



1200 AMPS SIEMENS 15 KV GENERATOR BREAKER

Siemens type 15-GMSG-0040-1200-104, circuit breakers, 1200 amps, 15 kv, 40 kA, 95 kv BIL, 125 vdc trip and close, built 2011

Section-1

- 1-1200 amps circuit breaker
- 1 -Pt drawer with 2 fused pts on utility side
- 1 -Protection relay SEL 351

Section-2

- 1 – Drawout pt drawer with two fused pts on bus side
- 1 -SEL high impedance differential relay SEL 589Z
- 1 - Ammeter with switch

Section No. **+K01**

SIEMENS Type **GM-SG** Main Bus Cont. Curr.(A) **1200** Momentary Current(kA) **62** rms **104** peak

Project No. **30087886-100** Sales No. **30087886** Rated Max. Volts (kV) **15** Short Time Current (kA) **40** Full Wave Impulse **95**

Serial No. **30087886-100-01** Date **07-2011** Compartment Cont. Curr (A) **---** Short Time Duration(s) **2.0** Access Type **---** Arcing Curr. (KA) **---** Arcing Time (s) **---**

Instr. **E50001-U229-A284-X-US00** Frequency (Hz) **60** Power Freq. Withstand (kV) **36**

BREAKER COMPARTMENT OF THIS SWITCHGEAR IS FOR USE WITH HIGH VOLTAGE CIRCUIT BREAKER OF SAME OR HIGHER RATING

Siemens Energy Inc.

Project No. **30087886-100** Sales No. **30087886**

Serial No. **30087886-100-01B** Date **07-2011**

Instr. **E50001-U229-A285-X-US00** Type **15-GMSG-0040-1200-104**

Bk. No. **---**

Rated Max. Volts (kV) **15** Rated Short Circuit (kA) **40** Cont. Curr. (A) **1200** Close & Latch (kA) **62** rms **104** peak

% DC Component **48** Asym. Factor S **---** Volt Range Factor K **1.0** Full Wave Lightning Impulse Volt (BIL)(kV) **95**

Short-Time Current (kA) **40** Short-Time Duration (s) **2.0** Interrupting Time (Cycles / ms) **5/83** Frequency (Hz) **60**

Operating Duty Cycle **O-0 .3 sec-CO-3 min-CO** Out-of-Phase Switch Curr. (kA) **---** Weight (Lbs / kg) **445/202**

OPERATOR DATA		
	Voltage	Range Amps Nominal
Motor	125 VDC	100-140 4.0
Close	125 VDC	100-140 2.1
Trip (Coil 1)	125 VDC	70-140 4.8
Wiring Diagram	GX-403-500-401	

CAPACITOR SWITCHING	
Class	
Cable Charging Current (A)	---
Isolated Capacitor Bank Current (A)	---
Back-to-Back Capacitor Bank Current (A)	---
Inrush Current-Max (Peak) (A)	---
Inrush Current Frequency-Max (Hz)	---

Siemens Energy Inc. Assembled in Queretaro, Mexico GX-002-106-002



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