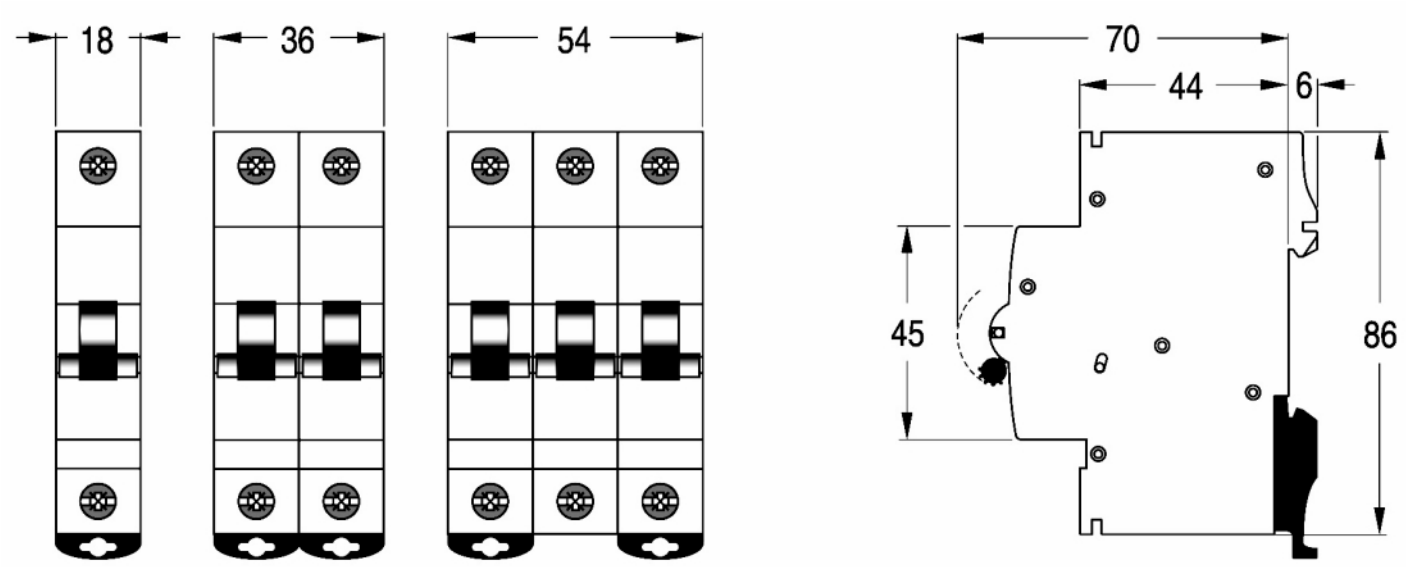
REFERENCES	
IECEx Certificate	-
Supplier Declaration of Conformity:	MOD6xxx_Supplier Declaration of Conformity (SDoC)
Installation Guide:	-
User Manual:	-
Manufacturer Datasheet:	-
Manufacturer Catalogue & Product Selection:	-



Dimension Diagram