

DATA SHEET: TEMBREAK 2 S160-SCF MCCB

MCCB Electrical Characteristics to IEC 60947-2, EN 60947-2, JIS C 8201-2-1 ANN.1, NEMA AB-1

Frame Reference	Quantity	Unit	Condition	TB2 Lite 160
Max in (A) of Frame				160
Model				S160
Number of Poles				3, 4
Type				SCF
Nominal current ratings				
	I_n	(A)	50°C	16,20,25,32 40,50,63,80, 100,125,160
Electrical characteristics				
Rated operational voltage	U_e	(V)	AC 50/60 Hz DC	525 250
Rated insulation voltage	U_i	(V)		690
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 15 25 35 20
Service breaking capacity (IEC, JIS, AS/NZS)	I_{cs}	(kA)	690V AC 525V AC 440V AC 400/415V AC 220/240V AC 250V DC	- 4 7.5 13 18 10
Rated breaking capacity (NEMA)		(kA)	480V AC 240VAC	7.5 35
Protection				
Fixed thermal, fixed magnetic				■
Adjustable thermal, fixed magnetic				-
Utilisation category				A
Installation				
Front connection (FC)				■
Extension bar (FB)				●
Cable clamp (FW)				-
Rear connection (RC)				●
Plug-in (PM)				-
DIN rail mounting (DA)				●
Dimensions	height	(mm)		130
	width	(mm)	3 pole, (1 pole) 4 pole	75 100
	depth	(mm)		68
Weight	weight	(kg)	3 pole, (1 pole) 4 pole	0.8 1.0
Operation				
Direct Opening Action				■
Toggle operation				■
Door mounted (HS) / Breaker mounted handle (HB)				●
Motor operation				-
Endurance	Electrical	cycles cycles	415V AC	10,000 ^① 20,000

■ Standard ● Optional - Not Available

① 14,000 ≤ 125A

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Time/Current Characteristic Curves S160-SCF

