

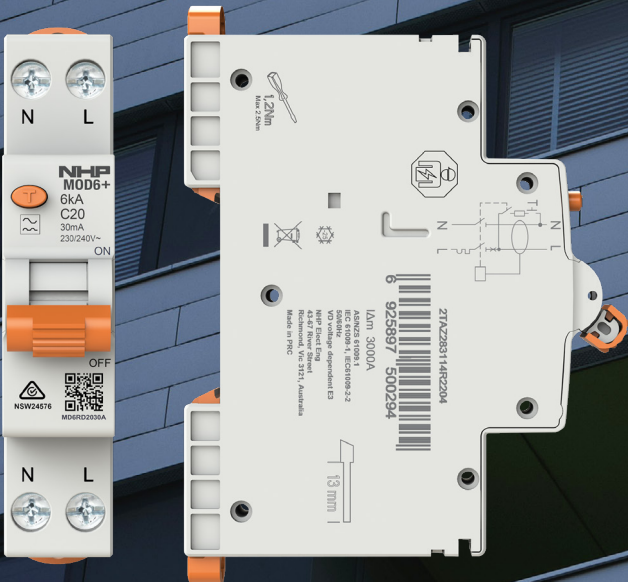
MOD6+



NHP CERTIFIED
C CURVE 6.00kA
AS/NZS TESTED

Product overview and migration guide

NHP





The **MOD6+** circuit protection range offers reliable performance and cost effective solutions for both domestic and commercial applications.

With seamless integration to **NHP MOD6+** compatible panelboards and loadcentres, the range is certified to AS/NZS standards providing a minimum genuine 6kA short circuit rating.

Certifications approvals are available online on the National Equipment and Registration System for transparency in safety and compliance.

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Product overview

 Denotes RCM compliance to AS/NZS standards
 Denotes compliance by NHP engineers

Miniature Circuit Breakers MCBs

- 6-63A models fast installation utilising standard 18mm pin busbar comb onto the bottom terminals
- New 80-125A 27mm pitch models for those higher current rating applications
- General lighting and power applications
- MD6MH features a red/green trip indicator

MD6M



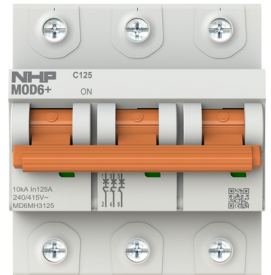
6kA, 6-63A
 1P, 2P & 3P
 C Curve
 AS/NZS 60898.1
 Suits loadcentres,
 distribution boards



MD6MH



10kA, 80-125A
 1P & 3P
 C Curve
 AS/NZS 60947-2
 Suits loadcentres



Residual Current Devices RCDs, RCCBs

- 2P RCCB fast installation utilising standard 18mm pin busbar comb onto the bottom terminals
- New AI high immunity type in 63A models
- Dual terminals top and bottom allowing linking of devices with both busbar comb and cables separately
- Switched neutral

MD6RC



2P & 4P
 Type A 40 & 63A
 New AI type 63A
 (high immunity)
 AS/NZS 61008
 Suits loadcentres



Main Switches

- Large 50mm tunnel terminals
- Fast installation utilising standard 18mm pin busbar comb onto the bottom terminals
- Quick identification with a red toggle

MD6MS



1P 80A
 1P, 2P & 3P 100A
 AS/NZS 60947-3
 Suits loadcentres,
 pole covers, M6NC chassis



Residual Current Circuit Breaker with Overcurrent RCBOs

- 6kA genuine short circuit ratings, AS/NZS 61009
- 10mA and 30mA solutions suitable for both loadcentre's and distribution panelboards
- Pigtail RCBO (MD6RS & MD6RL) fast installation utilising standard 18mm pin busbar comb onto the bottom terminals to connect both MCBs and main switches
- Double screw RCBO (MD6RD) fast installation utilising new 9mm pitch buscomb with or without a main switch
- 1P+N solutions up to 40A and 3P+N up to 63A

MD6R2



10-40A 30mA, 6-16A 10mA
1P+N switched neutral
Earth leakage trip indicator
C Curve, Type A
Suits loadcentres



MD6R4



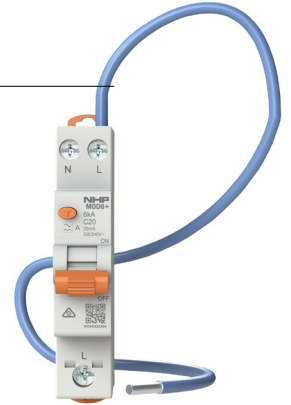
6-32A, 30mA
3P+N switched neutral
Earth leakage trip indicator
C Curve, Type A
Suits loadcentres



MD6RS



6-32A, 10mA & 30mA
1P+N switched neutral
Neutral pigtail
C Curve, Type A
Suits loadcentres,
distribution boards



MD6RD



6-32A 10mA 30mA
1P+N switched neutral
Double screw
C Curve, Type A
Suits loadcentres



MD6RL



6-40A, 30mA 1P+N
Neutral pigtail
C Curve, Type A
Functional earth
Suits distribution boards





MD6RT



6-63A, 30mA
3P+N
Neutral pigtail
C Curve, Type A
Suits distribution boards



-  Denotes certification by NHP engineers
-  Denotes compliance with EES regulations

Arc Fault Detection Devices

AFDDs

- Reduce the risk of fire with AFDD which can detect series and parallel arcing faults
- Combined AFDD and MCB models and separate AFDD and RCBO models
- Dual terminals top and bottom allowing linking of devices with both busbar comb and cables separately
- AFDD LED trip indicator
- RCBO model has blue earth leakage trip indicator
- Red/green contact position indicators

MD6AFDDM



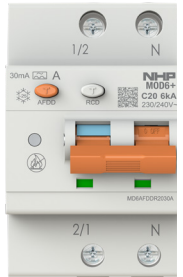
MCB model, 6-40A
 1P+N switched neutral
 C Curve
 AS/NZS 60898
 IEC 62606
 Suits loadcentres



MD6AFDDR



RCBO model, 6-20A, 30mA
 1P+N switched neutral
 C Curve, Type A
 AS/NZS 61009, IEC 62606
 Suits loadcentres



Surge Diverters

- Monobloc Design suitable for DIN Rail
- With a service life of up to 20 years, expect long-term reliability and performance.
- Available in compact 1P and 3P+N options, with visual signalling included as standard
- Remote status indication via voltage free contacts

MD6AS



1P 230V
 3P+N 400V
 20kA and 40kA
 IEC 61643-1
 IEC 61436-11
 Suits loadcentres



Busbar Combs

- Allows fast fit-out
- 1P+N & 3P+N 9mm pitch busbar comb models (MD6AB)
- 1P & 3P 18mm pitch busbar comb models (IBC/ICL)

MD6AB



9mm pitch, 80A
 1P+N, 12 & 18 way
 3P+N, 12 & 18 way
 Neutral terminal
 With/without
 MSW connection

IBC/ICL



18mm pitch 80/130A
 1P 8-57 way (IBC)
 2P 6-56 way (ICL)
 3P 12-57 way (ICL)
 4P 56 way (ICL)

Migration guide

Miniature Circuit Breakers	1 Pole		2 Pole		3 Pole	
	MOD6	→ MOD6+	MOD6	→ MOD6+	MOD6	→ MOD6+
Amperes						
6A	MOD6106	MD6M106	MOD6206	MD6M206	MOD6306	MD6M306
10A	MOD6110	MD6M110	MOD6210	MD6M210	MOD6310	MD6M310
16A	MOD6116	MD6M116	MOD6216	MD6M216	MOD6316	MD6M316
20A	MOD6120	MD6M120	MOD6220	MD6M220	MOD6320	MD6M320
25A	MOD6125	MD6M125	MOD6225	MD6M225	MOD6325	MD6M325
32A	MOD6132	MD6M132	MOD6232	MD6M232	MOD6332	MD6M332
40A	MOD6140	MD6M140	MOD6240	MD6M240	MOD6340	MD6M340
50A	MOD6150	MD6M150	MOD6250	MD6M250	MOD6350	MD6M350
63A	MOD6163	MD6M163	MOD6263	MD6M263	MOD6363	MD6M363
80A	–	MD6MH180	–	–	–	MD6MH380
100A	–	MD6MH1100	–	–	–	MD6MH3100
125A	–	MD6MH1125	–	–	–	MD6MH3125

Residual Current Devices	2 Pole		4 Pole	
	MOD6	→ MOD6+	MOD6	→ MOD6+
Amperes				
40A	MOD6RCCB24030A	MD6RC24030A	MOD6RCCB44030A	MD6RC44030A
63A	MOD6RCCB26330A	MD6RC26330A	MOD6RCCB46330A	MD6RC46330A
63A Type AI	–	MD6RC26330AI	–	MD6RC46330AI

Main Switches	1 Pole		2 Pole		3 Pole	
	MOD6	→ MOD6+	MOD6	→ MOD6+	MOD6	→ MOD6+
Amperes						
80A	MOD6MS180	MD6MS180	–	–	–	–
100A	MOD6MS1100	MD6MS1100	MOD6MS2100	MD6MS2100	MOD6MS3100	MD6MS3100

Arc Fault Detection Devices	AFDD	→	AFDD MCB 36mm	AFDD RCBO 54mm
	MOD6		MOD6+	MOD6+
Amperes				
6A	M6RCBDAFDD		MD6AFDDM6C	MD6AFDDR630A
10A	M6RCBDAFDD		MD6AFDDM10C	MD6AFDDR1030A
16A	M6RCBDAFDD		MD6AFDDM16C	MD6AFDDR1630A
20A	M6RCBDAFDD		MD6AFDDM20C	MD6AFDDR2030A
25A	M6RCBDAFDD		MD6AFDDM25C	–
32A	M6RCBDAFDD		MD6AFDDM32C	–
40A	M6RCBDAFDD		MD6AFDDM40C	–

* Replace '30' with '10' for 10mA device
 ‡ No direct substitution

Residual Current Breakers 1P+N Compact	Pigtail 30mA		Double Screw 30mA	
	Amperes	MOD6 → MOD6+	MOD6 → MOD6+	MOD6 → MOD6+
6A	M6RCBS0630CAN*	MD6RS0630A*	M6RCBD0630CAN*	MD6RD0630A*
10A	M6RCBS1030CAN*	MD6RS1030A*	M6RCBD1030CAN*	MD6RD1030A*
13A	–	MD6RS1330A	–	MD6RD1330A
16A	M6RCBS1630CAN*	MD6RS1630A*	M6RCBD1630CAN*	MD6RD1630A*
20A	M6RCBS2030CAN*	MD6RS2030A*	M6RCBD2030CAN*	MD6RD2030A*
25A	M6RCBS2530CAN*	MD6RS2530A*	M6RCBD2530CAN*	MD6RD2530A*
32A	M6RCBS3230CAN*	MD6RS3230A*	M6RCBD3230CAN*	MD6RD3230A*

Residual Current Breakers for Panelboards	1P+N 18mm longbody		3P+N 54mm longbody	
	Amperes	MOD6 → MOD6+	MOD6 → MOD6+	MOD6 → MOD6+
6A	–	MD6RL0630A	M6RCBT0630A	MD6RT0630A
10A	MOD6RCBO11030AL	MD6RL1030A	M6RCBT1030A	MD6RT1030A
16A	MOD6RCBO11630AL	MD6RL1630A	M6RCBT1630A	MD6RT1630A
20A	MOD6RCBO12030AL	MD6RL2030A	M6RCBT2030A	MD6RT2030A
25A	MOD6RCBO12530AL	MD6RL2530A	M6RCBT2530A	MD6RT2530A
32A	MOD6RCBO13230AL	MD6RL3230A	M6RCBT3230A	MD6RT3230A
40A	–	MD6RL4030A	M6RCBT4030A	MD6RT4030A
50A	–	–	M6RCBT5030A	MD6RT5030A
63A	–	–	M6RCBT6330A	MD6RT6330A

Residual Current Breakers for Loadcentres	1P+N 18mm		3P+N 54mm	
	Amperes	MOD6 → MOD6+	MOD6 → MOD6+	MOD6 → MOD6+
6A	–	–	M6RCBF0630A	MD6R40630A
10A	MOD6RCBO21030A	MD6R21030A*	M6RCBF1030A	MD6R41030A
16A	MOD6RCBO21630A	MD6R21630A*	M6RCBF1630A	MD6R41630A
20A	MOD6RCBO22030A	MD6R22030A	M6RCBF2030A	MD6R42030A
25A	MOD6RCBO22530A	MD6R22530A	M6RCBF2530A	MD6R42530A
32A	MOD6RCBO23230A	MD6R23230A	M6RCBF3230A	MD6R43230A
40A	MOD6RCBO24030A	MD6R24030A	–	–

Surge Diverters	1 Pole +N‡	1 Pole	3 Pole +N	
	Amperes	MOD6	MOD6 → MOD6+	MOD6 → MOD6+
20kA	MOD6SD120230	MOD6SD120230	MD6AS120230	MOD6SD420400 MD6AS420400
40kA	MOD6SD140230	MOD6SD140230	MD6AS140230	MOD6SD440400 MD6AS440400



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