

DATA SHEET: TEMBREAK 2 S400-GE

Código Larce: 0403007062

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 E/S 630
Max In (A) of Frame				630
Model				S400
Number of Poles				3, 4
Type				GE
Nominal current ratings				
	I_n	(A)	50°C	250 400
Electrical characteristics				
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 525V AC 440V AC 415V AC 400V AC 220/240V AC 250V DC	20 30 65 70 70 100 -
Service breaking capacity (IEC, JIS, AS/NZS)	I_{cs}	(kA)	690V AC 525V AC 440V AC 415V AC 400V AC 220/240V AC 250V DC	15 30 50 50 60 85 -
Rated breaking capacity (NEMA)		(kA)	480V AC 240V AC	30 100
Rated short-time withstand current	I_{aw}	(kA)	0.3 Seconds	5
Protection				
Adjustable thermal, adjustable magnetic				■
Fixed thermal, fixed magnetic				
Microprocessor				■
Utilisation category				B
Installation				■
Front connection (FC)				•
Extension bar (FB)				•
Cable clamp (FW)				•
Rear connection (RC)				•
Plug-in (PM)				•
DIN rail mounting (DA)				-
Dimensions	height	(mm)	3 pole	260
	width	(mm)	4 pole	140
	depth	(mm)		185
	weight	(kg)	3 pole	103
			4 pole	4.3
Weight				5.7
Operation				■
Direct Opening Action				■
Toggle operation				•
Door mounted (HS) / Breaker mounted handle (HB)				•
Motor operation (MC)				•
Endurance	Electrical	cycles	415V AC	4,500
	Mechanical	cycles		15,000

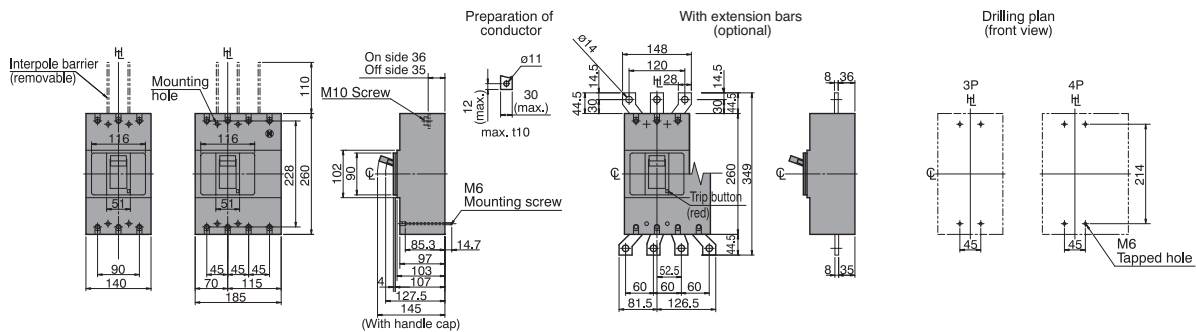
■ Standard • Optional - Not Available

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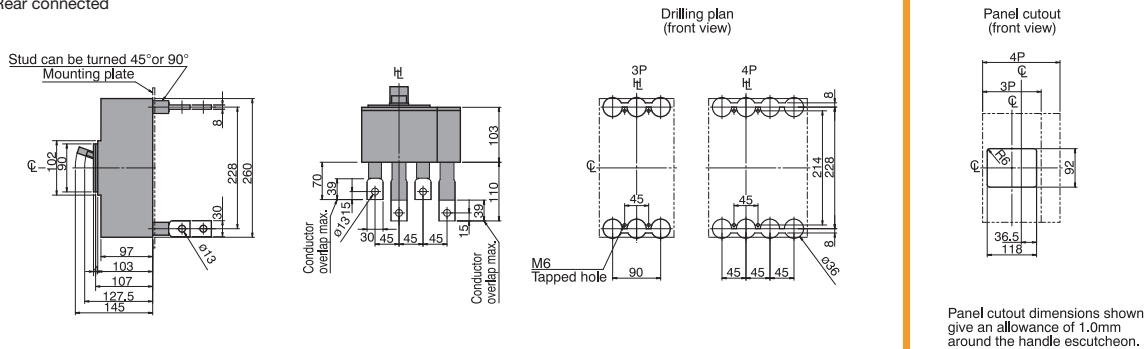
Outline Dimensions S400-GE

ASL: Arrangement Standard Line H: Handle Frame Centre Line

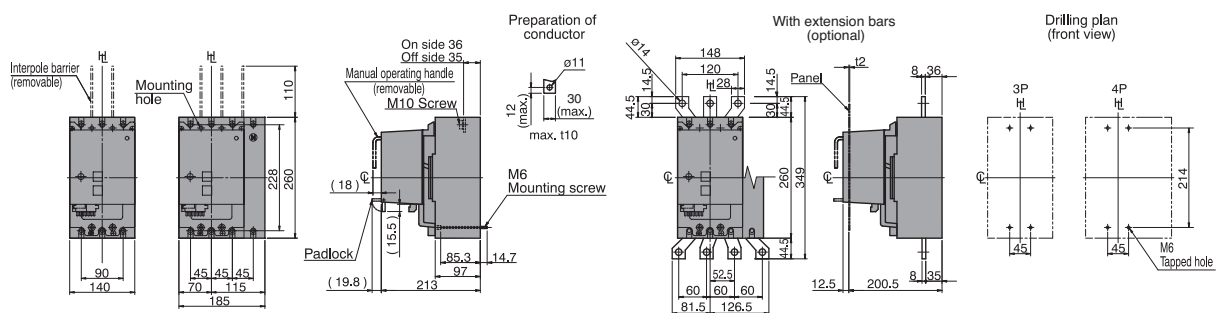
Front connected



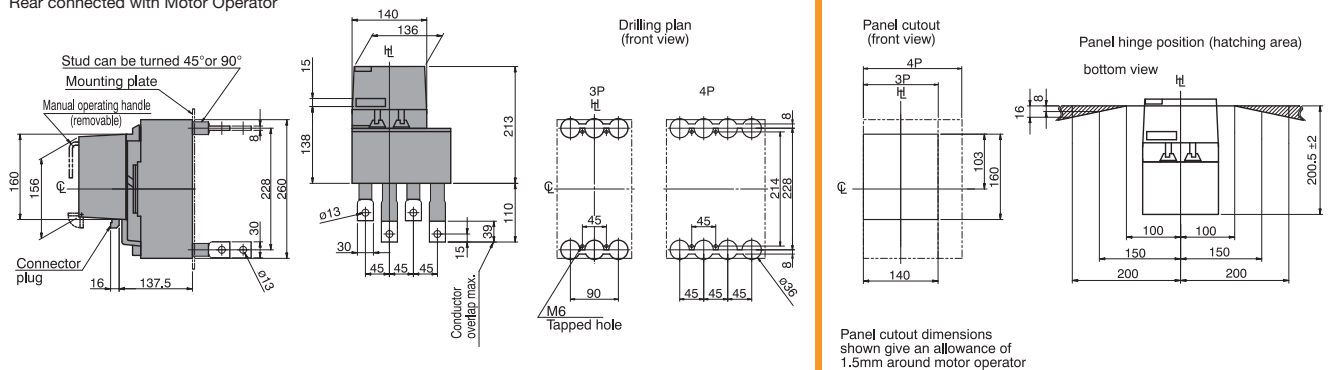
Rear connected



Front connected with Motor Operator



Rear connected with Motor Operator

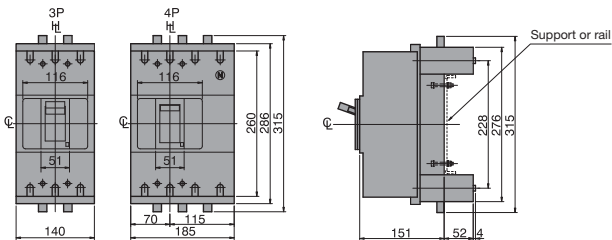


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Outline Dimensions S400-GE Plug-in Version

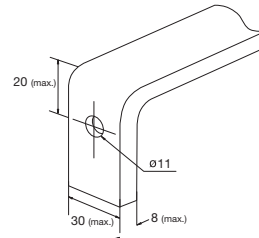
ASL: Arrangement Standard Line H: Handle Frame Centre Line

Outline Dimensions



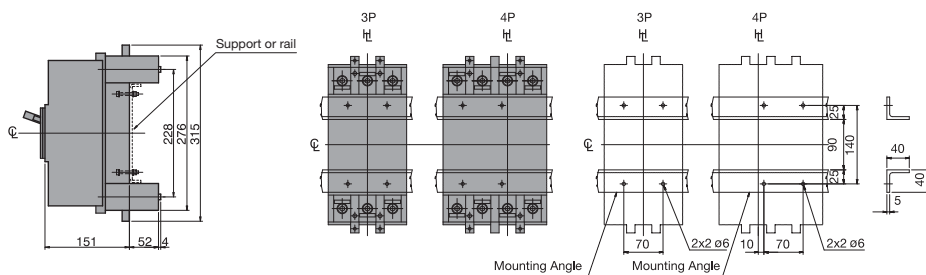
Termination of Busbar

Preparation of conductor

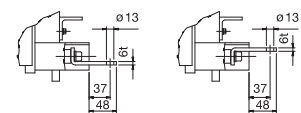


Mounting screw
M10x30 max.

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

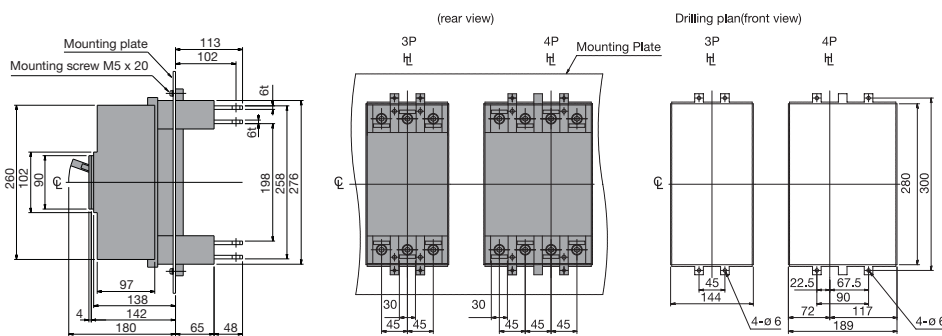


Detail of connecting part
Oriented for rear access

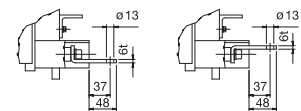


Terminal bars should be connected alternately on adjacent poles.

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

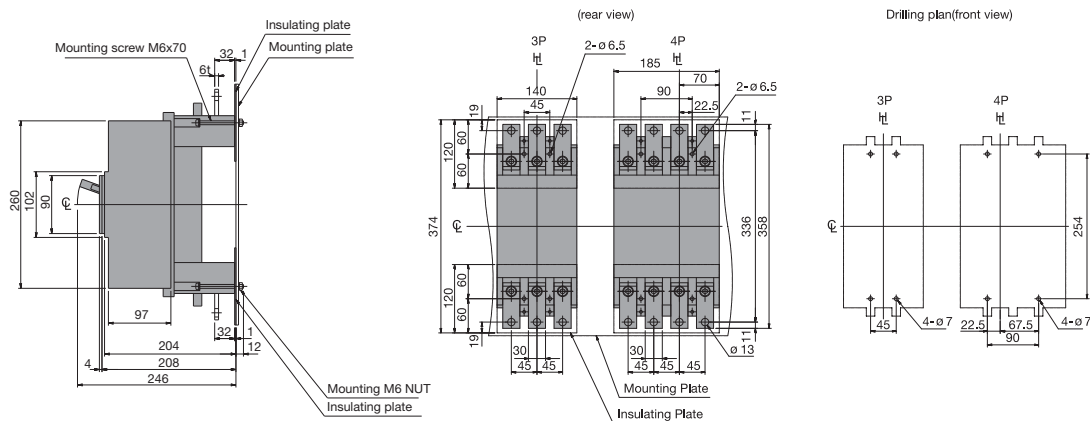


Detail of connecting part
Oriented for rear access

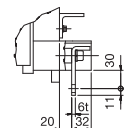


Terminal bars should be connected alternately on adjacent poles.

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



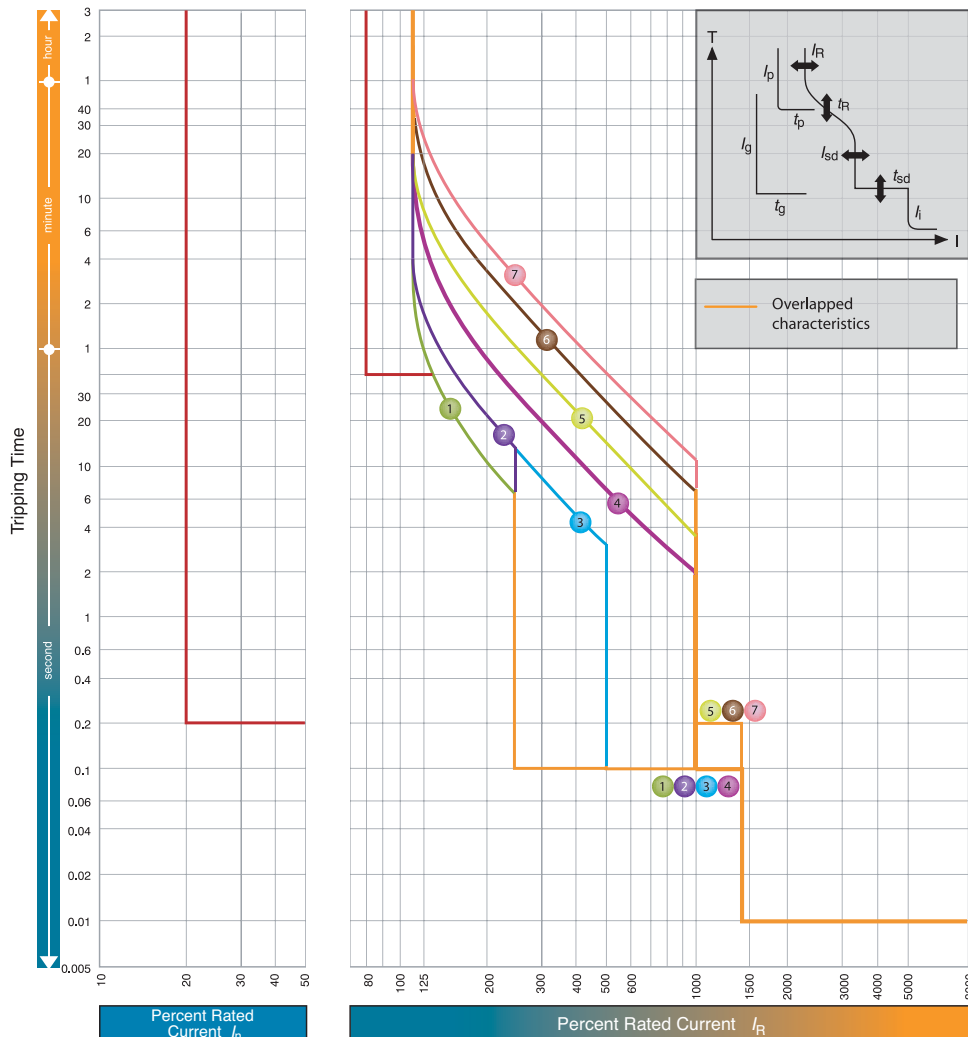
Detail of connecting part
Oriented for front access



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Time/Current Characteristic Curves

S400-GE



$I_n = 400A$; 250A Note (1)

		I_R (A)									
		LTD Pick-up current	I_R	x/I_n	0.4	0.5	0.63	0.8	0.9	0.95	1.0
		Characteristics		No.	1	2	3	4	5	6	7
Standard	LT	t_R	(s)	11	21	21	5	10	19	29	
				at 200% x I_R			at 600% x I_R				
	ST	I_{sd}	x/I_R	2.5	5	10					
		t_{sd}	(s)	0.1						0.2	
	INST	I_i	x/I_R	14(Max: 13 x I_n) Note (2)							
Option	PTA	I_p	x/I_R	0.8							
		t_p	(s)	40							
	GF Note(4)	I_g	x/I_n	0.2							
		t_g	(s)	0.2							
	NP	I_N	x/I_R	1.0/0.5 Note (3)							
		t_N	(s)	$t_N=t_R$							

Note

(1) GF is not available when I_n is 250A. (2) I_i max. = 13 x I_n . (3) 1.0 x I_R or 0.5 x I_R can be selected. Characteristic of neutral protection (t_N vs. I_N) is identical to characteristic of phase protection (t_R vs. I_R). (4) When you specify GF on MCCBs with 3 poles the terminal block is automatically fitted to connect with the external neutral CT for 3 phases 4 wires system. See terminal blocks in section 4.