

DATA SHEET TEMBREAK2 S160-GJ 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

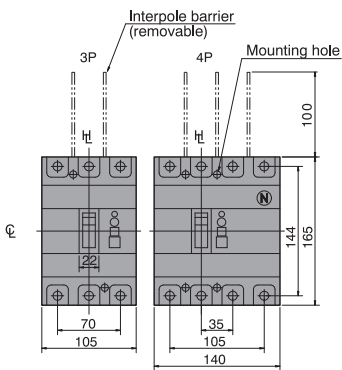
Frame Reference	Quantity	Unit	Condition	TB2 S250
Max In (A) of Frame				160
Model				S160
Number of Poles				3, 4
Type				GJ
Nominal current ratings				
	I_n	(A)	50°C	50, 63, 100 125, 160
Electrical characteristics				
Rated operational voltage	U_e	(A)	AC 50/60 Hz DC	690 250
Rated insulation voltage	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 50 65 85 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 85 40
Rated breaking capacity (NEMA)		(kA)	480V AC 240V AC	25 85
Protection				
Adjustable thermal, adjustable magnetic				■
Fixed thermal, fixed magnetic				
Microprocessor				
Utilisation category				A
Installation				
Front connection (FC)				■
Extension bar (FB)				●
Cable clamp (FW)				●
Rear connector (RC)				●
Plug-in (PM)				●
Din rail mounting (DA)				-
Dimensions	height	(mm)		165
	width	(mm)	3 pole, (1 pole)	105
			4 pole	140
Weight	depth	(mm)		68
	weight	(kg)	3 pole, (1 pole)	1.5
			4 pole	1.9
Operation				
Direct Opening Action				■
Toggle operation				■
Door mounted (HS) / breaker mounted handle (HB)				●
Motor operation (MC)				●
Endurance	Electrical	cycles	415V AC	20,000
	Mechanical	cycles		30,000

■ Standard ● Optional - Not Available

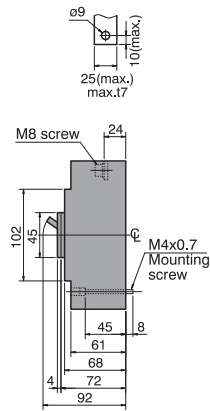
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Outline Dimensions S160-GJ

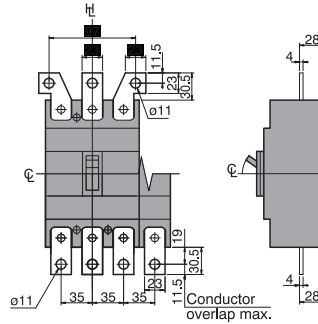
Front connected



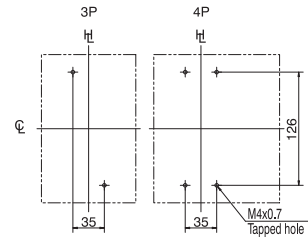
Preparation of conductor



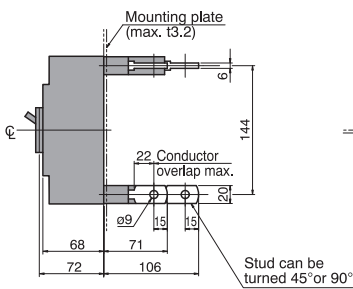
With extension bars (optional)



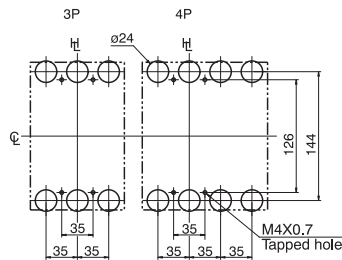
Drilling plan



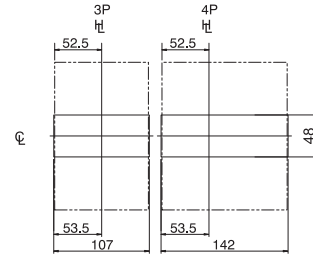
Rear connected



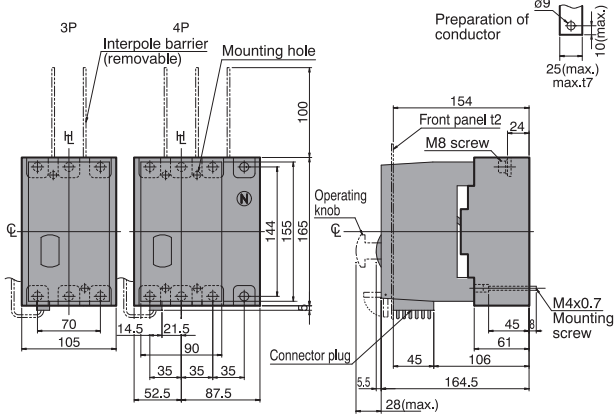
Drilling plan



Panel cutout (Front view)



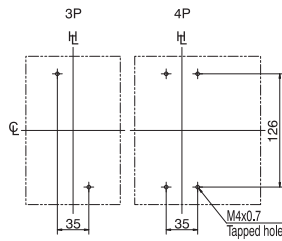
Front connected with Motor Operator



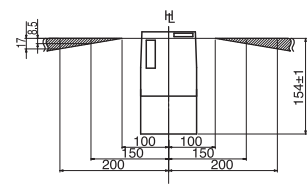
Preparation of conductor



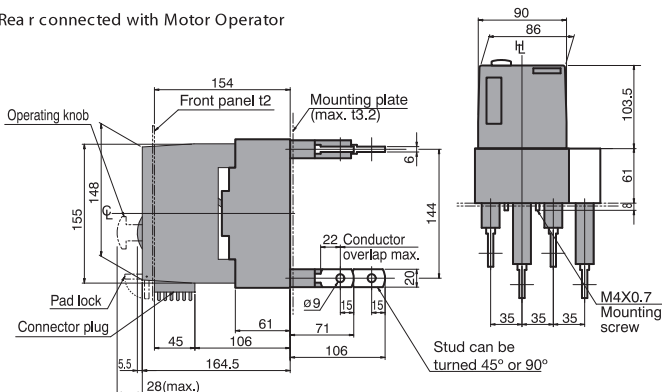
Drilling plan



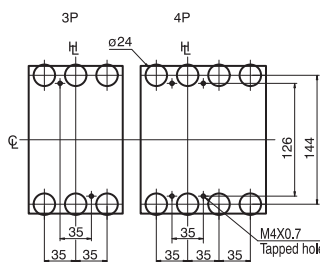
Panel hinge position (hatching area) bottom view



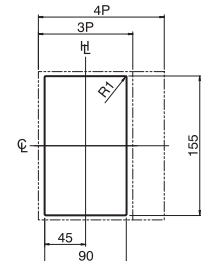
Rear connected with Motor Operator



Drilling plan



Panel cutout (Front view)

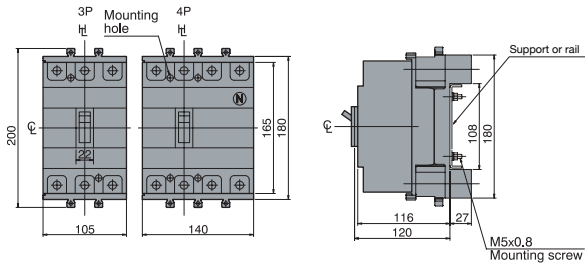


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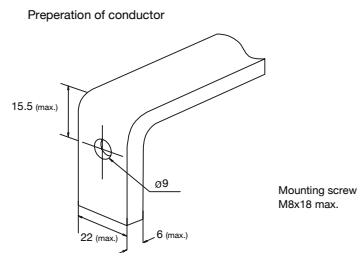
Outline Dimensions S160-GJ Plug-in Version

ASL: Arrangement Standard Line H_L : Handle Frame Centre Line

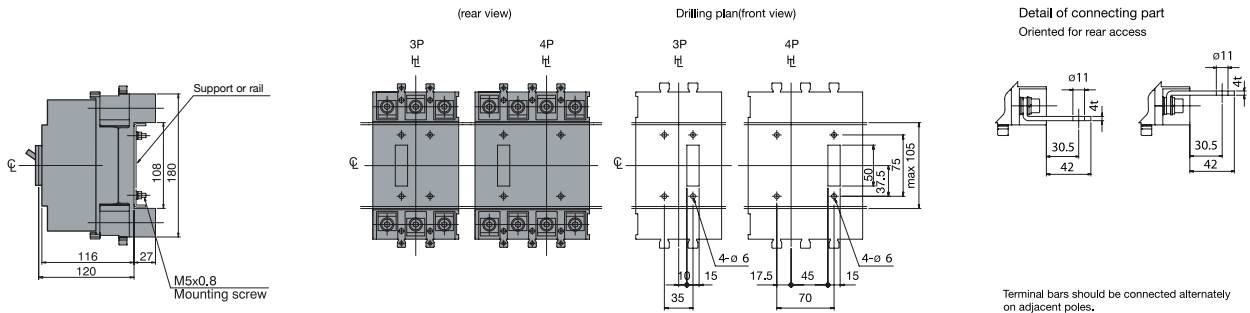
Outline Dimensions



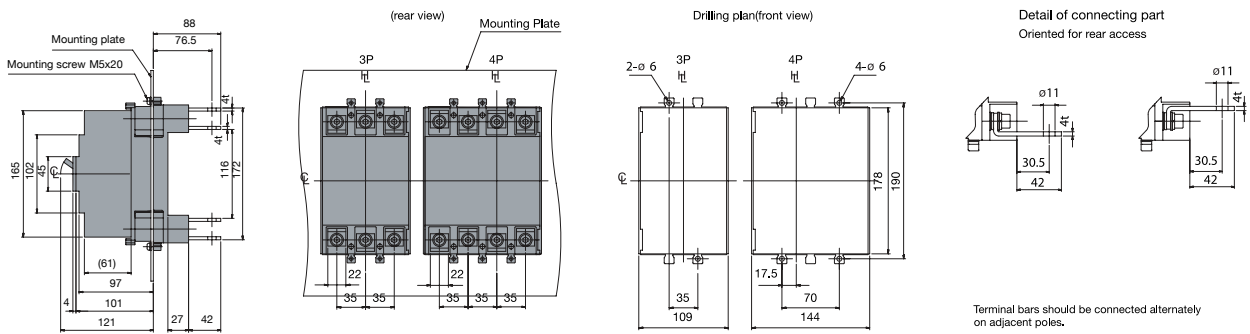
Termination of Busbar



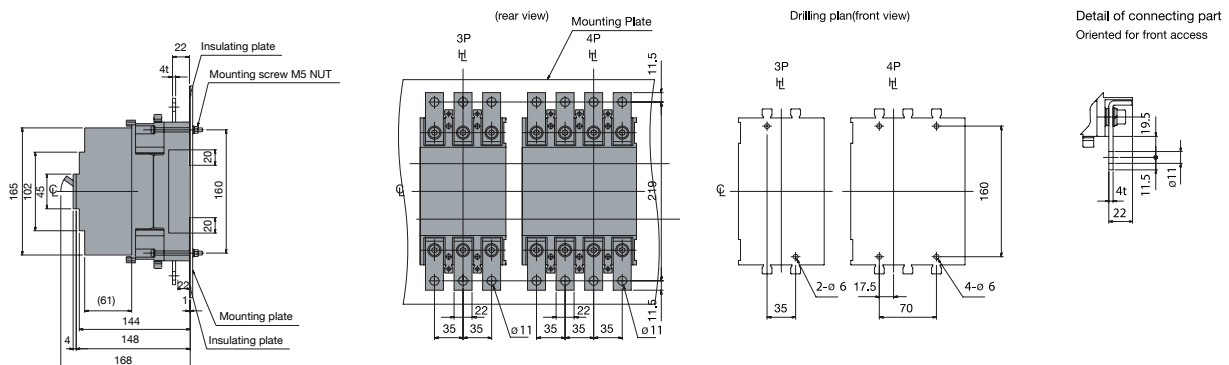
Mounting on a support or rails (shown with optional connection bars oriented for rear access)



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



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



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Time/Current Characteristic Curve S160-GJ (50A to 160A)

