

1. **EU-TYPE EXAMINATION CERTIFICATE**
2. **Equipment or Protective System Intended for use in Potentially explosive atmospheres  
Directive 2014/34/EU**
3. EU-Type Examination Certificate Number: **EESF 20 ATEX 047X**
4. Product: **Safety switches**  
 Certified types: **KUA xx, KUR xx, KEA xx, KER xx, TKK xx**
5. Manufacturer: **KATKO Oy, FINLAND**
6. Address: **Ruosilantie 2, 00390 Helsinki, Finland**
7. This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
8. Eurofins Expert Services Oy, Notified Body number 0537, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.  
  
 The examination and test results are recorded in confidential report No. FI/VTT/ ExTR07.0003/00.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
  
**EN IEC 60079-0:2018                      EN 60079-31:2014**
10. If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
11. This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
12. The marking of the product shall include the following:


**II 3D    Ex tc IIIC T65°C Dc**

 Espoo, 15.4.2020  
**Eurofins Expert Services Oy**

 Kari Koskela  
 Expert

 Tony Myllylä  
 Expert

This document is digitally signed.



13. **Schedule**

 14. **EU-Type Examination Certificate EESF 20 ATEX 047X**

 15. **Description of Product**
Rated values:

Voltage: Max 690 V

Current: 16-160 A

Components:

Enclosures: A2EX, A3EX, H23EX, H32EX, H02EX, H24Ex, H34EX, H02REX

Handles: LK10, LK11, LK11 IP69K

Switches: Document list KATKO\_ATEX\_PRODUCTS\_2020, dated 1.4.2020

Cable glands: Type Perfect\*\*\*, Manufacturer Jacob GmbH Electrotechnische Fabrik,

EEX e II (DMT 99 ATEX E016)

Blanking devices (plugs): Type Perfect\*\*\*, Manufacturer Jacob GmbH Electrotechnische Fabrik,

EEX e II (DMT 99 ATEX E016)

The cable glands, the blanking devices may be replaced by equivalent Ex- certified devices.

Degree of protection:

IP66 and IP69

Documents:

- Document list KATKO\_ATEX\_PRODUCTS\_2020, dated 1.4.2020

 16. **Report Number**

FI/VTT/ ExTR07.0003/00

 17. **Specific Conditions of Use**

- The minimum tightening torque of screws of cover and gland plates shall be 1,8...2 Nm.
- Number of cable glands: Max 5 pcs

 18. **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements are covered by the standards listed at item 9.

 19. **Drawings and Documents**

Drawings and documents are listed in the confidential report and above.

 20. **Certificate History**

Issue	Date	Report No.	Change
VTT 07 ATEX 038X	4.10.2007	FI/VTT/ExTR07.0003/00	Prime certificate

VTT 07 ATEX 038X Issue 1	1.12.2012	-	The equipment has been assessed to be in compliance with new editions of the standards as referred in the clause 9.
VTT 07 ATEX 038X Issue 2	12.6.2017	-	Two new switches added and the equipment has been assessed to be in compliance with new editions of the standards as referred in the clause 9 and hence to be in compliance with the new directive 2014/34/EU.
EESF 20 ATEX 047X	14.4.2020	-	<p>Three new enclosures and one new handle added. The equipment has been assessed to be in compliance with the new editions of the standards as referred in the clause 9.</p> <p>The manufacturer's address has changed.</p> <p>Certificate number has changed due to the name change of the Notified Body</p>