

Catalogue No: **MOD6140**  
**MCB MOD6 6kA 1P 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, 1P, 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	1
Poles	1P
Neutral Pole Protected	No
Rated Frequency	50 / 60 Hz
Un, Nominal Operational Voltage, AC	240 V AC
Un, Nominal Operational Voltage(s), AC	230 V AC 240
Un, Nominal Operational Voltage, DC	48 V DC
U <sub>min</sub> , Service Voltage, AC, Min	12 V AC
U <sub>max</sub> , Service Voltage, AC, Max	250 V AC
U <sub>max</sub> , Service Voltage, DC, Max	53 V DC
Isolator Application, IEC 60947-2	Yes
Impulse Withstand Test Voltage	6 kV
Insulation Resistance	10000 MΩ
Dielectric Strength	2.5kV V AC
Electrical Service Life at Un, In	10000 cycles
Mechanical Service Life	20000 cycles
Utilisation 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 mm <sup>2</sup> In
Wire / Conductor Size, Rigid Cable, Top, Max	25 mm <sup>2</sup> Top
Wire / Conductor Size, Rigid Cable, Out, Min	1 mm <sup>2</sup> Out

Catalogue No: **MOD6140**  
**MCB MOD6 6kA 1P 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)



Wire / Conductor Size, Flex Cable, Top, Max	25 mm <sup>2</sup> Top
Wire / Conductor Size, Flex Cable, In, Min	0.75 mm <sup>2</sup> In
Wire / Conductor Size, Rigid Cable, Bottom, Max	25 mm <sup>2</sup> Bottom
Wire / Conductor Size, Flex Cable, Out, Min	0.75 mm <sup>2</sup> Out
Wire / Conductor Size, Flex Cable, Bottom, Max	25 mm <sup>2</sup> 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
Centre Trip Position	No
Accessories	No
Icn, Rated Short-Circuit Capacity, 1P, 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, 1P	15 kA @127VAC, 1P
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 415V AC	3 kA @415VAC
Ics, Rated Service Short-Circuit Breaking Capacity, AC (IEC 60947)	100 % Icu
Height	86 mm
Width	18 mm
Depth	76 mm
Weight	0.12 kg
Package Quantity	12 qty
Approval(s)	N17481
Neutral Pole Switched	No
Operating Temperature, Min	-25 °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
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 240V AC, 1P	10 kA @240VAC, 1P
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 415V AC, 1P	6 kA @415VAC, 1P
Icu, Rated Ultimate Short-Circuit Breaking Capacity, 60V DC, 1P	20 kA @60VDC, 1P
Shock Acceleration (Max.)	40 g
Shock Duration (Max.)	5 ms
Shock Rating	IEC 60068-2-27
Vibration Acceleration (Max.)	3 m/s <sup>2</sup>
Vibration Rating	IEC 60077-16-3
Standards Compliance	IEC 60898 AS/NZS 60898
Certifications	CE RCM

Catalogue No: **MOD6140**  
**MCB MOD6 6kA 1P 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)



REFERENCES	
IECEX Certificate	-
Supplier Declaration of Conformity:	<a href="#">MOD6xxx_Supplier Declaration of Conformity (SDoC)</a>
Installation Guide:	-
User Manual:	-
Manufacturer Datasheet:	-
Manufacturer Catalogue & Product Selection:	-



Dimension Diagram