

DATA SHEET: TEMBREAK 2 S800-NJ 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 1000
Max In (A) of Frame				800
Model				S800
Number of Poles				3, 4
Type				NJ
Nominal current ratings				
	I_n	(A)	50°C	630 800
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	20 ^① 30 50 50 150 50
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 30 50 50 85 50
Rated breaking capacity (NEMA)		(kA)	480V AC 240V AC	30 85
Rated short-time withstand current	I_{cw}	(kA)	0.3 Seconds	-
Protection				
Adjustable thermal, adjustable magnetic				■
Fixed thermal, fixed magnetic				
Microprocessor				
Utilisation category				A
Installation				
Front connection (FC)				■
Extension bar (FB)				•
Cable clamp (FW)				• ^②
Rear connection (RC)				•
Plug-in (PM)				•
DIN rail mounting (DA)				-
Dimensions	height	(mm)		273
	width	(mm)	3 pole 4 pole	210 280
	depth	(mm)		103
Weight	weight	(kg)	3 pole 4 pole	8.5 11.5
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 10,000

① MCCB cannot be used in
IT systems at this voltage

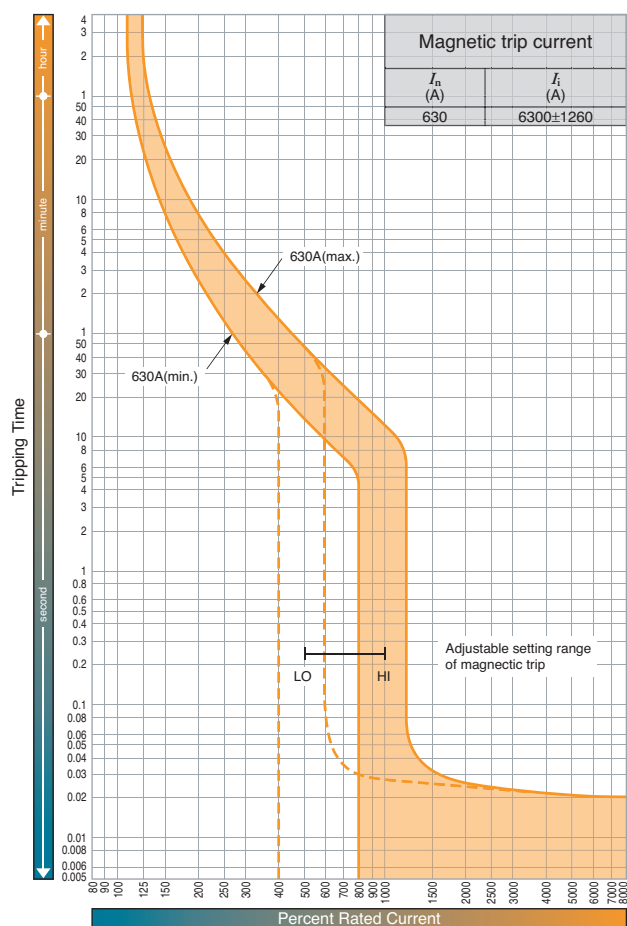
② 630A only

■ Standard • Optional - Not Available

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Time/Current Characteristic Curves

S800-NJ, (630A)



Time/Current Characteristic Curves

S800-NJ, (800A)

