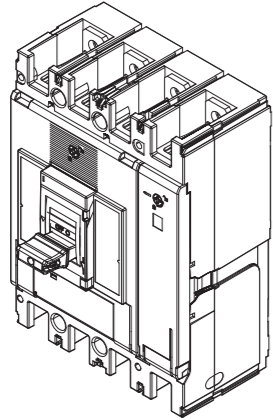


INSTALLATION INSTRUCTIONS MOULDED CASE CIRCUIT BREAKERS TEMBREAK PRO P400 4P BASIC ELECTRONIC



NHP Electrical Engineering Products Pty Ltd
A.B.N. 84 004 304 812
AUS 1300 NHP NHP | nhp.com.au
NZ 0800 NHP NHP | nhp-nz.com

TOOLS REQUIRED (NOT included)

- T1 Screwdriver Flathead (5mm)
- T2 Screwdriver Phillips (#2)
- T3 19mm Socket wrench
- T4 8mm Allen key Socket wrench
- T5 19mm Ring Spanner

HARDWARE (included)

- A M10x30 Socket Screw (8 qty)
- B M10 spring washer (8 qty)
- C M10 flat washer (8 qty)
- D M6x100 mounting screws (4 qty)
- E Interpole Barriers (3 qty)
- Instruction Manual (This Document)

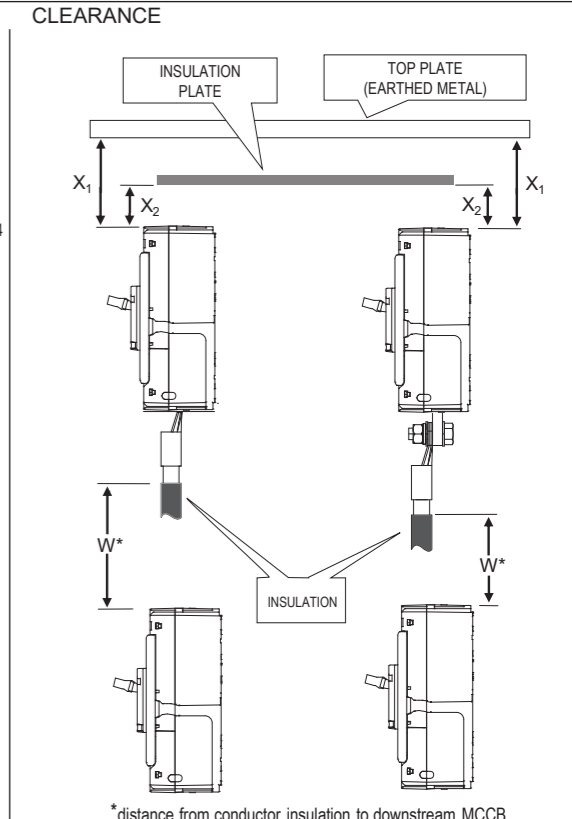
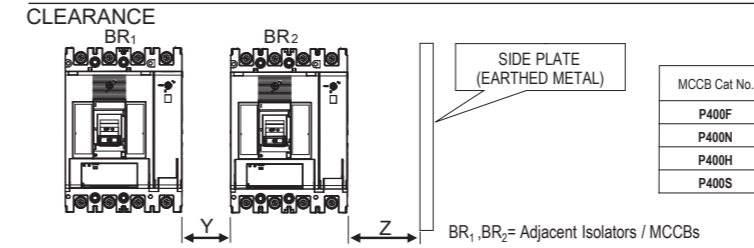
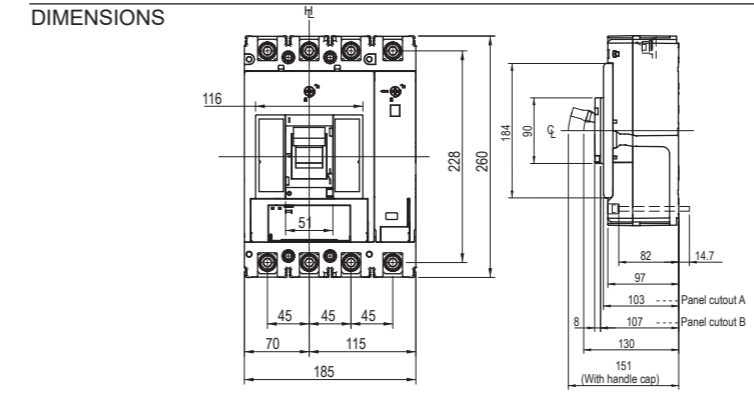
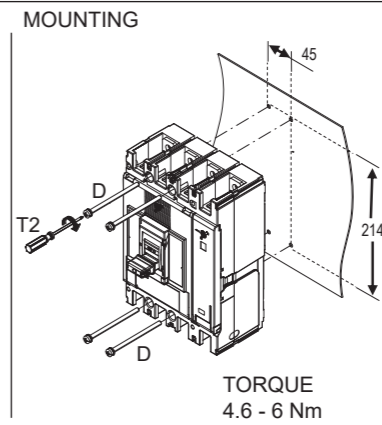
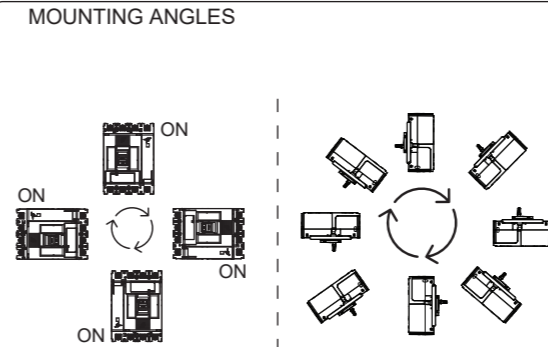
HARDWARE (NOT included)

- F Cable Lug or Copper Bar
- G *M12x35 hex bolt (8 qty)
- H *M12 flat washer (8 qty)
- I *M12 Belleville washer (8 qty)
- J *M12 nut (8 qty)

*For extension bar connection only

OPTIONAL (NOT included)

- K Extension Bars
- L Terminal Covers
- M Terminal Cover Lock
- N Handle Lock
- Internal Accessories

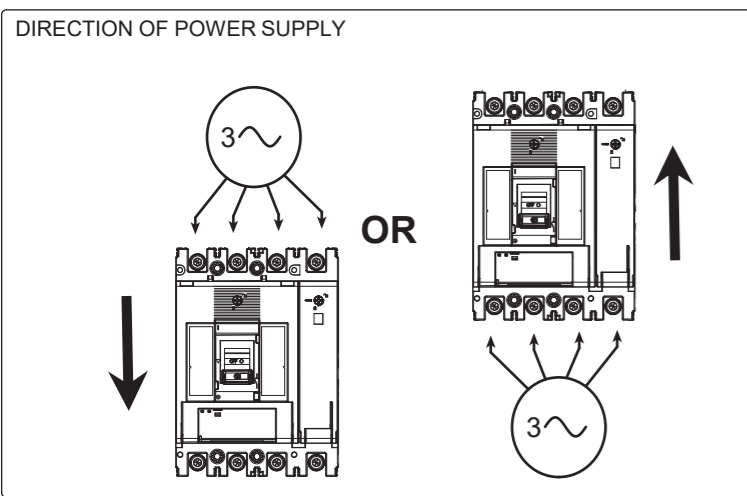


MCCB Cat No.	W* min (mm)	X ₁ min (mm)	X ₂ min (mm)
P400F			
P400N	100	80	60
P400H			
P400S	120	120	80

OPERATING INSTRUCTIONS

Operation Force (Nm)

OFF → ON	150
ON → OFF	130
TRIP → OFF	162



INTERNAL ACCESSORIES ASSEMBLY PROCEDURE*

STEP 1 TRIP MCCB

STEP 2 OPEN COVER

STEP 3 IDENTIFY TRIP BAR & MECHANISM

STEP 4.1 UVT/SHUNT INSTALLATION

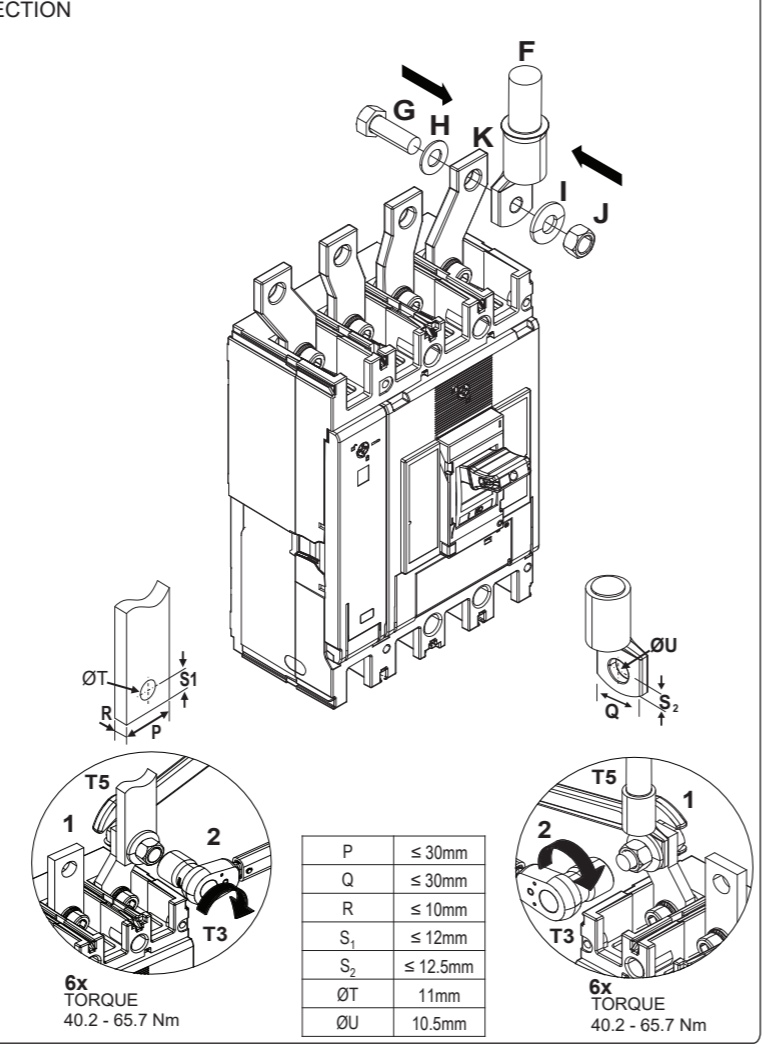
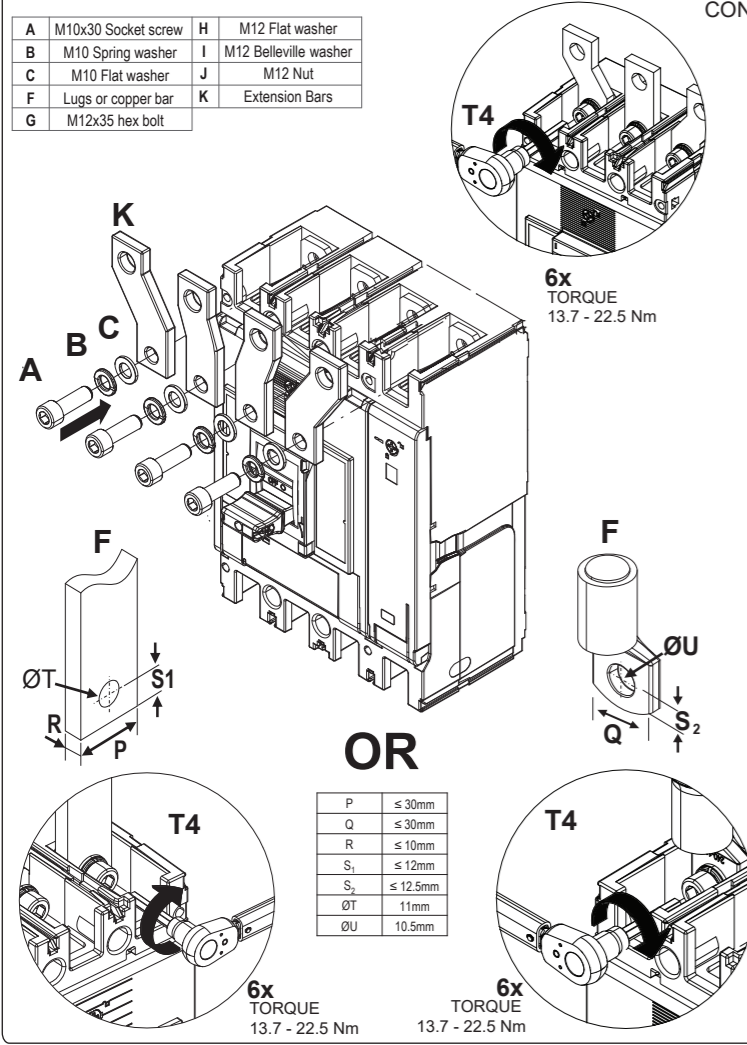
STEP 4.2 ALARM INSTALLATION

STEP 5 CLOSE MCCB COVER

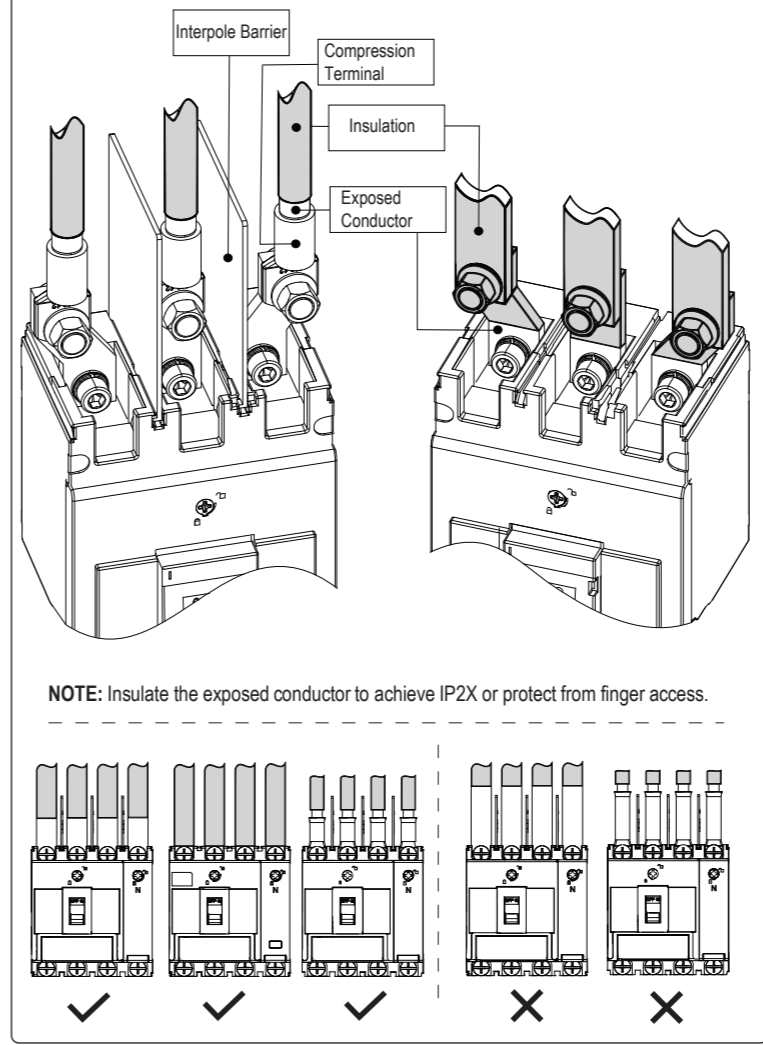
*For additional internal accessory installations, scan QR code and refer to user manual for more details

CONDUCTOR CONNECTION PROCEDURE -- FRONT CONNECTION -- EXTENSION BAR CONNECTION PROCEDURE

- A M10x30 Socket screw
- B M10 Spring washer
- C M10 Flat washer
- F Lugs or copper bar
- G M12x35 hex bolt
- H M12 Flat washer
- I M12 Belleville washer
- J M12 Nut
- K Extension Bars



TOPSIDE INSULATION RECOMMENDATIONS - 415 / 440V AC



TRIP UNIT ADJUSTMENT PROCEDURE

Protection Settings		
L	I_{r1} I_{r2}	Threshold Long Time Protection (Rated Current)
	t_r	Long Time Delay (Time Delay)
S	I_{sd}	Threshold Short Time Protection
	t_{sd}	Short Time Delay
	I^2t ON / OFF	I^2t curve on Short delay protection activated or not
I	I_i	Instantaneous Protection Threshold
GF	I^2t ON/OFF	I^2t curve on Earth Protection Activated (ON) or not activated. (OFF)

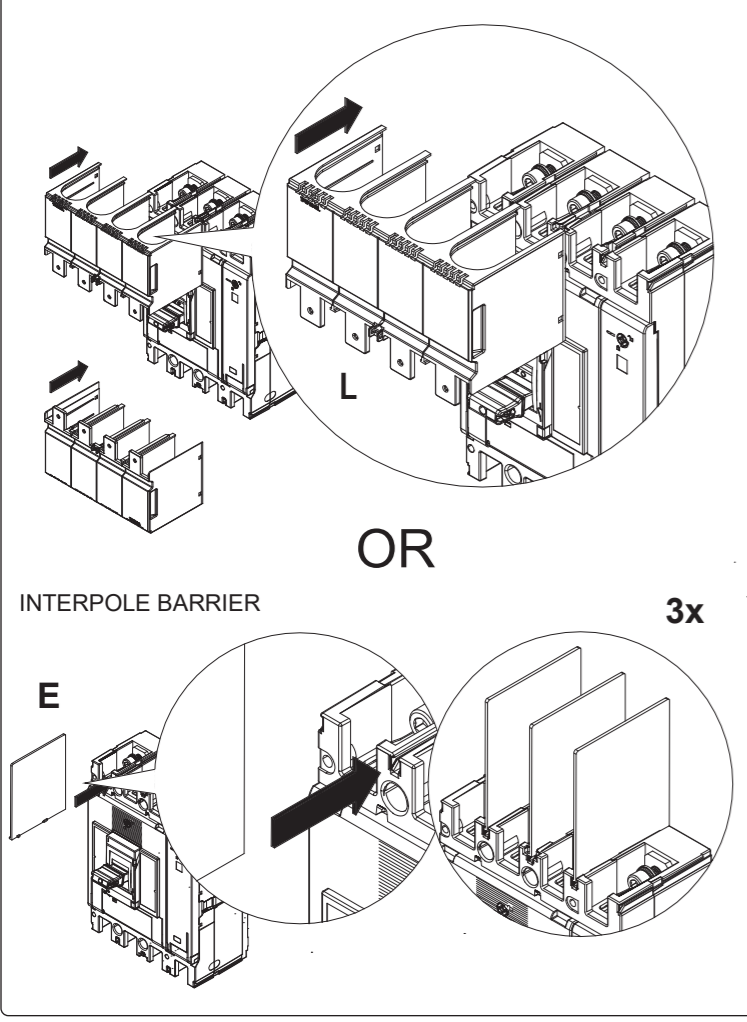
NOTE: The I_r (Rated Current) threshold is firstly set using the I_{r1} MAX adjustment dial. If necessary, fine adjustments of 1% increments of I_{r1} are possible using the I_{r2} dial from 0.92 to 1.

NOTE: The t_r time delay defines the trip time of the long-time delay protection for a current of $6 \times I_r$.

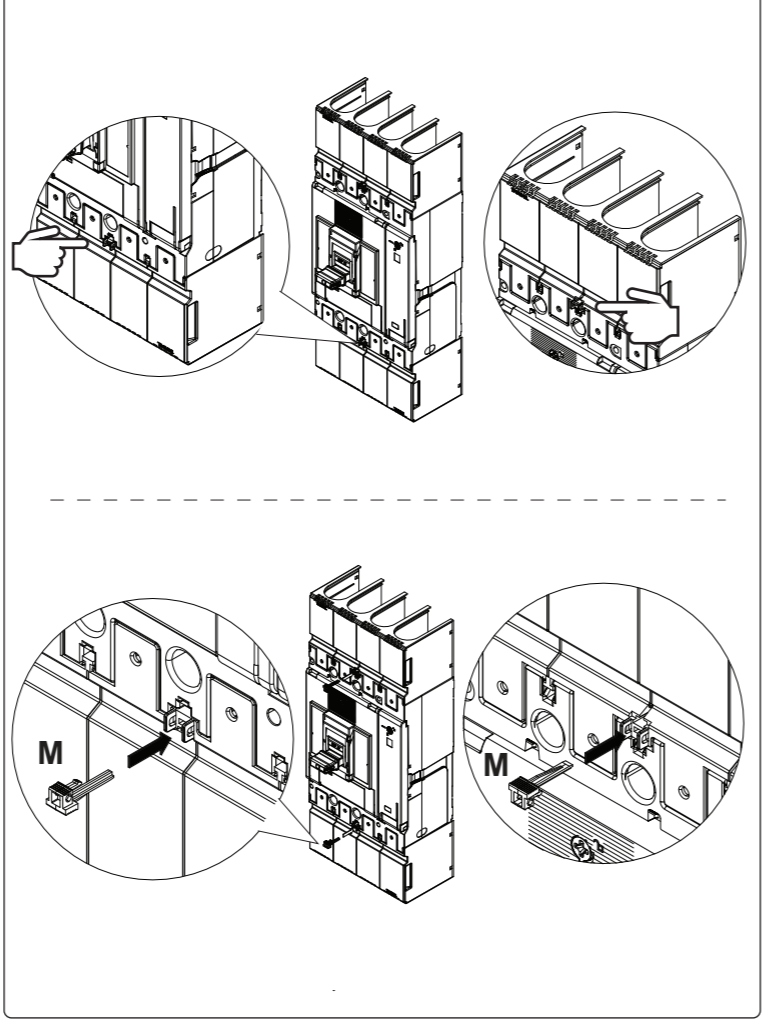
NOTE: The Ground Fault Protection can be turned ON and OFF using the GF dial for a current of $0.4 \times I_n$.

FOR MORE INFORMATION, PLEASE SCAN THE QR CODE

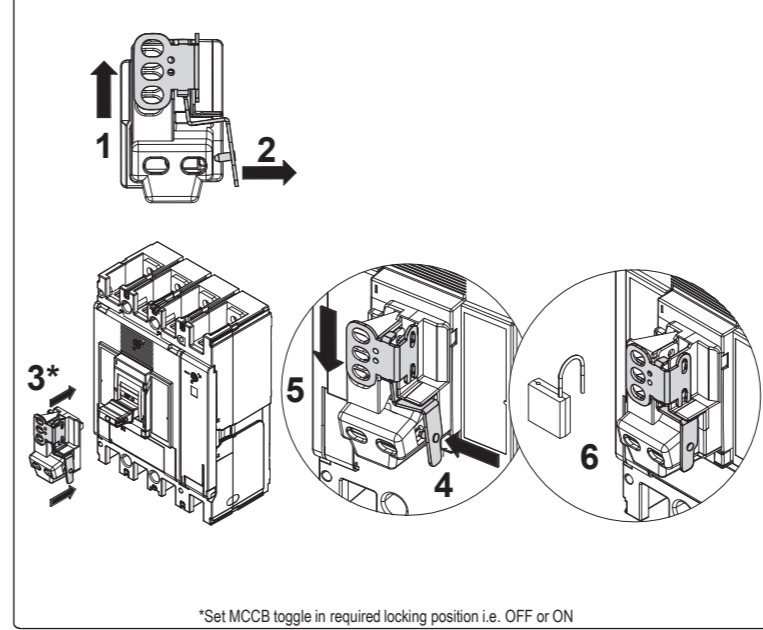
TERMINAL COVER MOUNTING PROCEDURE



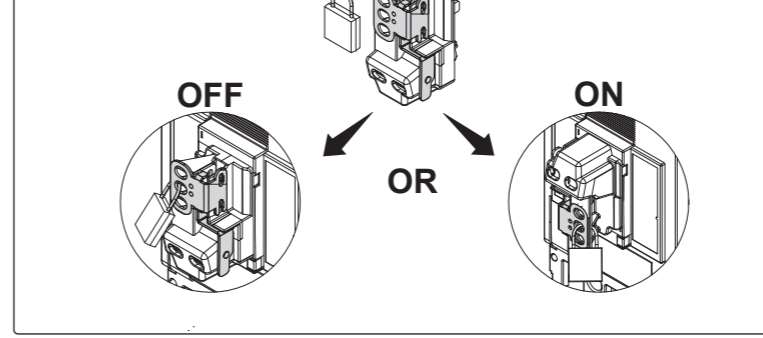
TERMINAL COVER LOCK



TOGGLE LOCK / PADLOCK ASSEMBLY PROCEDURE



TOGGLE LOCK OPTION



TIME CURRENT CHARACTERISTIC CURVE

