




CERTIFICATE FI 28561

Our Ref. 276169-1, 260126-1

Product	Control board system
Type	TP...
Certificate Holder/ Manufacturer	Tas-Power Oy Hyttimestarinkuja 4 FI-02780 ESPOO FINLAND
Technical information	I_{nA} 1000 A (max), U_n 1000 V (max), 1...3/N/PE, IP20...IP66
Other information	See the Appendix to this Certificate
The product is certified according to the following standard(s)	EN 61439-1:2011 EN 61439-2:2011 EN 61439-3:2012
Validity	This certificate is valid until 13 May 2019 unless the standard in question has been amended or superseded with significant changes in requirements, in which case, SGS Fimko has the right to shorten the validity of the certificate based on the legislation of the European Union. This certificate includes the right to use the FI mark under the condition that changes (if any) will be checked at SGS Fimko before the product is brought onto market and that the conditions for FI certification are met.
Directive information	The product(s) fulfils the essential safety requirements for CE conformity marking according to the Low Voltage Directive (2006/95/EC) at the date of issue of the certificate.
Date of issue	13 May 2014
Signature	SGS Fimko Ltd  Sixten Lökfors Project Manager



This certificate has 1 appendix



This certificate is issued by the company under its General Conditions for Certification Services accessible at <http://www.sgs.fi/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitations of liability defined therein and in the Test Report here above mentioned which findings are reflected in this certificate. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Manufacturing site Tas-Power Oy
 Hyttimestarinkuja 4
 FI-02780 ESPOO
 FINLAND

Additional information This certificate replaces Certificate FI 25898 dated 20 May 2010, due to updated standards.

CUBICLE-TYPE ASSEMBLY / BOX-TYPE ASSEMBLY / DESK-TYPE ASSEMBLY

Short-circuit strength	$I_{cc} / I_{cw} < 10 \text{ kA}$, $I_{pk} < 17 \text{ kA}$ or tested value
EMC Environment	A and/or B
Functional units	Fixed parts
Enclosure	EN 62208
- Degree of protection (EN 60529)	IP20...IP66
- Mechanical strength (EN 62262)	IK06...IK10
- Protection class against electric shock	I or II
- Material	Metallic or insulating material
Installation method	For surface mounting / floor standing / flush mounting
Other standards (applicable parts)	EN 60204-1 or IEC 60092-302

Other information

A degree of protection provided by enclosure (IP20...IP66) of a switchgear and controlgear assembled from the switchgear and controlgear assembly system is determined taking into account the IP code of the enclosure to be used, and the tightness (IP code) of the components installed through the enclosure.

It shall be verified that the components to be used in the switchgear and controlgear assembly comply with the relevant standards.

The EMC requirements for the switchgear and controlgear assembly are given in Annex J of standard EN 61439-1.

The items to be agreed upon by the manufacturer and the user/orderer of the switchgear and controlgear assembly are given in Annex C of standard EN 61439-1.

The conformity of switchgear and controlgear assembled from the switchgear and controlgear assembly system with the design of the tested assembly and fulfilment of the requirements given in the standards for which the certification of the system is based on shall be verified by routine tests (EN 61439-1 clause 11).