

TEST CERTIFICATE

Issued to: SAS Power Industries FZE
P.O. Box 54505
RAS Al Khaimah
United Arab Emirates

For the product: Control , Relay Protection Panel

Trade name: SAS-GALFAR

Type/Model: Control , Relay Protection Panel for HV, EHV, UHV applications

Ratings: IP54, 2000 Vac - 60 s, for more details see annex - Page 1 of 1

Manufactured by: SAS Power Industries FZE
P.O. Box 54505
RAS Al Khaimah
United Arab Emirates

Subject: Design verification

Requirements: IEC 61439-2:2011
Clauses 10.2.2, 10.2.3.2, 10.2.5, 10.2.7, 10.3, 10.5.2, 10.9.2, 10.13

Remarks: -

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in report no. 2151980.01-INC, dated 16 October 2012.

The examination has been carried out on one single specimen of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

Arnhem, 16 October 2012

Number: 2151980.100

DEKRA Certification B.V.



H.L. Schendstok
Certification Manager

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All testing, inspection, auditing and certification activities of former KEMA Quality are an integral part of the DEKRA Certification Group.

Overview of product evaluation according to IEC 61439-2:

IEC 61439-2 Clause	Clause description	Tested ratings	Results
10.2	Strength of material and parts		-
10.2.2	Resistance to corrosion	Indoor	Pass
10.2.3	Properties of insulating materials		-
10.2.3.2	Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects	650 °C	Pass
10.2.5	Lifting	452 kg x 125 % = 565 kg	Pass
10.2.7	Marking	No test required, marking is made by moulding, pressing, engraving or similar.	Pass
10.3	Degree of protection of assembly	IP54	Pass
10.5	Protection against electric shock and integrity of protective circuits		-
10.5.2	Effective earth continuity between the exposed conductive parts of the assembly and the protective circuit	$R < 0,1 \text{ Ohms}$	Pass
10.9	Dielectric properties		-
10.9.2	Power-frequency withstand voltage	Utest 2000 Vac for 60 s *	Pass **
10.13	Mechanical operation	200 times	Pass

* The test duration was increased to 60 s by request of the manufacturer.

** The dielectric test was performed according to manufacturers requirements (refer to test report 2151980.01-INC for further details).