

# Consumer Switchboards and Circuit Protection

Flexible range designed for domestic and commercial installations

POWER DISTRIBUTION AND PROTECTION



# NHP MOD6 is a flexible range of products to cater for the ever changing demands of switchboard design.

## MCBs

- Standard AS / NZS 60898
- DIN rail mounting
- Suits both loadcentres and panelboards
- General light and power applications

6 kA



6 - 63 A



1, 2, 3 POLE



## RCDs

- Standard AS / NZS 61008 RCCBs, AS / NZS 61009 RCBOs
- Loadcentre or panelboard versions
- 10 - 30 mA sensitivity
- Type A

6 kA



10 - 40 A



1P & 2P  
RCBOs



## ENCLOSURES (SWITCHBOARDS)

- Surface mount or flush mount
- Transparent door or white door
- Neutral bars suit either RCCB or RCBO

12 - 36 WAY



SURFACE OR  
FLUSH MOUNT



WHITE OR  
TRANSPARENT DOOR



## PANELBOARDS

- Standard AS / NZS 3439.3
- Compact 160 A or 250 A main switch
- 24, 36, 48, 60 and 84 way
- 400 - 1200 mm high accessory module

NEW WIDTH  
NOW 530 mm



ACCESSORY  
MODULE



HINGED  
ESCUTCHEON



## SURGE DIVERTERS

- Standard IEC 61643-1 (Class 2)
- Status indication (via flag)
- DIN rail mounting
- Thermal disconnection

DIN RAIL  
MOUNTING



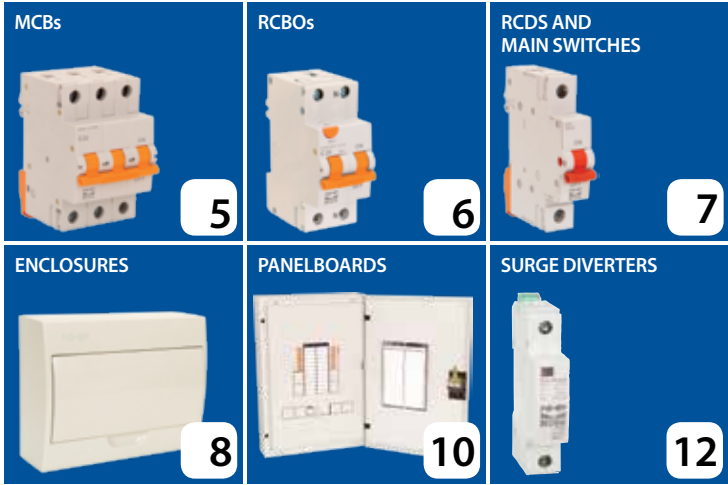
1, 2, 4 POLE



VOLT FREE CONTACT  
FOR REMOTE  
INDICATION



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The NHP MOD6 range of consumer switchboards and circuit protection are a flexible range of products designed for domestic and commercial installations.

## 6 KA 1 POLE MINIATURE CIRCUIT BREAKERS

CATALOGUE NUMBER	DESCRIPTION	WIDTH
<b>MOD6 1 06</b>	MCB 6 kA 1 P 6 A C CURVE MOD6	1
<b>MOD6 1 10</b>	MCB 6 kA 1 P 10 A C CURVE MOD6	1
<b>MOD6 1 16</b>	MCB 6 kA 1 P 16 A C CURVE MOD6	1
<b>MOD6 1 20</b>	MCB 6 kA 1 P 20 A C CURVE MOD6	1
<b>MOD6 1 25</b>	MCB 6 kA 1 P 25 A C CURVE MOD6	1
<b>MOD6 1 32</b>	MCB 6 kA 1 P 32 A C CURVE MOD6	1
<b>MOD6 1 40</b>	MCB 6 kA 1 P 40 A C CURVE MOD6	1
<b>MOD6 1 50</b>	MCB 6 kA 1 P 50 A C CURVE MOD6	1
<b>MOD6 1 63</b>	MCB 6 kA 1 P 63 A C CURVE MOD6	1



MOD6 1

## 6 KA 2 POLE MINIATURE CIRCUIT BREAKERS

CATALOGUE NUMBER	DESCRIPTION	WIDTH
<b>MOD6 2 06</b>	MCB 6 kA 2 P 6 A C CURVE MOD6	2
<b>MOD6 2 10</b>	MCB 6 kA 2 P 10 A C CURVE MOD6	2
<b>MOD6 2 16</b>	MCB 6 kA 2 P 16 A C CURVE MOD6	2
<b>MOD6 2 20</b>	MCB 6 kA 2 P 20 A C CURVE MOD6	2
<b>MOD6 2 25</b>	MCB 6 kA 2 P 25 A C CURVE MOD6	2
<b>MOD6 2 32</b>	MCB 6 kA 2 P 32 A C CURVE MOD6	2
<b>MOD6 2 40</b>	MCB 6 kA 2 P 40 A C CURVE MOD6	2
<b>MOD6 2 50</b>	MCB 6 kA 2 P 50 A C CURVE MOD6	2
<b>MOD6 2 63</b>	MCB 6 kA 2 P 63 A C CURVE MOD6	2



MOD6 2

## 6 KA 3 POLE MINIATURE CIRCUIT BREAKERS

CATALOGUE NUMBER	DESCRIPTION	WIDTH
<b>MOD6 3 06</b>	MCB 6 kA 3 P 6 A C CURVE MOD6	3
<b>MOD6 3 10</b>	MCB 6 kA 3 P 10 A C CURVE MOD6	3
<b>MOD6 3 16</b>	MCB 6 kA 3 P 16 A C CURVE MOD6	3
<b>MOD6 3 20</b>	MCB 6 kA 3 P 20 A C CURVE MOD6	3
<b>MOD6 3 25</b>	MCB 6 kA 3 P 25 A C CURVE MOD6	3
<b>MOD6 3 32</b>	MCB 6 kA 3 P 32 A C CURVE MOD6	3
<b>MOD6 3 40</b>	MCB 6 kA 3 P 40 A C CURVE MOD6	3
<b>MOD6 3 50</b>	MCB 6 kA 3 P 50 A C CURVE MOD6	3
<b>MOD6 3 63</b>	MCB 6 kA 3 P 63 A C CURVE MOD6	3



MOD6 3

## RCBOs

**NHP**

### 6 KA RCBOs (SAFETY SWITCH + MCB) 1 POLE PANELBOARD MODEL - UNSWITCHED NEUTRAL



MOD6 RCBO 1

CATALOGUE NUMBER	DESCRIPTION	WIDTH
<b>MOD6 RCBO 1 1030 A</b>	RCBO 6 kA 1 P 10 A 30 mA MOD6	1
<b>MOD6 RCBO 1 1630 A</b>	RCBO 6 kA 1 P 16 A 30 mA MOD6	1
<b>MOD6 RCBO 1 2030 A</b>	RCBO 6 kA 1 P 20 A 30 mA MOD6	1
<b>MOD6 RCBO 1 2530 A</b>	RCBO 6 kA 1 P 25 A 30 mA MOD6	1
<b>MOD6 RCBO 1 3230 A</b>	RCBO 6 kA 1 P 32 A 30 mA MOD6	1

### 6 KA RCBOs (SAFETY SWITCH + MCB) 2 POLE - 30 MA LOADCENTRE MODEL - SWITCHED NEUTRAL



MOD6 RCBO 2

CATALOGUE NUMBER	DESCRIPTION	WIDTH
<b>MOD6 RCBO 2 1030 A</b>	RCBO 6 kA 2 P 10 A 30 mA MOD6	2
<b>MOD6 RCBO 2 1630 A</b>	RCBO 6 kA 2 P 16 A 30 mA MOD6	2
<b>MOD6 RCBO 2 2030 A</b>	RCBO 6 kA 2 P 20 A 30 mA MOD6	2
<b>MOD6 RCBO 2 2530 A</b>	RCBO 6 kA 2 P 25 A 30 mA MOD6	2
<b>MOD6 RCBO 2 3230 A</b>	RCBO 6 kA 2 P 32 A 30 mA MOD6	2
<b>MOD6 RCBO 2 4030 A</b>	RCBO 6 kA 2 P 40 A 30 mA MOD6	2

### 6 KA RCBOs (SAFETY SWITCH + MCB) 2 POLE - 10 MA LOADCENTRE MODEL - SWITCHED NEUTRAL



MOD6 RCBO 2

CATALOGUE NUMBER	DESCRIPTION	WIDTH
<b>MOD6 RCBO 2 0610 A</b>	RCBO 6 kA 2 P 6 A 10 mA MOD6	2
<b>MOD6 RCBO 2 1010 A</b>	RCBO 6 kA 2 P 10 A 10 mA MOD6	2
<b>MOD6 RCBO 2 1610 A</b>	RCBO 6 kA 2 P 16 A 10 mA MOD6	2
<b>MOD6 RCBO 2 2010 A</b>	RCBO 6 kA 2 P 20 A 10 mA MOD6	2

## RCDs and MAIN SWITCHES

**NHP**

### RCCBS (SAFETY SWITCHES)

CATALOGUE NUMBER	DESCRIPTION	WIDTH
<b>MOD6 RCCB 2 4030 A</b>	RCCB 6 kA 2 P 40 A 30 mA MOD6	2
<b>MOD6 RCCB 2 6330 A</b>	RCCB 6 kA 2 P 63 A 30 mA MOD6	2
<b>MOD6 RCCB 4 4030 A</b>	RCCB 6 kA 4 P 40 A 30 mA MOD6	4
<b>MOD6 RCCB 4 6330 A</b>	RCCB 6 kA 4 P 63 A 30 mA MOD6	4



MOD6 RCCB 4

### MAIN SWITCHES (ISOLATORS)

CATALOGUE NUMBER	DESCRIPTION	WIDTH
<b>MOD6 MS 1 80</b>	MAIN SWITCH 1 P 80 A MOD6	1
<b>MOD6 MS 1 100</b>	MAIN SWITCH 1 P 100 A MOD6	1
<b>MOD6 MS 2 100</b>	MAIN SWITCH 2 P 100 A MOD6	2
<b>MOD6 MS 3 100</b>	MAIN SWITCH 3 P 100 A MOD6	3



MOD6 MS 1

## ENCLOSURES (SWITCHBOARD) IP 40

### POLE COVERS

DESCRIPTION	CATALOGUE NUMBER
POLE COVER 1P DIN	<b>CSPC1</b>
POLE COVER 2P DIN	<b>CSPC2</b>
POLE COVER 4P DIN	<b>CSPC4</b>

No Earth or Neutral bars

### LOADCENTRES

DESCRIPTION	CATALOGUE NUMBER
8 WAY SURFACE TRANSPARENT DOOR	<b>CSB08ST</b>
8 WAY SURFACE WHITE DOOR	<b>CSB08SW</b>

Split neutral bar - 4/4 earth bar - 8 way

Comes with busbar comb

### DIMENSIONS

WIDTH (W)	HEIGHT (H)	DEPTH (D)	CATALOGUE NUMBER
32 mm	130 mm	62 mm	CSPC1
50 mm	130 mm	62 mm	CSPC2
86 mm	130 mm	62 mm	CSPC4
185 mm	130 mm	94 mm	CSB08



## ENCLOSURES (SWITCHBOARD) IP 40



### 12 WAY\*

CATALOGUE NUMBER	DESCRIPTION
CSB-12-ST	12 WAY SURFACE TRANSPARENT DOOR
CSB-12-SW	12 WAY SURFACE WHITE DOOR
CSB-12-FT	12 WAY FLUSH TRANSPARENT DOOR
CSB-12-FW	12 WAY FLUSH WHITE DOOR

Split neutral bar - 5 / 3 / 3 Earth bar - 12 way



CSB-12-SW

### 18 WAY\*

CATALOGUE NUMBER	DESCRIPTION
CSB-18-ST	18 WAY SURFACE TRANSPARENT DOOR
CSB-18-SW	18 WAY SURFACE WHITE DOOR
CSB-18-FT	18 WAY FLUSH TRANSPARENT DOOR
CSB-18-FW	18 WAY FLUSH WHITE DOOR

Split neutral bar - 9 / 3 / 3 / 3 Earth bar - 18 way



CSB-18-SW

### 24 WAY\*

CATALOGUE NUMBER	DESCRIPTION
CSB-24-ST	24 WAY SURFACE TRANSPARENT DOOR
CSB-24-SW	24 WAY SURFACE WHITE DOOR
CSB-24-FT	24 WAY FLUSH TRANSPARENT DOOR
CSB-24-FW	24 WAY FLUSH WHITE DOOR

Split neutral bar - 10 / 3 / 3 / 3 / 3 Earth bar - 24 way



CSB-24-SW

### 36WAY\*

CATALOGUE NUMBER	DESCRIPTION
CSB-36-ST	36 WAY SURFACE TRANSPARENT DOOR
CSB-36-SW	36 WAY SURFACE WHITE DOOR
CSB-36-FT	36 WAY FLUSH TRANSPARENT DOOR
CSB-36-FW	36 WAY FLUSH WHITE DOOR

Split neutral bar - 12 / 12 / 12 Earth bar - 36 way



CSB-36-SW

## PANELBOARDS

- Standard AS / NZS 3439.3
- Compact 160 A or 250 A main switch
- Bottom fed
- Neutral colour scheme - Oyster grey (RAL 7035)
- The door and escutcheon are field changeable from right to left hand hinged
- Accessory modules
- 16 modules extra DIN equipment



### PANELBOARDS NO MAINSWITCH

(SUITS MOD6 MCBS AND RCBOs)

POLE CAP	BOX SIZE	HEIGHT (MM)	CATALOGUE NUMBER
24	1	650	<b>M6PB24BF</b>
36	2	750	<b>M6PB36BF</b>
48	3	850	<b>M6PB48BF</b>
60	4	950	<b>M6PB60BF</b>
84	5	1200	<b>M6PB84BF</b>



M6PB36BF

### PANELBOARDS 160 A MAINSWITCH

(SUITS MOD6 MCBS AND RCBOs)

POLE CAP	BOX SIZE	HEIGHT (MM)	CATALOGUE NUMBER
24	1	650	<b>M6PB24M160BF</b>
36	2	750	<b>M6PB36M160BF</b>
48	3	850	<b>M6PB48M160BF</b>
60	4	950	<b>M6PB60M160BF</b>
84	5	1200	<b>M6PB84M160BF</b>

### PANELBOARDS 250 A MAINSWITCH

(SUITS MOD6 MCBS AND RCBOs)

POLE CAP	BOX SIZE	HEIGHT (MM)	CATALOGUE NUMBER
24	1	650	<b>M6PB24M250BF</b>
36	2	750	<b>M6PB36M250BF</b>
48	3	850	<b>M6PB48M250BF</b>
60	4	950	<b>M6PB60M250BF</b>
84	5	1200	<b>M6PB84M250BF</b>

Refer page 13 for accessory modules, flush kits and gear trays

# PANELBOARD ACCESSORIES

## ACCESSORY MODULES

(SUITS MOD6 MCB AND RCBOs)

POLE CAP	BOX SIZE	HEIGHT (MM)	CATALOGUE NUMBER
-	0	400	<b>M6ACCS0*</b>
-	1	650	<b>M6ACCS1*</b>
-	2	750	<b>M6ACCS2*</b>
-	3	850	<b>M6ACCS3*</b>
-	4	950	<b>M6ACCS4*</b>
-	5	1200	<b>M6ACCS5*</b>
21	0	400	<b>M6ACC21</b>
42	0	400	<b>M6ACC42</b>
63	1	650	<b>M6ACC63</b>

\* complete with gear tray and blank escutcheon

## FLUSH KITS

BOX SIZE	CATALOGUE NUMBER
0	<b>M6PBFK0</b>
1	<b>M6PBFK1</b>
2	<b>M6PBFK2</b>
3	<b>M6PBFK3</b>
4	<b>M6PBFK4</b>
5	<b>M6PBFK5</b>

## GEAR TRAYS

BOX SIZE	CATALOGUE NUMBER
0	<b>M6PBGTS0</b>
1	<b>M6PBGTS1</b>
2	<b>M6PBGTS2</b>
3	<b>M6PBGTS3</b>
4	<b>M6PBGTS4</b>
5	<b>M6PBGTS5</b>

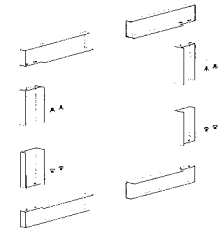
## ACCESSORIES

CATALOGUE NUMBER	DESCRIPTION
<b>IBC112P</b>	12 WAY SINGLE PHASE PIN BUSBAR
<b>IBC118P</b>	18 WAY SINGLE PHASE PIN BUSBAR
<b>ICL102</b>	10 WAY TWO PHASE PIN BUSBAR
<b>ICL123</b>	12 WAY THREE PHASE PIN BUSBAR
<b>ICL183</b>	18 WAY THREE PHASE PIN BUSBAR
<b>DTPF</b>	POLE FILLER - 4 MODULES
<b>DTTAX16PN3</b>	3 WAY NEUTRAL LINK SUIT RCCB
<b>ICL561F</b>	57 WAY SINGLE PHASE FORK BUSBAR
<b>DTLD</b>	LOCK DOG (NON-CAPTIVE)
<b>CPELK1W</b>	EMERGENCY LIGHTING KIT

\* Switchboards supplied complete with busbar comb



M6ACCS0



Flush Kit



IBC112P



DTTAX16PN3



DTLD

## SURGE DIVERTERS

- Standard IEC 61643-1 (Class 2)
- Status indication (via flag)
- DIN rail mounting
- Thermal disconnection
- Remote indication (via volt free contact)



### SURGE DIVERTERS 1 POLE

CATALOGUE NUMBER	DESCRIPTION	MODULES (18MM WIDE)
<b>MOD6-SD1-20-230</b>	1P 20 kA MOD6 SURGE DIVERTER	1
<b>MOD6-SD1-40-230</b>	1P 40 kA MOD6 SURGE DIVERTER	1

### SURGE DIVERTERS 2 POLE

CATALOGUE NUMBER	DESCRIPTION	MODULES (18MM WIDE)
<b>MOD6-SD2-20-230</b>	1P+N 20 kA MOD6 SURGE DIVERTER	2
<b>MOD6-SD2-40-230</b>	1P+N 40 kA MOD6 SURGE DIVERTER	2

### SURGE DIVERTERS 4 POLE

CATALOGUE NUMBER	DESCRIPTION	MODULES (18MM WIDE)
<b>MOD6-SD4-20-400</b>	3P+N 20 kA MOD6 SURGE DIVERTER	4
<b>MOD6-SD4-40-400</b>	3P+N 40 kA MOD6 SURGE DIVERTER	4

## TECHNICAL DATA (MCBs)

NHP



1 P, 2 P & 3 P MCBs

Approval No.		N17481
Standards	AS/NZS 60898	
Tripping characteristics		C
Nominal current		6 - 63 A
Calibration temperature		30 °C
Number of poles		1 / 2 / 3
Nominal voltage AC 1 P		240 V
AC 2 P / 3 P		415 V
DC 1 P		48 V DC
DC 2 P (poles in series)		110 V DC
Frequency		50/60 Hz
Max voltage between two wires		250/440 V
Min service voltage		12 V
Dielectric class		3
Isolation application (AS/NZS 60947-2)		Yes
Rated insulation voltage	pollution degree 2	500 V
	pollution degree 3	400 V
Impulse withstand test voltage		6 kV
Insulation resistance (Mohm)		10,000
Dielectric rigidity (V)		2.500
Vibration resistance		3 g
Endurance (operations)	electrical	10,000
	mechanical	20,000
Utilisation category		A
Protection degree	outside enclosure	IP 20
	inside enclosure	IP 40
Self extinguishing degree (UL94)		V 2
Tropicalisation (IEC 60068-2) °C/RH		+55 / 95 %
Operating temperature		-25 / +55 °C
Storage temperature		-55 / +55 °C
Temperature derating		Refer NHP
Terminal capacity (top and bottom) min / max		1 / 25 mm
Terminal torque		4.5 Nm
Busbar systems		Fork or Pin
Accessories		No
Dimensions (mm)		76 (H) 86 (L) 18 (W)
Weight		120 g per pole

### SHORT CIRCUIT CAPACITY AC IN kA

I <sub>cn</sub>	1 P	6
	2 P	6
	3 P	6
I <sub>cs</sub>		100 % I <sub>cu</sub>

## TECHNICAL DATA (RCDs)



	<b>RCCBs</b>	<b>2 POLE RCBOs</b>
Approval no.	N17482	N17482
Standards	AS/NZS 61008 - 1	AS/NZS 61009 - 1
Magnetic tripping characteristics	-	C
Residual tripping characteristics	A	A
Rated current (A)	40 - 63	10 - 32
Rated residual current	30 mA	30 mA
Calibration temperature	30 °C	30 °C
Rated voltage	2 P 4 P	240 V 415 V -
Frequency (HZ)	50 / 60	50 / 60
Maximum service voltage	2 P=265, 4 P=455	255
Minimum service voltage	2 P=110, 4 P=190	100
Power supply (line side)	Top / Bottom	Top / Bottom
Selectivity class	-	3
Residual making and breaking capacity	500 A	6 kA
Short circuit capacity	-	6 kA
Isolation application (IEC 60947-2)	Yes	Yes
Insulation resistance (Mohm)	1,000	1,000
Insulation voltage (V)	500	500
Dielectric rigidity (V)	2,500	2,500
Vibration resistance	1.5 g	1.5 g
Endurance (operations)	electrical mechanical	10,000 20,000
Protection degree	outside inside enclosure	IP 20 IP 40
Self extinguishing degree (UL 94)	V 2	V 2
Tropicalisation (IEC 60068-2)	+55 °C / 95 % RH	+55 °C / 95 % RH
Operating temperature	-5 / +55 °C	-5 / +55 °C
Storage temperature	-25 / +70 °C	-25 / +70 °C
Terminal capacity (top & bottom) min / max	1.5 / 50 mm	1 / 25 mm
Terminal torque (top / bottom) (Nm)	5 / 5	3 / 4
Busbar systems	Yes	Yes
Accessories	No	No
Dimensions (mm)	76 (H) 86 (L) 36/72 (W)	76 (H) 86 (L) 36 (W)
Weight (g)	2 P=250, 4 P=368	250



### 1 POLE RCBOs

N21915

AS/NZS 61009 - 1

C

A

10 - 32

30 mA

30 °C

240 V (1 P)

-

50 / 60

255

100

Bottom

3

6 kA

6 kA

Yes

1,000

500

2,500

1.5 g

10,000

20,000

IP 20

IP 40

V 2

+55 °C / 95 % RH

-5 / +55 °C

-25 / +70 °C

1 / 25 mm

3 / 3

Yes

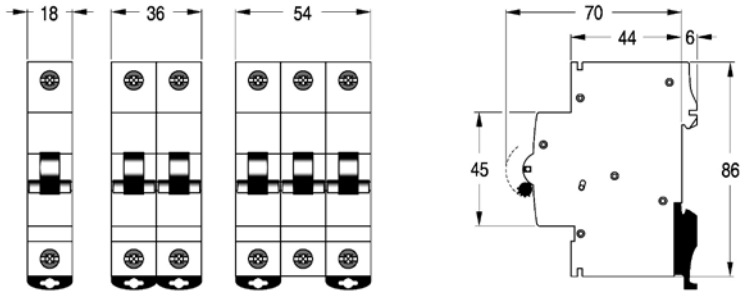
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76 (H) 112 (L) 18 (W)

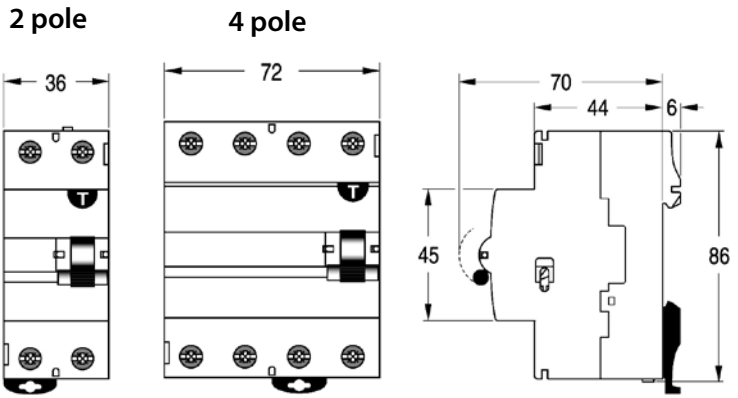
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**DIMENSIONS IN MM (MCBs)**



**DIMENSIONS IN MM (RCCBs)**

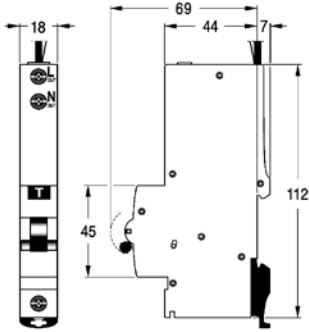




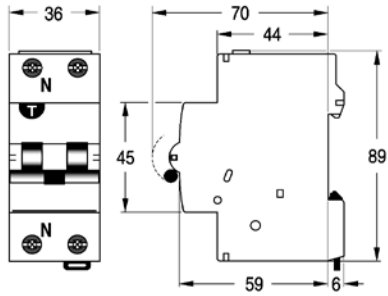
# DIMENSIONS IN MM (RCBOs)



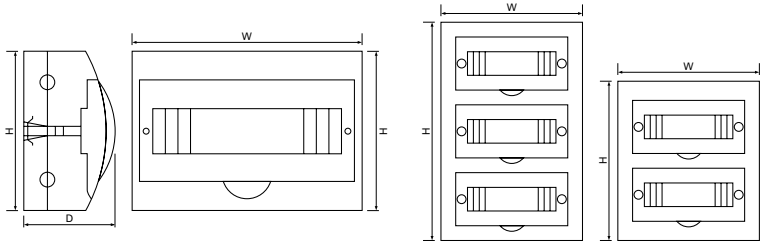
### 1 pole



### 2 pole



## DIMENSIONS IN MM (ENCLOSURES)



### 12 WAY

ENCLOSURE TYPE	WIDTH (W)	HEIGHT (H)	DEPTH (D)
SURFACE	256	200	97
FLUSH - BASE	270	211	66
FLUSH - COVER	304	246	29

### 18 WAY

ENCLOSURE TYPE	WIDTH (W)	HEIGHT (H)	DEPTH (D)
SURFACE	363	220	97
FLUSH - BASE	380	232	76
FLUSH - COVER	412	267	29

### 24 WAY

ENCLOSURE TYPE	WIDTH (W)	HEIGHT (H)	DEPTH (D)
SURFACE	269	326	97
FLUSH - BASE	270	304	76
FLUSH - COVER	305	358	29

### 36 WAY

ENCLOSURE TYPE	WIDTH (W)	HEIGHT (H)	DEPTH (D)
SURFACE	306	473	102
FLUSH - BASE	308	470	76
FLUSH - COVER	342	503	29

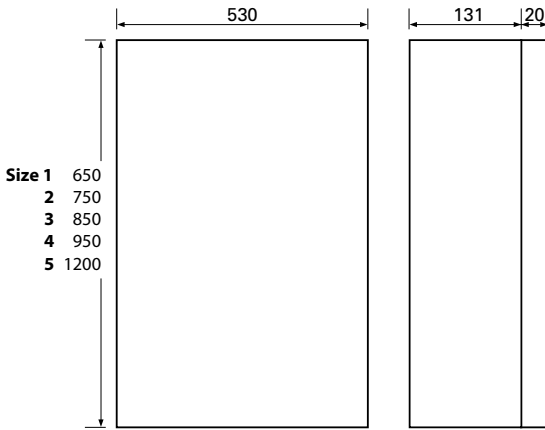
### FLUSH ENCLOSURE - CUTOUT DIMENSIONS

ENCLOSURE TYPE	WIDTH (W)	HEIGHT (H)	ENCLOSURE TYPE	WIDTH (W)	HEIGHT (H)
12 WAY	259	199	24 WAY	259	311
18 WAY	365	213	36 WAY	296	458

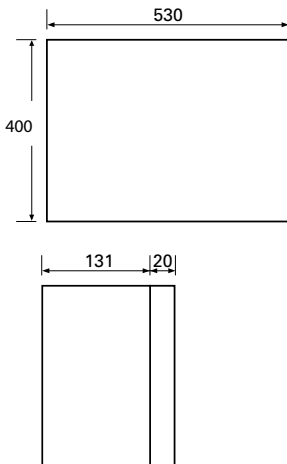
## TECHNICAL DATA & DIMENSIONS IN MM (PANELBOARDS)

Material type	1 mm steel
Finish	Polyester powder coated
Colour	Oyster grey (RAL 7035)
Protection degree	IP 30 without door IP 40 with door
Busbar ratings	250 A 20 kA for 0.2 seconds
Main switches	160 A 3 pole 415 V AC top mount 250 A 3 pole 415 V AC top mount

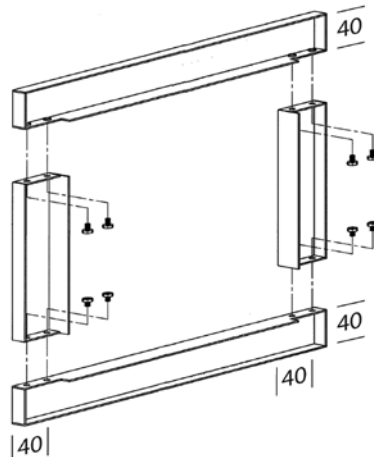
**NHP**



### ACCESSORY MODULE



### FLUSH KIT



## TECHNICAL DATA (SURGE DIVERTERS)



**MOD6-SD1-20-230**



**MOD6-SD1-40-230**



**MOD6-SD2-20-230**

EN61643-11 / IEC61643-1	Type 2 / Class 2	Type 2 / Class 2	Type 2 / Class 2
Nominal Voltage	230 V	230 V	230/400 V
Maximum Continuous operating voltage(L-N)	320 V	275 V	320 V
Maximum Continuous operating voltage(N-PE)	-	-	255 V
Maximum discharge current	20 kA	40 kA	20 kA
Nominal discharge current	10 kA	20 kA	10 kA
Voltage protection level (L-N)	≤1.4 kV	≤1.3 kV	≤1.4 kV
Voltage protection level (N-PE)	-	-	≤1.5 kV
Maximum backup fuse	63 A	80 A	63 A
Short circuit withstand	25 kA	25 kA	25 kA
Response time (L-N)	25 ns	25 ns	25 ns
Response time (N-PE)	-	-	100 ns
Remote monitoring		Included in all models	
End of life indication		Included in all models	



**MOD6-SD2-40-230**



**MOD6-SD4-20-400**



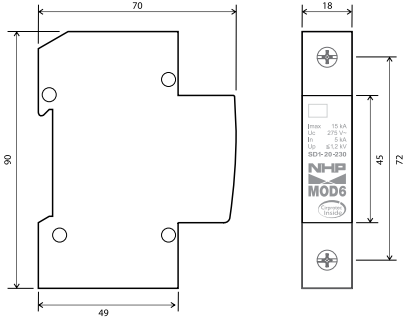
**MOD6-SD4-40-400**

EN61643-11 / IEC61643-1	Type 2 / Class 2	Type 2 / Class 2	Type 2 / Class 2
Nominal Voltage	230/400 V	230/400 V	230/400 V
Maximum Continuous operating voltage(L-N)	275 V	320 V	275 V
Maximum Continuous operating voltage(N-PE)	265 V	255 V	265 V
Maximum discharge current	40 kA	20 kA	40 kA
Nominal discharge current	20 kA	10 kA	20 kA
Voltage protection level (L-N)	≤1.3 kV	≤1.4 kV	≤1.3 kV
Voltage protection level (N-PE)	≤1.5 kV	≤1.5 kV	≤1.5 kV
Maximum backup fuse	80 A	63 A	80 A
Short circuit withstand	25 kA	25 kA	25 kA
Response time (L-N)	25 ns	25 ns	25 ns
Response time (N-PE)	100 ns	100 ns	100 ns
Remote monitoring		Included in all models	
End of life indication		Included in all models	

# DIMENSIONS IN MM (SURGE DIVERTERS)



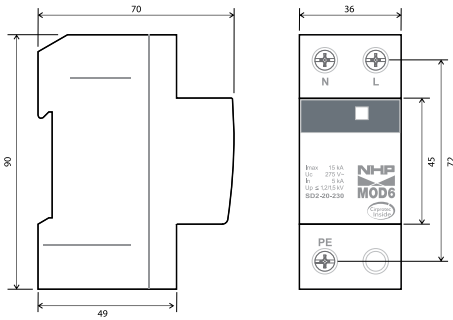
## SURGE DIVERTERS 1 POLE



MOD6-SD1-20-230

MOD6-SD1-40-230

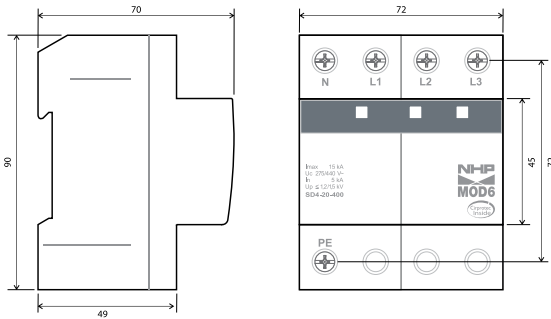
## SURGE DIVERTERS 2 POLE



MOD6-SD2-20-230

MOD6-SD2-40-230

## SURGE DIVERTERS 4 POLE

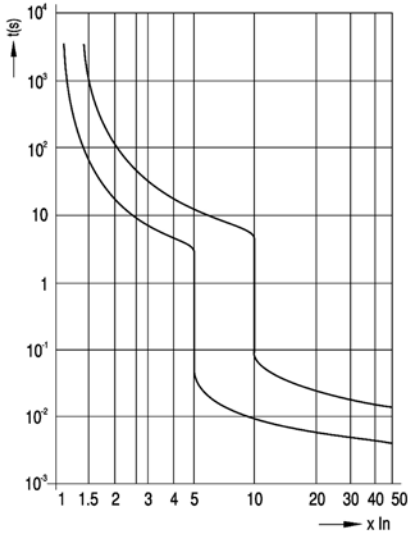


MOD6-SD4-20-400

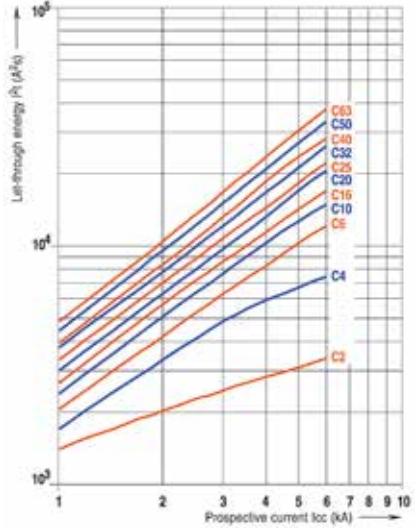
MOD6-SD4-40-400

CURVES (MCBs)

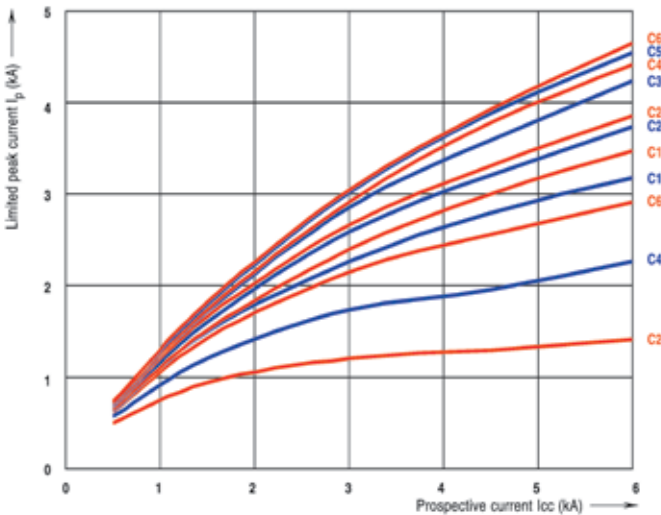
TIME/CURRENT



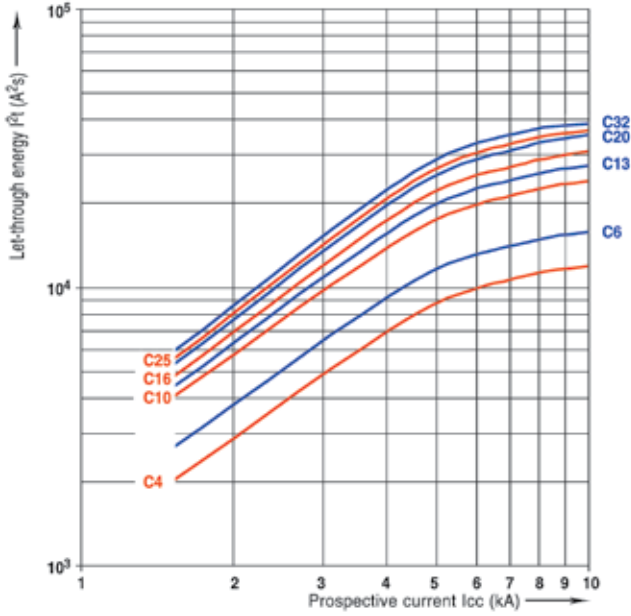
I<sup>2</sup>t LET THROUGH ENERGY



I<sub>p</sub> LIMITED PEAK CURRENT



I<sup>2</sup>t LET THROUGH ENERGY 1 AND 2 POLE RCBOs





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