

DATA SHEET: TEMBREAK 2 S1250-NE MCCB

Código Larce 3P: 0403013021

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 1250
Max In (A) of Frame				1250
Model				S1250
Number of Poles				3, 4
Type				NE
Nominal current ratings				
	I_n	(A)	50°C	1250
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 400/415V AC 220/240V AC 250V DC	25 ^① 45 65 70 100 -
Service breaking capacity (IEC, JIS, AS/NZS)	I_{cs}	(kA)	690V AC 525V AC 440V AC 400/415V AC 220/240V AC 250V DC	20 ^① 34 50 50 75 -
Rated breaking capacity (NEMA)		(kA)	480V AC 240V AC	45 100
Rated short-time withstand current	I_{cw}	(kA)	0.3 Seconds	-
Protection				
Adjustable thermal, adjustable magnetic				■
Fixed thermal, fixed magnetic				B
Microprocessor				
Utilisation category				
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 4 pole	370 210 280
Weight	depth weight	(mm) (kg)	3 pole 4 pole	120 19.8 25.0
Operation				
Direct Opening Action				■
Toggle operation				■
Door mounted (HS) / Breaker mounted handle (HB)				•
Motor operation (MC)				•
Endurance	Electrical Mechanical	cycles cycles	690V AC	4,000 5,000

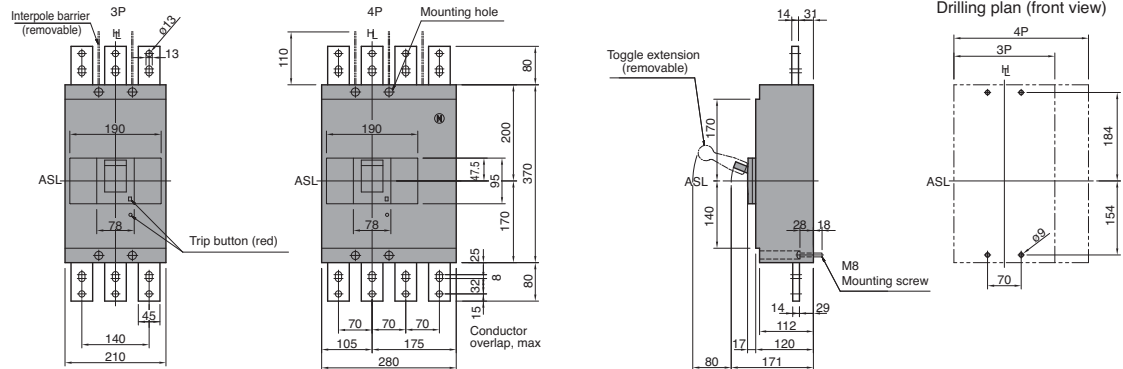
① MCCB cannot be used in IT systems at this voltage

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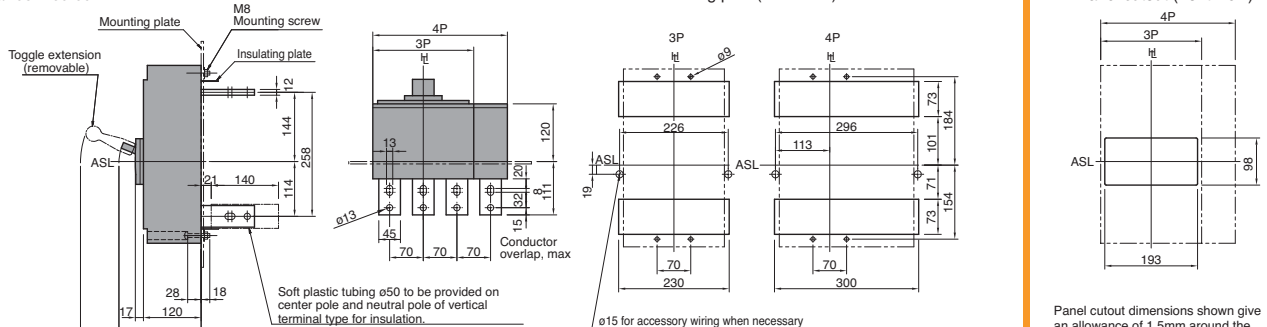
Outline Dimensions S1250-NE

ASL: Arrangement Standard Line HL: Handle Frame Centre Line

Front connected

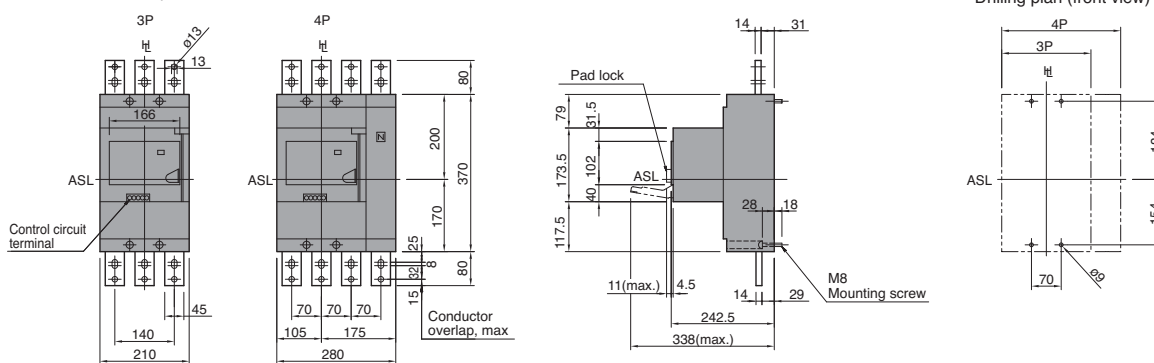


Rear connected

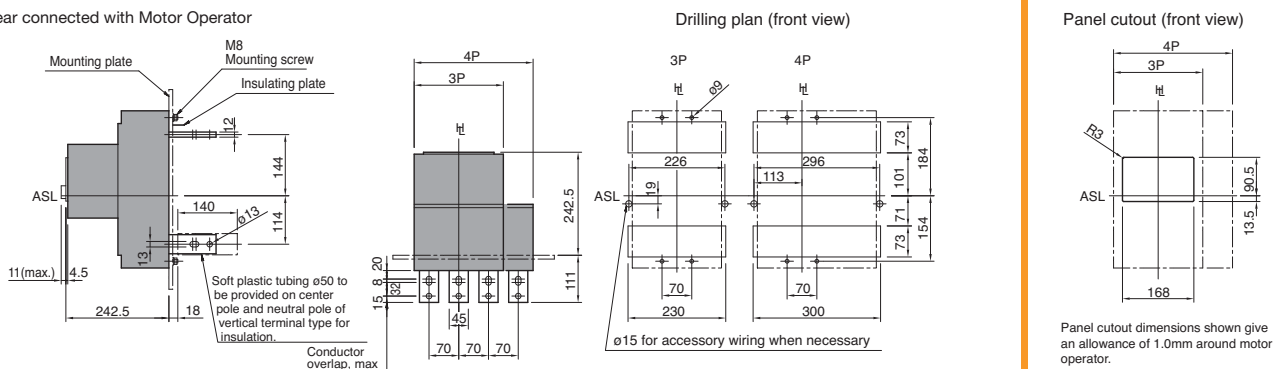


Note: Studs are factory installed in horizontal direction both on the line and load sides.

Front connected with Motor Operator



Rear connected with Motor Operator



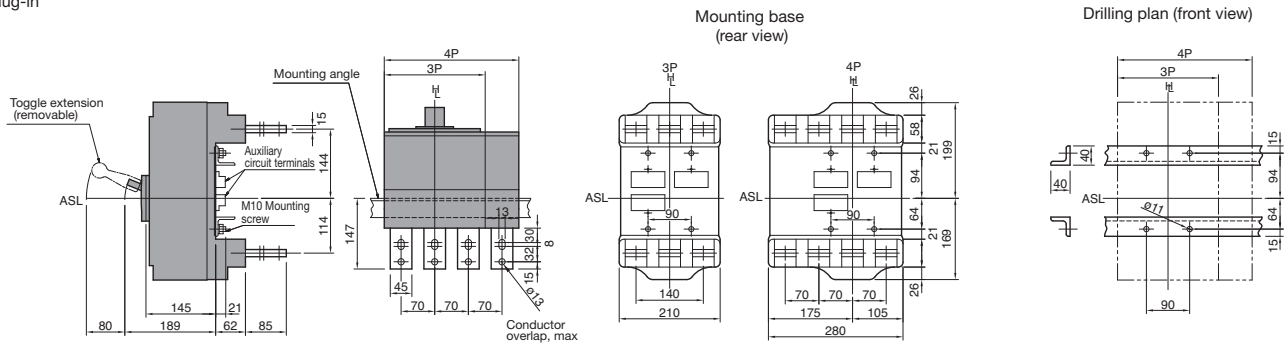
Note: Studs are factory installed in horizontal direction both on the line and load sides.

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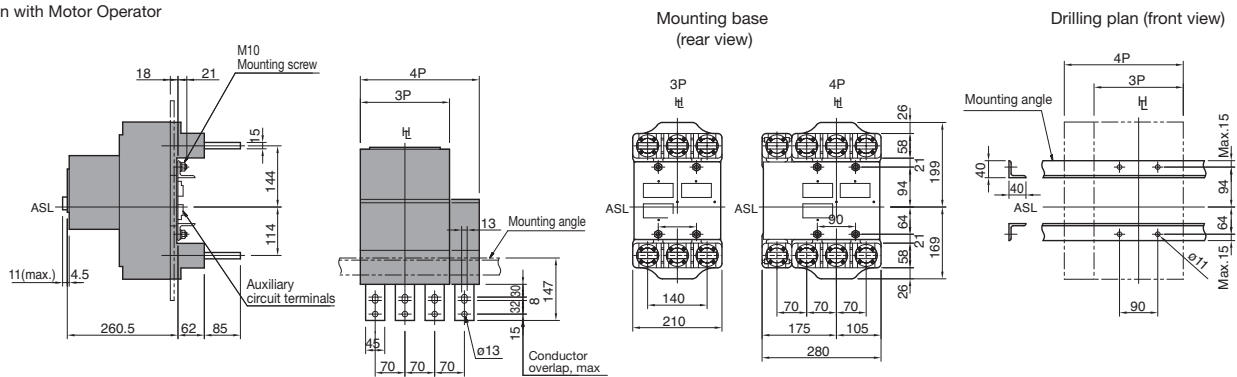
Outline Dimensions S1250-NE Plug in Version

ASL: Arrangement Standard Line H: Handle Frame Centre Line

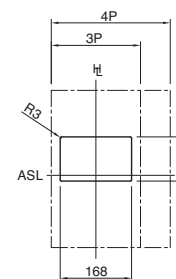
Plug-in



Plug-in with Motor Operator



Panel cutout (front view)

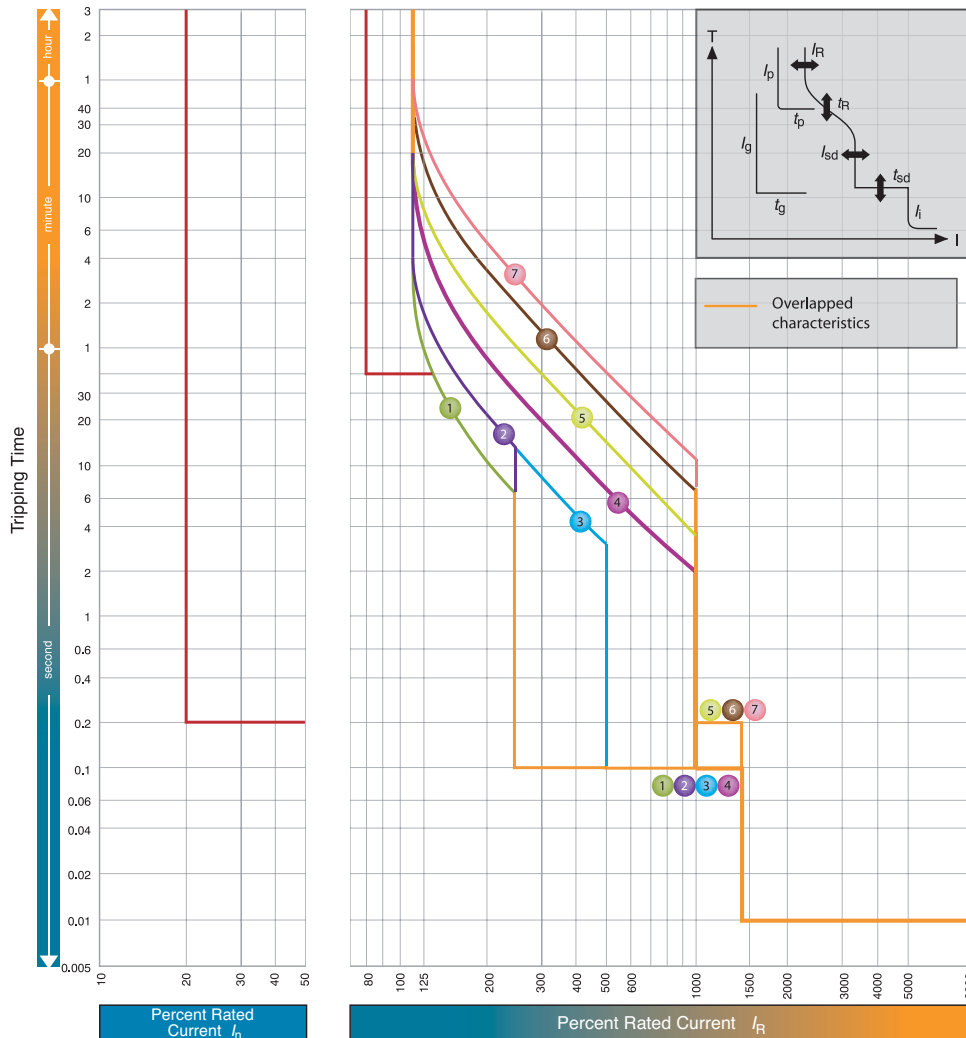


Panel cutout dimensions shown give an allowance of 1.0mm around motor operator.

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Time/Current Characteristic Curves

S1250-NE



$I_n = 1250A$

		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		
	ST	I_{sd}	x/I_R	at 200% x I_R			at 600% x I_R						
		t_{sd}	(s)	2.5		5	10						
		INST	I_i	x/I_R	0.1								0.2
Option	PTA	I_p	x/I_R	14(Max: 12 x I_n)								Note (1)	
		t_p	(s)									40	
	GF Note(3)	I_g	x/I_n	0.2									
		t_g	(s)									0.2	
	NP	I_N	x/I_R	1.0/0.5								Note(2)	
		t_N	(s)	$t_N=t_R$									

Note

(1) I_i max. = $12 \times I_n$. (2) $1.0 \times I_R$ or $0.5 \times I_R$ can be selected. Characteristic of neutral protection (t_N vs. I_N) is identical to characteristic of phase protection (t_R vs. I_R). (3) 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.

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