



1. **TYPE EXAMINATION CERTIFICATE**
2. **Equipment or Protective System Intended for use in Potentially explosive atmospheres Directive 94/9/EC**
3. Reference: **VTT 07 ATEX 038X Issue 1**
4. Equipment: **Safety switches**
Certified types: **KUA xx, KUR xx, KEA xx, KER xx, TTK xx**
5. Manufactured by: **KATKO Oy, FINLAND**
6. Address: **Karhunkierros 6
FI-01640 VANTAA
Finland**
7. These equipment and any acceptable variations thereto are specified in the schedule and possible supplements to this Certificate and the documents therein referred to.
8. VTT Expert Services Ltd, Certification Body No.S017 accredited by the Finnish Accreditation Service (FINAS), certifies that this equipment has been found to comply with the Essential Health and Safety Requirements in Annex II to European Union Directive 94/9/EC of March 1994 relating to the design and construction of Category 3 equipment intended for use in potentially explosive atmospheres.

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 60079-0 (2009)
EN 60079-31 (2009)



10. If there appears sign X in the code, there are special conditions for safe use which are specified in the Annex of this Certificate.
11. This Type examination certificate relates only to the design, examination and tests of the specified equipment in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of these equipment. These are not covered by this certificate.
12. The marking of the equipment shall include the following:



II 3 D

Ex tc IIC T65°C Dc

Espoo, 1.2.2012

VTT Expert Services Ltd



Martti Siirola
Senior Expert



Risto Sulonen
Product Manager

Certificate without signatures shall not be valid.

This certificate, including the schedule, may only be reproduced in its entirety and without any change.

13. **Schedule**

14. **TYPE EXAMINATION CERTIFICATE VTT 07 ATEX 038X Issue 1**

15. Description of Equipment

Rated values

Voltage: Max 690 V
Current: 16-160 A

Components

Enclosures:
A2EX, A3EX, H23EX, H32EX and H02EX

Switches: Document list KATKO_ATEX_PRODUDCT, dated 2.10.2007

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 closing devices and the components given above may be replaced by equivalent Ex-certified components.

Degree of protection IP 66

Documents

Construction:

Document list KATKO_ATEX_PRODUCTS, dated 2.10.2007

16. Report No. FI/VTT/ExTR07.0003/00.

17. Special conditions for safe 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

Met by the compliance with the standards referred in the clause 9.

Certificate history

Issue	Date	Report No.	Comment
-	4.10.2007	FI/VTT/ExTR06.0003/00	Prime certificate
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.

Espoo, 1.12.2012

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