

Independent, accredited testing station - Member laboratory of STL and IQVAG

CERTIFICATE

of Design Verification Tests

NO. 1819.2130776.0500

ELSTEEL (Pvt) Ltd.
Spur Road-2, Phase-1, EPZ
Katunayake 11420
SRI LANKA

CLIENT

ELSTEEL (Pvt) Ltd.

MANUFACTURER

Power switchgear and controlgear assembly

TEST OBJECT

2500A ELSTEEL TECHNO MODULE MDB

TYPE

Test sample

SERIAL NO.

				RATED CHARACTERISTICS GIVEN BY THE CLIENT
Rated operational voltage	U_e	415	V, AC	
Rated insulation voltage	U_i	690	V, AC	
Rated impulse withstand voltage	U_{imp}	4	kV	
Rated current of the assembly	I_{nA}	2500	A	
Rated conditional short-circuit current	I_{cc}	50	kA	
Rated peak withstand current	I_{pk}	176	kA	
Rated short-time withstand current / busbar	I_{sw}	65/80	kA, 1 s	
Rated short-time withstand current / assembly	I_{sw}	50	kA, 1 s	
Rated frequency	f_n	50	Hz	
Degree of protection of enclosure		IP31		
Internal separation		Form 4b		

IEC 61439-1: 2011-08
IEC 61439-2: 2011-08

NORMATIVE DOCUMENT

Verification of

RANGE OF TESTS PERFORMED


- strength of material and parts
- degree of protection of enclosures
- clearances and creepage distances
- protection against electric shock and integrity of protective circuits
- dielectric properties
- temperature-rise limits
- short-circuit withstand strength
- electromagnetic compatibility (EMC)
- mechanical operation

14 August to 30 October 2013

DATE OF TEST

The tests for design verification related to the scope of tests have been PASSED.

TEST RESULT


RONALD BORCHERT
Senior engineer


LARS EBERSCHULZ
Test engineer in charge

Berlin, 05 December 2013



Independent test laboratory accredited by the German Accreditation Body DAkkS Deutsche Akkreditierungsstelle GmbH in the fields of high-voltage switchgear and their components, cables and conductors as well as industrial low-voltage apparatus.
IPH Institut „Puffel für elektrische Hochleistungstechnik“ GmbH (IPH Berlin) is a subsidiary of CESI S.p.A, Milan.

