

## DATA SHEET: TEMBREAK 2 XS1250-ND MCCB FOR USE ABOVE 250V DC

MCCB Electrical Characteristics to IEC 60947-2, EN60947-2, JIS C 8201-2-1 ANN, 1

Frame reference	Quantity	Unit	Condition	<b>TB 1250</b>
Max In (A) of Frame				<b>1250</b>
Model				XS1250
Number of Poles				3
Type				ND
Nominal current ratings				
	$I_n$	(A)	50°C	1250
Electrical characteristics				
Rated insulation voltage	$U_i$	(V)	AC 50/60 Hz	690
Rated impulse voltage	$U_{imp}$	(kV)		8
Ultimate breaking capacity (IEC, JIS)	$I_{cu}$	(kA)	1000V DC①② 750V DC①② 600V DC①② 500V DC①② 350V DC①②	- 20 50 50
Service breaking capacity (IEC, JIS)	$I_{cs}$	(kA)	1000V DC①② 750V DC①② 600V DC①② 500V DC①② 350V DC①②	- - 15 25 25
Protection				
Fixed thermal, fixed magnetic				■
Adjustable thermal, fixed magnetic				
Magnetic trip only (adjustable)				
Installation				
Front connection (FC)				-
Extension bar (FB)				■
Rear connection (RC)				•
Plug-in (PM)				-
DIN rail mounting (DA)				-
Dimensions	height	(mm)	3 pole	273
	width	(mm)	4 pole	210
	depth	(mm)		-
	weight	(kg)	3 pole	10.8
			4 pole	-
Weight				
Operation				
Direct Opening Action				■
Toggle operation				■
Breaker mounted (HB)				•
Door mounted (HS)				•
Motor operation				•
Endurance	Electrical	cycles	1000V DC 750V DC	- -
	Mechanical	cycles	350 - 600V DC -	500 2,500

① Connect all poles in series when over DC250V

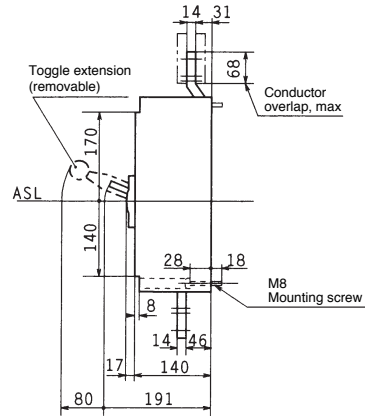
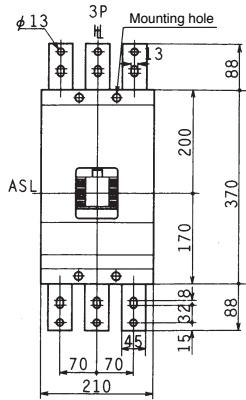
② The time constant (L/R) of the circuit should be less than 2.0ms nearby rated current less than 5ms for short circuit < 10kA less than 10ms for short circuit < 20kA less than 15ms for short circuit > 20kA

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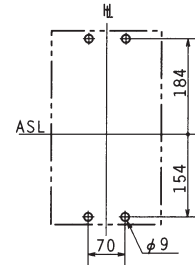
## Outline Dimensions XS1250ND

ASL: Arrangement Standard Line H: Handle Frame Centre Line C: Handle Centre Line

Front connected



Drilling plan (front view)

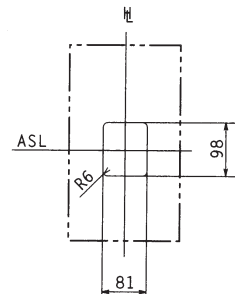
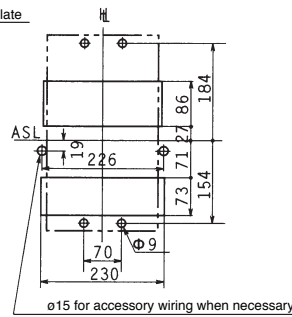
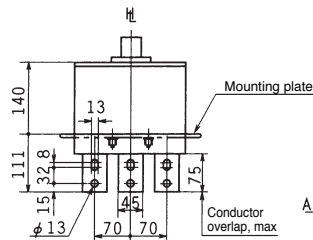
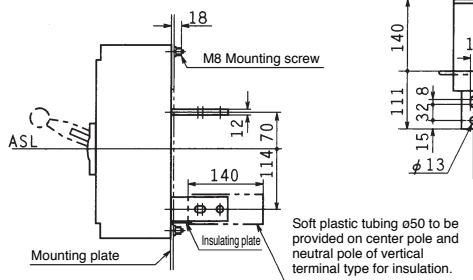


Rear connected

Rear-connected

Drilling plan (front view)

Panel cutout (front view)



Note: Studs are factory installed in horizontal direction both on the line and load sides.  
Please specify when ordering if vertical direction is required.

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

Note: 2 poles breaker is same outline dimensions as 3 poles breaker.

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Time/Current Characteristic Curves  
XS1250ND

