EU-TYPE EXAMINATION CERTIFICATE



Equipment or Protective System intended for use in Potentially Explosive Atmospheres

Directive 2014/34/EU

- [3] EU-Type Examination Certificate Number: UL 20 ATEX 2419 Rev. 1
- [4] Product: MTS Switch, Models MTS-11** and MTSM-11**
- [5] Manufacturer: **TopWorx Inc.**

[1]

[2]

- [6] Address: 3300 Fern Valley Road, Louisville, KY 40213 USA
- [7] This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to
- [8] UL International Demko A/S, notified body number 0539 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

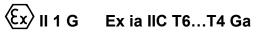
The examination and test results are recorded in confidential report no. US/UL/ExTR20.0103/01.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN 60079-11:2012

- [10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to special conditions for safe 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 the certificate.
- [12] The marking of the product shall include the following:



Ex II 2 D Ex ia IIIC T85°C...T135°C Db

Certification Manager Jan-Erik Storgaard

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2020-07-31 Re-issued: 2022-08-17

Notified Body UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark

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[13] [14]

Schedule EU-TYPE EXAMINATION CERTIFICATE No.

UL 20 ATEX 2419 Rev. 1

[15] <u>Description of Product</u>

The MTS/MTSM Switch is an Intrinsically Safe magnetic switch. The switch is housed in a stainless-steel enclosure and fully encapsulated. The switch is powered by an Intrinsic Safety Barrier in accordance with the entity parameters provided. The difference between the MTS and MTSM relates only to the type of conduit entry. See nomenclature for details.

Nomenclature:

MTS	1	1	S	Х	Х
1	П	Ш	IV	V	VI

Body Tube, Conduit Entry
 MTS – 5/8-18 Body, ½ NPT Entry
 MTSM – M18X1.0 Body, M20X1.5 Entry

II. Contact Form

1 - 0.25 mA MAX SPDT

III. Area Classification

1 - Hazardous Locations Global

IV. Termination

A - Flying Leads

S - Silicone Cable

B - PVC Cable

V. Designates Regional Approval

Blank

Any letter of number

VI-IX. Designates internal customer identification

Blank

XXXX - Any 4-digit alphanumeric designation

Temperature range:

The relation between ambient temperature and the assigned temperature class is as follows:

Ambient temperature range

-40 °C to +70 °C -40 °C to +85 °C Temperature class

T6, T85°C T4, T135°C

Electrical data Intrinsically safe specifications: Ui = 30V Ii = 250 mA

Routine tests

N/A

[16] <u>Descriptive Documents</u>

The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this EU-Type Examination Certificate.

[17] Specific conditions of use:

None

[18] <u>Essential Health and Safety Requirements</u>

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information

The MTS/MTSM Switch has in addition passed the tests for Ingress Protection to IP 66/67 in accordance with EN 60529:1991+A1:2000+A2:2013.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in Annex III to Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014.

