

TEST REPORT

NO. 1624.2090893.1024

GERSAN Elektrik Tic. ve San. A. S.
Tuzla Mermerciler Org. San. Bölgesi
yanyol cad. no. 6
P.K:57 TUZLA-ISTANBUL
TURKEY

CLIENT

GERSAN Elektrik Tic. ve San. A. S.

MANUFACTURER

Low-voltage power switchgear and controlgear assembly

TEST OBJECT

3200 A assembly

TYPE

Test sample

SERIAL NO.

			RATED CHARACTERISTICS GIVEN BY THE CLIENT
Rated voltage	U_n	415 V	
Rated operational voltage	U_e	415 V	
Rated insulation voltage	U_i	690 V	
Rated impulse withstand voltage	U_{imp}	6 kV	
Rated current of the assembly	I_{nA}	2750 A	
Rated peak withstand current	I_{pk}	143 kA	
Rated short-time withstand current	I_{cw}	65 kA, 1 s	
Rated conditional short-circuit current	I_{cc}	65 kA	
Rated frequency	f_n	50 Hz	
Degree of protection		IP1X	

IEC 61439-2: Edition 1.0: 2009-01

NORMATIVE DOCUMENT

Design verification of

- degree of protection
- clearances and creepage distances
- dielectric properties
- temperature rise
- short-circuit withstand strength

RANGE OF TESTS PERFORMED

11 January to 02 February 2010

DATE OF TEST

See Sub-clauses 4.6, 5.6, 6.6, 7.5 and 8.6

TEST RESULT



STEFAN SCHWANCK
Head of Centre of Competence
Low-Voltage & Railway Equipment



JÖRG KREMZOW
Test engineer in charge

Berlin, 17 June 2010

