



CERTIFIED DESIGN TEST REPORT  
G&W 38 kV/12.5 kA TI2 FAULT INTERRUPTER

This certification pertains to G&W fault interrupters applied in gas insulated switchgear. It is certified that the fault interrupter has met or exceeded the design tests listed below at the levels stated. These design tests have been conducted in accordance to ANSI C37.60, ANSI C37.71-2001, and C37.72-1987. It is also certified that the data and information is taken from actual tests.

**DESIGN TESTS**

1. Interrupting Current Tests

A. Ten Open shots at full interrupting level	12,500 Ampere @ 38 kV
B. Six Close-Open shots at full interrupting level	12,500 Ampere @ 38 kV
C. Fifty six shots at half interrupting level	6,000 Ampere @ 38 kV
D. Forty four shots at 20% interrupting level	2,000 Ampere @ 38 kV
E. Load Switching Test	630 Ampere @ 38 kV
F. Magnetizing Current Test	21 Ampere @ 38 kV
G. Cable Charging Test	40 Ampere @ 38 kV

2. Short Time Current Tests

A. Momentary Current Test	20kA ASYM
B. Making Current Test	20kA ASYM@38 kV
C. One Second Test	12.5kA SYM

3. Dielectric Tests

A. Impulse Withstand Test	150kV (1.2 x 50 microsecond)
B. 60 Hertz Withstand Test	70kV, one minute
C. DC Withstand Test	103kV, 15 minutes

4. Continuous Current Test

630 Ampere

5. Mechanical Life Test

2,000 operations

G&W ELECTRIC COMPANY

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