

DATA SHEET: TEMBREAK 2 S250-NJ MCCB

Código Larce 3P: 0403005093 0403005094 0403005095

MCCB Electrical Characteristics to IEC 60947-2, EN 60947-2, JIS C 8201-2-1 ANN.1, AS/NZS 3947-2, NEMA AB-1

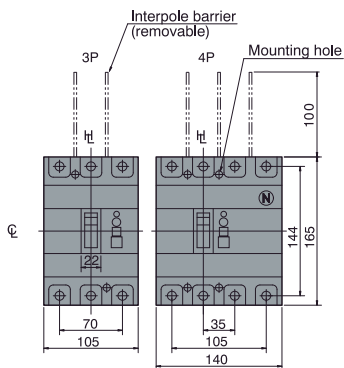
Frame Reference	Quantity	Unit	Condition	TB2 S250
Max In (A) of Frame				250
Model Number of Poles Type				S250 3, 4 NJ
Nominal current ratings				
	I_n	(A)	50°C	160 200 250
Electrical characteristics				
Rated operational voltage	U_e	(A)	AC 50/60 Hz DC	690 250
Rated insulation voltage	U_i	(V)		800
Rated impulse withstand voltage	U_{imp}	(kV)		8
Ultimate breaking capacity (IEC, JIS, AS/NZS)	I_{cu}	(kA)	690V AC 525V AC 440V AC 400/415V AC 220/240V AC 250V DC	7.5 25 25 36 65 40
Service breaking capacity (IEC, JIS, AS/NZS)	I_{cs}	(kA)	690V AC 525V AC 440V AC 400/415V AC 220/240V AC 250V DC	7.5 25 25 36 65 40
Rated breaking capacity (NEMA)		(kA)	480V AC 240V AC	22 65
Protection				
Adjustable thermal, adjustable magnetic Fixed thermal, fixed magnetic Microprocessor Utilisation category				■ A
Installation				
Front connection (FC) Extension bar (FB) Cable clamp (FW) Rear connection (RC) Plug-in (PM) Din rail mounting (DA) Dimensions	height width	(mm) (mm)	3 pole, (1 pole) 4 pole	■ ● ● ● ● - 165 105 140 68
Weight	depth weight	(mm) (kg)	3 pole, (1 pole) 4 pole	1.5 1.9
Operation				
Direct Opening Action Toggle operation Door mounted (HS) / breaker mounted handle (HB) Motor operation (MC)				■ ■ ● ●
Endurance	Electrical Mechanical	cycles cycles	415V AC	10,000 30,000

■ Standard ● Optional - Not Available

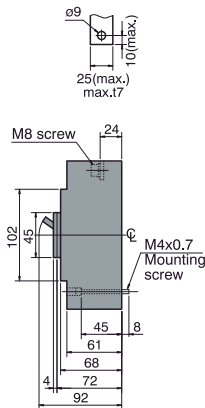
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Outline Dimensions S250-NJ

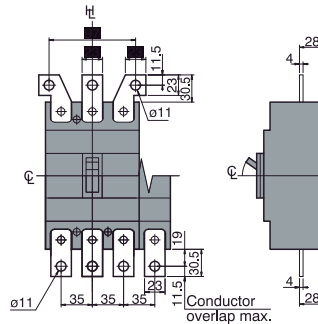
Front connected



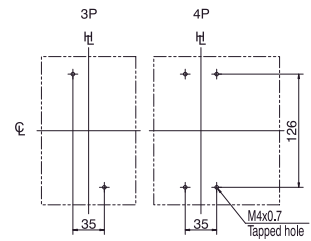
Preparation of conductor



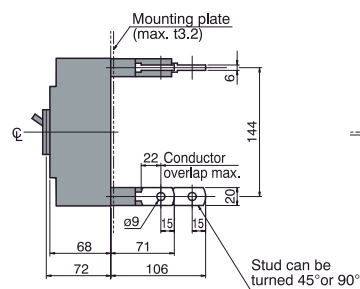
With extension bars (optional)



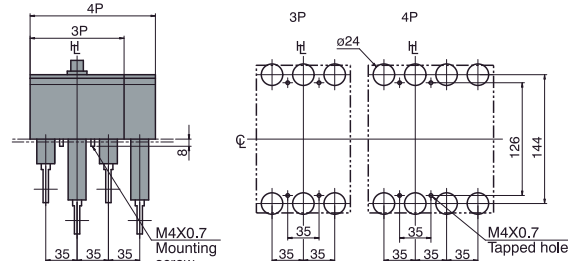
Drilling plan



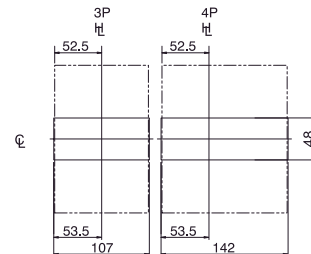
Rear connected



Drilling plan

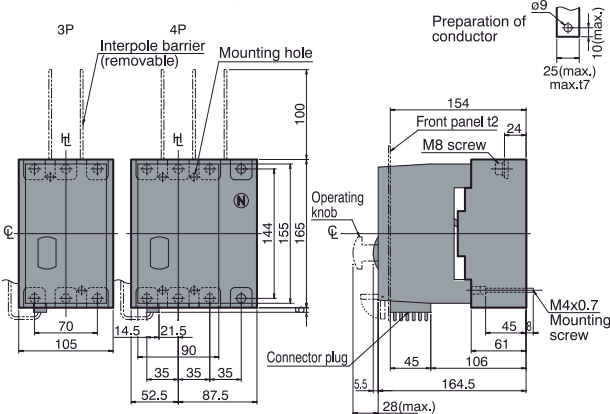


Panel cutout (Front view)



Panel cutout dimensions shown give an allowance of 1.0mm or more around the handle escutcheon.

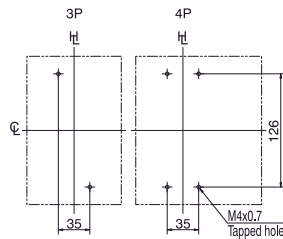
Front connected with Motor Operator



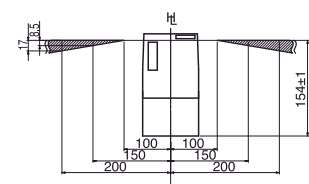
Preparation of conductor



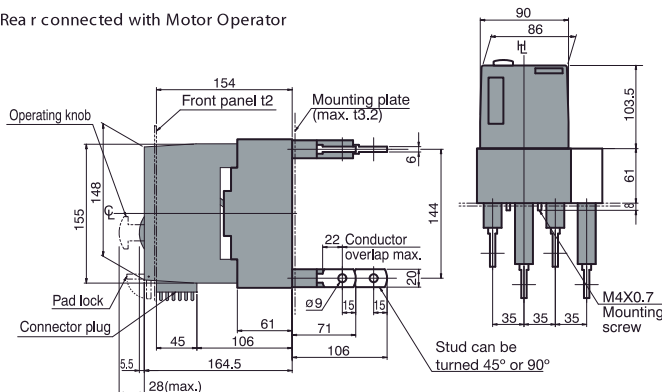
Drilling plan



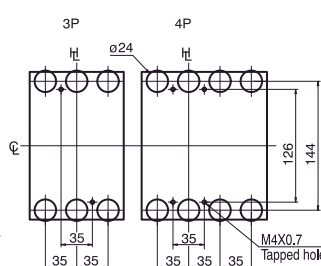
Panel hinge position (hatching area) bottom view



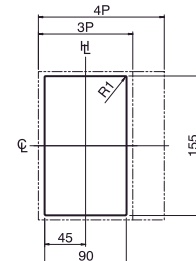
Rear connected with Motor Operator



Drilling plan



Panel cutout (Front view)



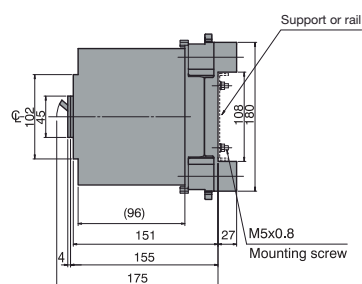
Panel cutout dimensions shown give an allowance of 1.5mm around the handle escutcheon.

Outline Dimensions: S250-NJ, Plug-in Version

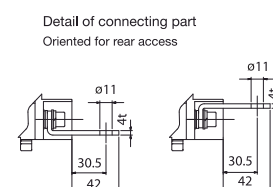
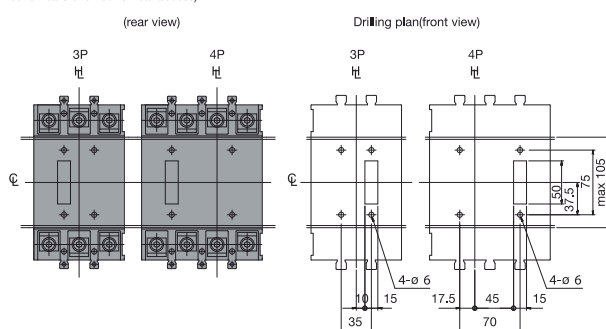
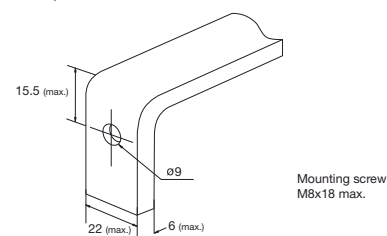
ASL: Arrangement Standard Line H₁: Handle Frame Centre Line

Technical drawing showing two types of mounting plates, 3P and 4P, with dimensions in mm.

- 3P Plate:** Width 105, Height 200. Features a central vertical slot and a horizontal slot. Dimensions are marked with 105, 200, and 22.
- 4P Plate:** Width 140, Height 160. Features a central vertical slot and a horizontal slot. Dimensions are marked with 140, 160, and 22. A "Mounting hole" is indicated.

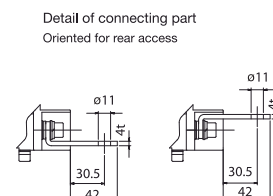
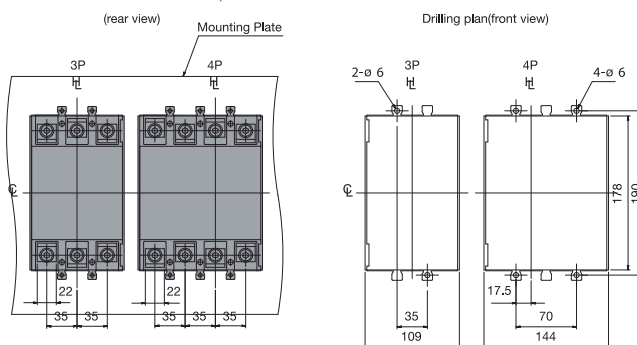


Preparation of conductor



Terminal bars should be connected alternately on adjacent poles.

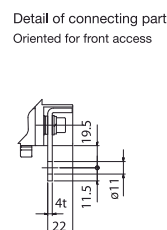
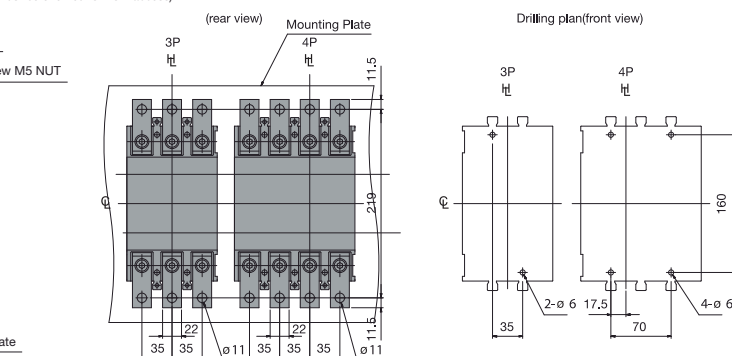
Technical drawing of the mounting plate for the 1000 Series. The drawing shows a side view of the plate with dimensions in millimeters. Key dimensions include a total width of 156mm, a central width of 96mm, and a total height of 165mm. Mounting holes are specified as M5x20 screws. The drawing also shows a top view with dimensions 136mm and 132mm. A label 'Mounting plate' points to the main body, and 'Mounting screw M5x20' points to the screws.



Terminal bars should be connected alternately on adjacent poles.

Technical drawing of the mounting plate assembly. The drawing shows a side view of the assembly with various dimensions and labels.

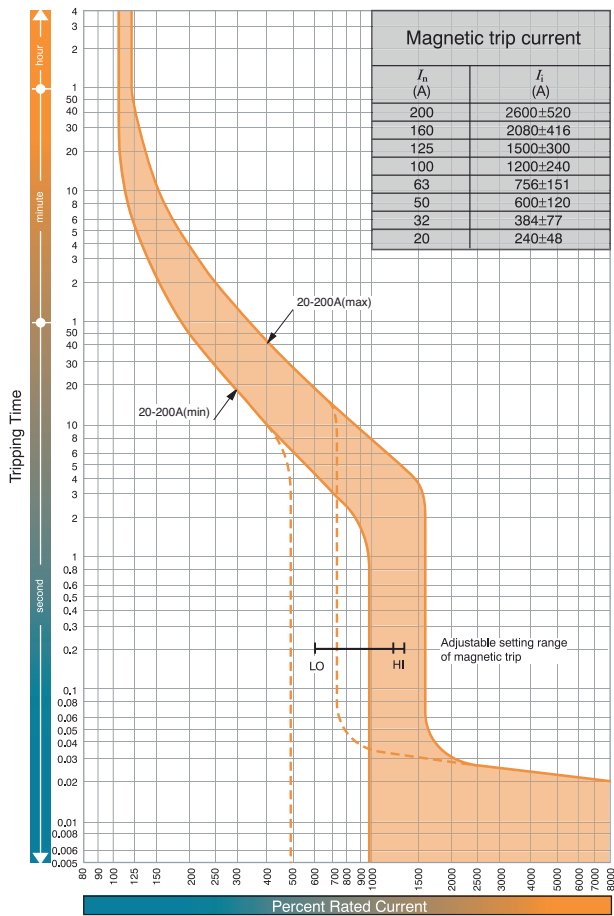
- Dimensions:**
 - Total height: 165
 - Height from base to top of main body: 102
 - Radius of top edge: R45
 - Width of main body: 96
 - Distance from base to center of mounting holes: 179
 - Distance between mounting holes: 183
 - Distance from base to bottom of mounting holes: 203
 - Thickness of insulating plate: 22
 - Distance from center of mounting hole to edge of insulating plate: 41
 - Radius of mounting hole: R20
 - Distance from center of mounting hole to edge of mounting plate: 20
 - Distance from center of mounting hole to edge of mounting plate (bottom): 20
 - Thickness of mounting plate: 4
 - Distance from center of mounting hole to edge of mounting plate (bottom): 22
 - Distance from center of mounting hole to edge of mounting plate (bottom): 1
- Labels:**
 - Insulating plate
 - Mounting screw M5 NUT
 - Mounting plate
 - Insulating plate



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Time/Current Characteristic Curves

S250-NJ, (20A to 200A)



Time/Current Characteristic Curves

S250-NJ, (250A)

