

CERTIFICATE

of Selected Design Verification Tests

NO. 07992-18-0180

VDE Prüf- und Zertifizierungsinstitut GmbH Business Section TL34 Landsberger Allee 378A 12681 Berlin GERMANY			CLIENT
Hager Lumetal S.p.A. Via Pieve 27 33080 Porcia (PN) ITALY			MANUFACTURER
Power switchgear and controlgear assembly			TEST OBJECT
Six different QP5 1600 samples of Quadro plus basic series			TYPE
Test sample			SERIAL NO.
Rated operational voltage	U_e	AC 400 V	RATED CHARACTERISTICS GIVEN BY THE CLIENT
Rated current of the assembly	I_{NA}	1600 A	
Rated conditional short-circuit current	I_{cc}	up to 50 kA	
Rated peak withstand current	I_{pk}	105 kA	
Rated short-time withstand current	I_{sw}	50 kA, 1 s	
Rated frequency	f_n	50 Hz	
Degree of protection of enclosure Internal separation		IP55 2b	
IEC 61439-2: 2011-08 IEC 61439-1: 2011-08			NORMATIVE DOCUMENT
Verification of <ul style="list-style-type: none"> protection against electric shock and integrity of protective circuits (105.3 only) short-circuit withstand strength 			RANGE OF TESTS PERFORMED
07 to 14 March 2018			DATE OF TEST
The tests for design verification related to the scope of tests have been PASSED.			TEST RESULT



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



ANTJE KÖHLER
Test engineer in charge

Berlin, 06 July 2018

