

## DATA SHEET: TEMBREAK 2 S800-NJ MCCB

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 1000
Max In (A) of Frame				800
Model				S800
Number of Poles				3, 4
Type				NJ
<b>Nominal current ratings</b>				
	$I_n$	(A)	50°C	630 800
<b>Electrical characteristics</b>				
Rated operational voltage	$U_e$	(V)	AC 50/60 Hz DC	690 -
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	20 <sup>Ⓢ</sup>
			525V AC	30
			440V AC	50
			400/415V AC	50
			220/240V AC	150
			250V DC	50
Service breaking capacity (IEC, JIS, AS/NZS)	$I_{cs}$	(kA)	690V AC	20 <sup>Ⓢ</sup>
			525V AC	30
			440V AC	50
			400/415V AC	50
			220/240V AC	85
			250V DC	50
Rated breaking capacity (NEMA)		(kA)	480V AC	30
			240V AC	85
Rated short-time withstand current	$I_{cw}$	(kA)	0.3 Seconds	-
<b>Protection</b>				
Adjustable thermal, adjustable magnetic				■
Fixed thermal, fixed magnetic				
Microprocessor				
Utilisation category				A
<b>Installation</b>				
Front connection (FC)				■
Extension bar (FB)				•
Cable clamp (FW)				• <sup>Ⓢ</sup>
Rear connection (RC)				•
Plug-in (PM)				•
DIN rail mounting (DA)				-
Dimensions	height	(mm)		273
	width	(mm)	3 pole	210
			4 pole	280
	depth	(mm)		103
Weight	weight	(kg)	3 pole	8.5
			4 pole	11.5
<b>Operation</b>				
Direct Opening Action				■
Toggle operation				■
Door mounted (HS) / Breaker mounted handle (HB)				•
Motor operation (MC)				•
Endurance	Electrical Mechanical	cycles cycles	690V AC	4,000
				10,000

Ⓢ MCCB cannot be used in IT systems at this voltage

■ Standard • Optional - Not Available

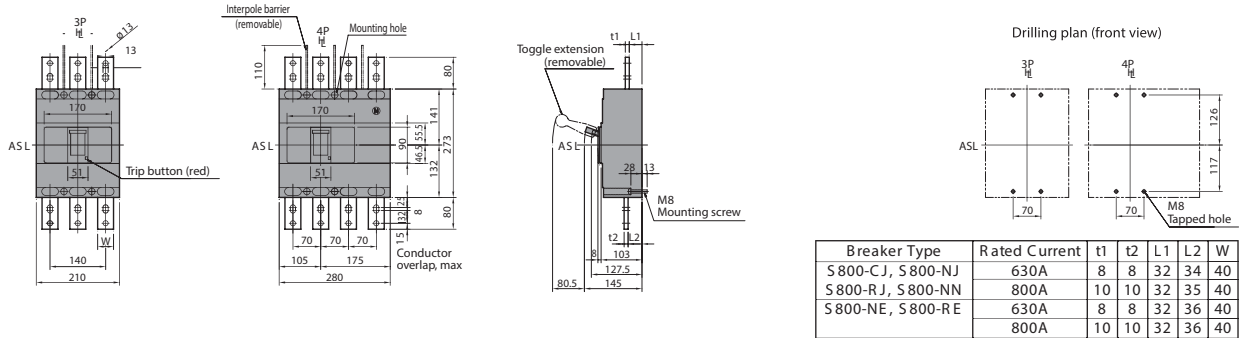
Ⓢ 630A only

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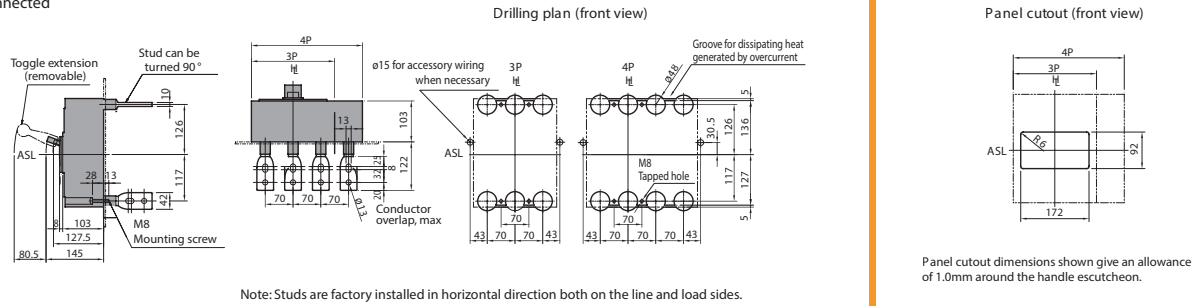
## Outline Dimensions S800-NJ

ASL: Arrangement Standard Line Ht: Handle Frame Centre Line

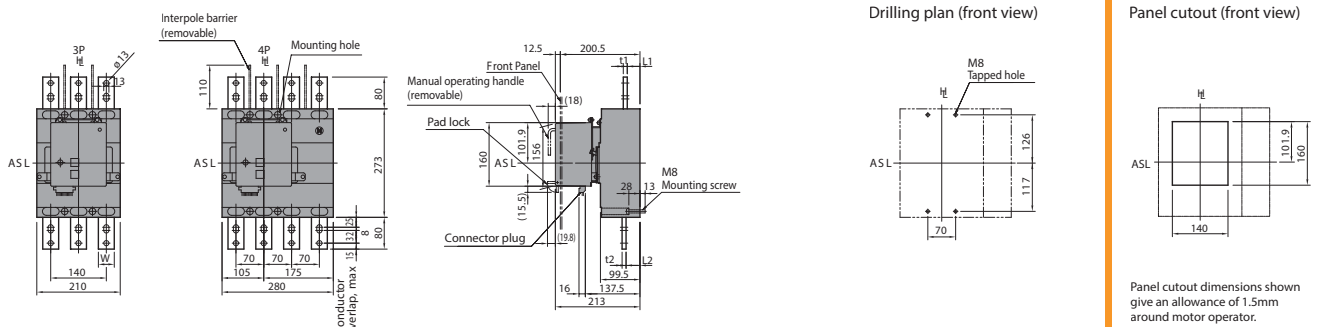
### Front connected with extension bars (optional)



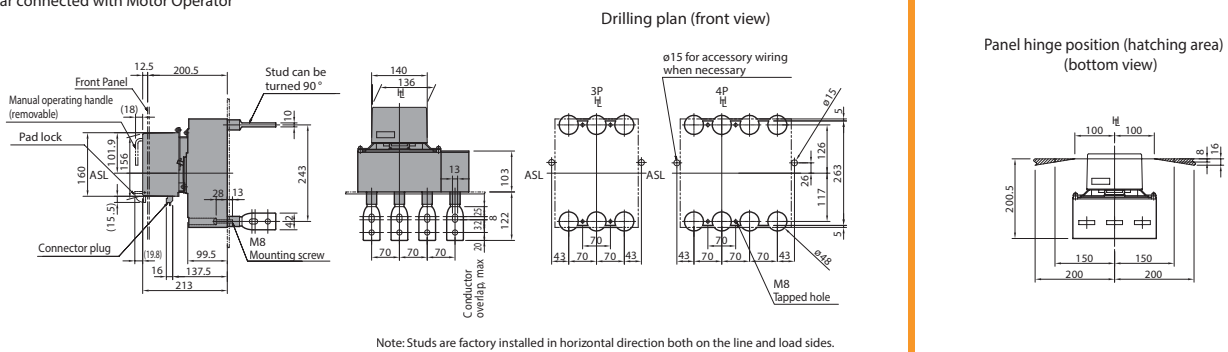
### Rear connected



### Front connected with Motor Operator



### Rear connected with Motor Operator

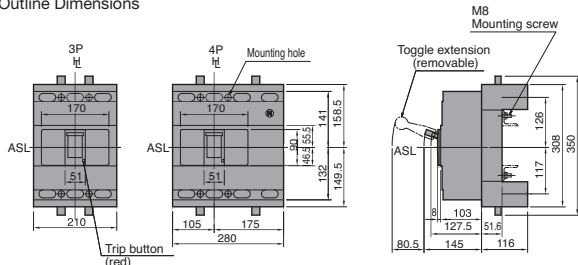


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## Outline Dimensions S800-NJ Plug-in Version

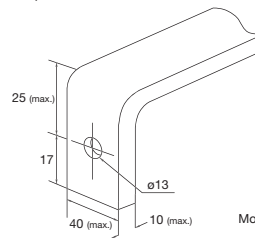
ASL: Arrangement Standard Line H<sub>L</sub>: Handle Frame Centre Line

### Outline Dimensions



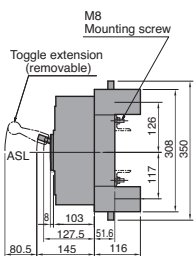
### Termination of Busbar

#### Preparation of conductor

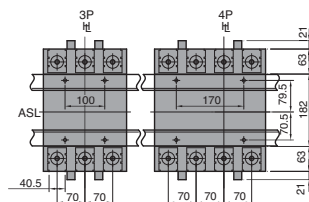


Mounting screw M12x25 max. Hex. sec. head bolt.

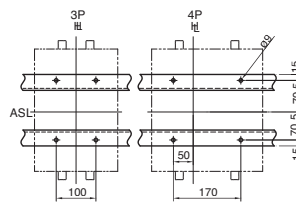
### Mounting on a support or rails



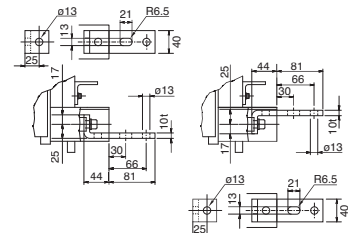
#### Mounting base (rear view)



#### Drilling plan (front view)

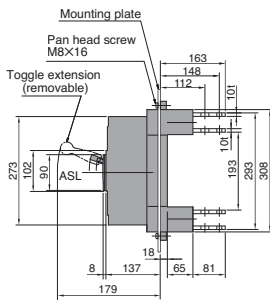


#### Detail of connecting part Oriented for rear access

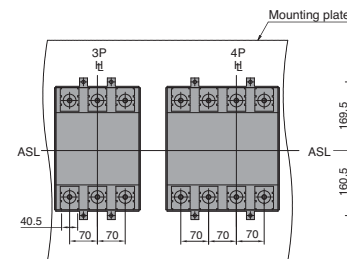


Terminal bars should be connected alternately on adjacent poles.

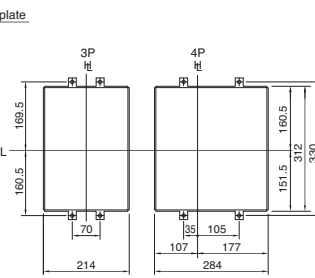
### Mounting through the backplate (shown with optional connection bars oriented for rear access)



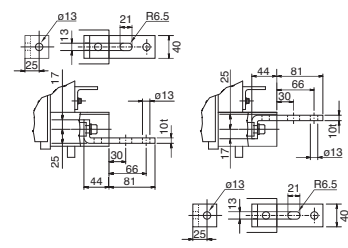
#### (rear view)



#### Drilling plan (front view)

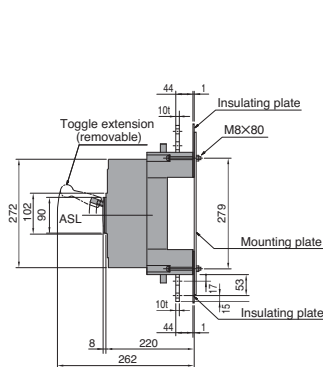


#### Detail of connecting part Oriented for rear access

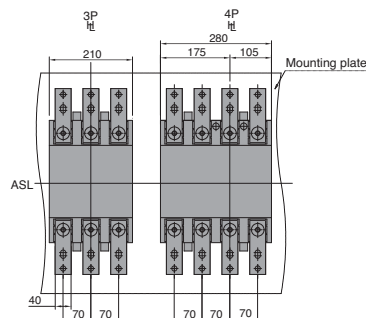


Terminal bars should be connected alternately on adjacent poles.

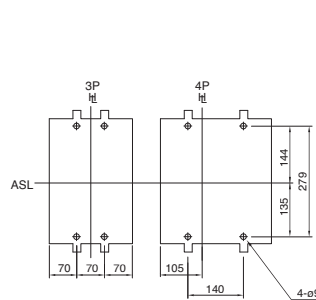
### Mounting on the backplate (optional connection bars must be oriented for front access)



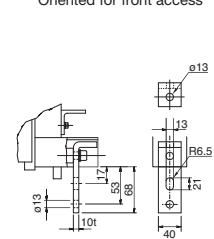
#### (rear view)



#### Drilling plan (front view)



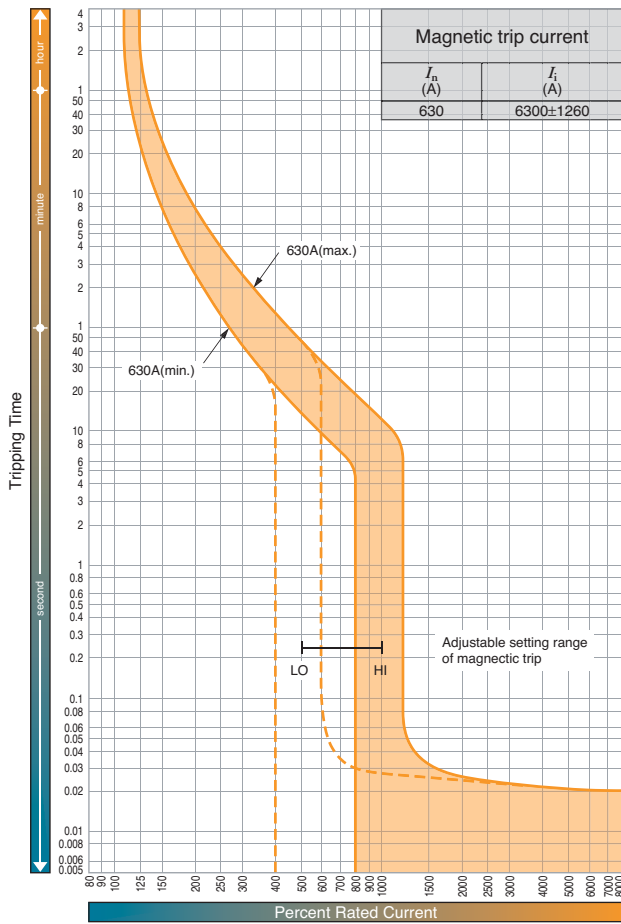
#### Detail of connecting part Oriented for front access



## DATA SHEET: TemBreak 2 S800-NJ MCCB

### Time/Current Characteristic Curves

S800-NJ, (630A)



### Time/Current Characteristic Curves

S800-NJ, (800A)

