

DATA SHEET: TEMBREAK 2 GS160-SJ MCCB

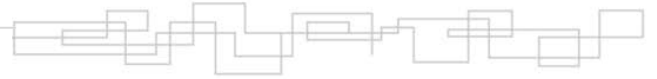
MCCB Electrical Characteristics to IEC 60947-2, EN 60947-2, JIS C 8201-2-1 ANN.1, NEMA AB-1

Frame Reference	Quantity	Unit	Condition	TB2 Lite 160
Max in (A) of Frame				160
Model				S160
Number of Poles				3, 4
Type				SJ
Nominal current ratings				
	I_n	(A)	50°C	25,40,63,80 100,125,160
Electrical characteristics				
Rated operational voltage	U_e	(V)	AC 50/60 Hz DC	690 250
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	6 10 25 40 50 25
Service breaking capacity (IEC, JIS, AS/NZS)	I_{cs}	(kA)	690V AC 525V AC 440V AC 400/415V AC 220/240V AC 250V DC	3 7.5 13 20 25 13
Rated breaking capacity (NEMA)		(kA)	480V AC 240VAC	10 50
Protection				
Fixed thermal, fixed magnetic				-
Adjustable thermal, fixed magnetic				■
Utilisation category				A
Installation				
Front connection (FC)				■
Extension bar (FB)				•
Cable clamp (FW)				■ ①
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	10,000② 20,000

■ Standard • Optional - Not Available

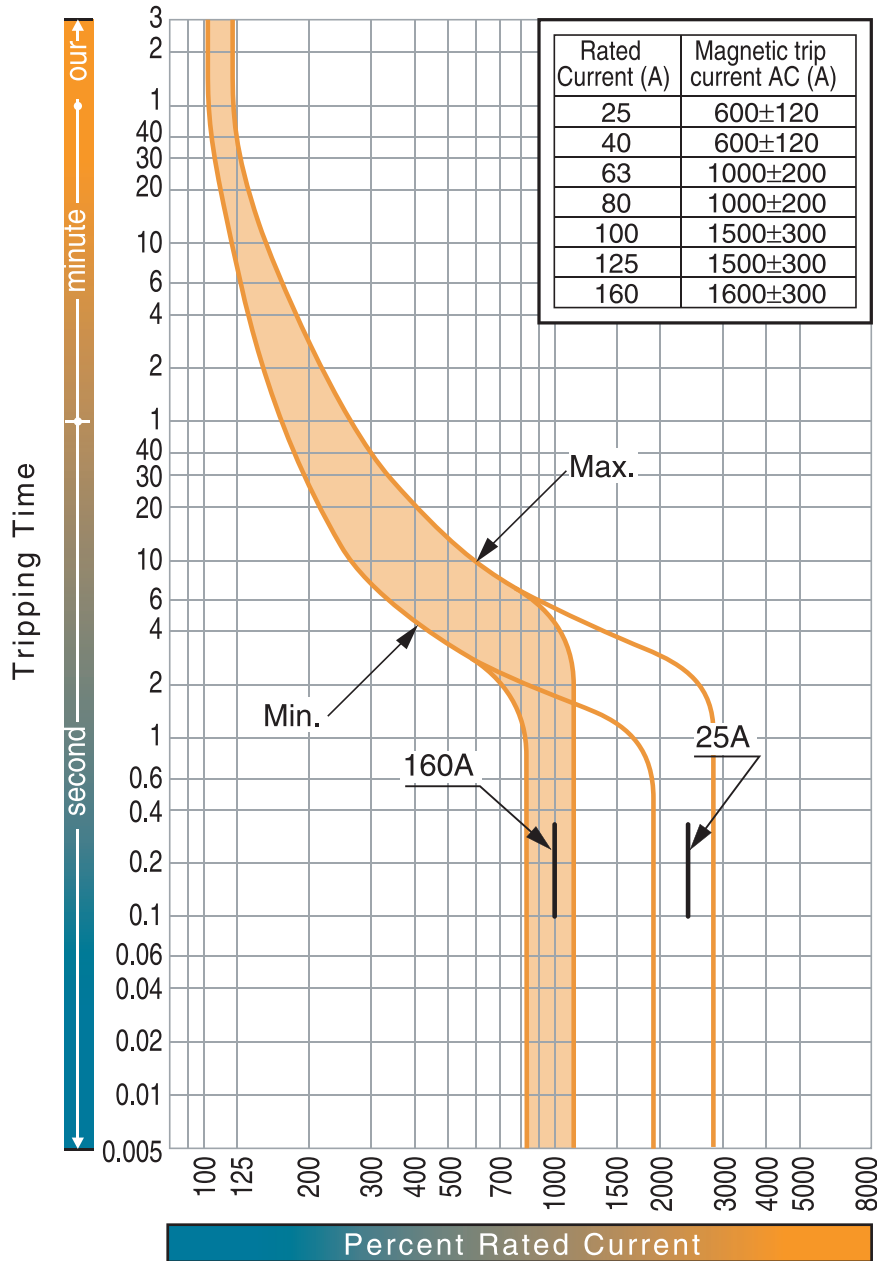
① Factory-fit at time of order

② 14,000 ≤125A



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Time/Current Characteristic Curves GS160-SJ





Dokument/document Försäkran om överensstämmelse/ Declaration of conformity		Utgåva datum/edition date 2018-08-22
Avdelning/department Produkt/Product		
Ansvarig/prepared Robert Nydén	Version 5	Sida/page 1 av/of 1

Manufacturer/Tillverkare: GARO AB
Box 203
S-335 25 GNOSJÖ
Sweden

Telephone: +46 (0)370 33 28 00
Internet: www.garo.se

Agent established within EC/Ombud etablerad inom EG

Telephone:
Internet:

Agent of equipment/Materielslag: Moulded Case Circuit Breaker, MCCB/Effektbrytare, MCCB

Trade Mark/Varumärke: GARO

Type Designation/Typbeteckning: GS160SCJ , SJ ,GS400-NE, 3- and 4-pole, GS250-NE, 3- and 4-pole

We hereby declare that our product fulfils the requirements of following EC directives/

Vi intygar härmed att vår produkt uppfyller krav enligt följande EU direktiv:

- The Low Voltage Directive (LVD) 2014/35/EU / Lågspänningsdirektivet (LVD) 2014/35/EU.**
- Electromagnetic compatibility (EMC) 2014/30/EU / Elektromagnetisk kompatibilitet (EMC) 2014/30/EU.**
- Radio Equipment Directive 2014/53/EU (RED) 2014/30/EU / Radiodirektivet (RED) 2014/53/EU.**
- RoHS Directive (RoHS) 2011/65/EU / RoHS direktivet (RoHS) 2011/65/EU.**
- No electromagnetic compatibility (EMC 2014/30/EU) immunity or emission tests are required on the assembly /** Produkten innehåller inte elektroniska apparater som påverkas enligt förbehållen enligt direktivet (EMC) 2014/30/EU.

The following harmonised standards (latest edition) or technical specifications which comply with good engineering practice in safety matters in force within the EC have been used in the design:/

Följande harmoniserade standarder (senaste utgåva) eller tekniska specifikationer som uppfyller god säkerhetsteknik praxis inom EG har använts i konstruktionen: **EN 60947-1 and/och 60947-2**

- The equipment confirms completely with the above stated harmonised standards or technical specifications./** Materielen överensstämmer helt med ovan angivna harmoniserade standarder eller tekniska specifikationer.

Or/Eller

- The equipment confirms only partially with the above stated harmonised standards or technical specifications but complies with good practice in safety matters in force within the EC./** Materielen överensstämmer endast delvis med ovan angivna harmoniserade standarder eller tekniska specifikationer, men uppfyller god säkerhetsteknik praxis inom EG.

We have product surveillance according to CENELEC's harmonised requirements, documents CCA-201.

GARO AB
Company/Företag

2018-08-22
Date/Datum

Sign/Underskrift

Product Manager/Produktchef
Position/Befattning

Robert Nydén
Sign in printed letters/Namnförtydligande