



# CERTIFICATE FI 30639

Our Ref. 294912-

**Product** Switchgear and controlgear assembly system

**Type** FTS-...

**Certificate Holder/  
Manufacturer** Fibox Tested Systems Oy  
Hovinpelto 2  
FI-74700 KIURUVESI  
FINLAND

**Technical information**  $I_{nA}$  1600 A (max),  $U_n$  1000 V (max), 1...3/N/PE, IP20...IP66/IP67

**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 15 November 2023 provided that the Conditions for FI certification are met. This certificate includes the right to use the FI mark under the condition that product changes (if any) will be approved at SGS Fimko before the product is brought onto market.

**Directive information** The certified product(s) fulfils requirements of above mentioned standard(s) which are harmonised under the Low Voltage Directive (2014/35/EU) at the date of issue of the certificate.

**Date of issue** 15 November 2018

**SGS Fimko Ltd**

**Signature**

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.

Appendix to Certificate: 30639

**Manufacturing sites**

Fibox Tested Systems Oy  
Hovinpelto 2  
FI-74700 KIURUVESI  
FINLAND

Fibox Tested Systems Oy  
Rajasilta 6  
FI-33800 LEMPÄÄLÄ  
FINLAND

Fibox Sp. z o.o.  
ul. Dzieciola 19  
04-988 WARSZAWA, POLAND

**Additional information**

This certificate replaces Certificate FI 28158 A1 dated 21 September 2016, due to updated address of Lempäälä Manufacturing site.



<b>Short-circuit strength (max) tested value</b>	$I_{cc} / I_{cw} < 10 \text{ kA}, I_{pk} < 17 \text{ kA}$ or
<b>EMC Environment</b>	A and/or B
<b>Functional units</b>	Fixed parts
<b>Enclosure</b>	EN 62208
- Degree of protection (EN 60529)	IP20...IP66/IP67
- Mechanical strength (EN 62262)	IK06...IK10
- Protection class against electric shock	I or II
- Material	Metallic or insulating material
<b>Installation method</b>	For surface mounting / floor mounting
standing / flush	
<b>Other standards (applicable parts)</b>	EN 60204-1:2006 + A1:2009

**Other information**

A degree of protection provided by enclosure (IP20...IP66IP67) 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).