

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 2406 Rev. 0**

[4] Product: **MTS/MTSM Proximity Switches**

[5] Manufacturer: **Topworx Inc.**

[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. **4789489949.5.1**

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

EN IEC 60079-0:2018 EN 60079-1: 2014 EN 60079-31:2014

[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:

II 2 G **Ex db IIC T6...T4 Gb**
 II 2 G **Ex db IIC T5...T4 Gb**
 II 2 D **Ex tb IIIC T85°C...T135°C Db**
 II 2 D **Ex tb IIIC 100°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: 2020-08-18

Notified Body

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
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Description of Product

These devices are enclosed proximity switches with a ferrous actuator approximately equal to the area of the end. These devices are provided with integral leads and are provided with a threaded conduit opening. Devices are externally threaded for mounting.

Nomenclature:

MTS 2 2 A x x
I II III IV V VI

I – Designates the Model

- MTS – 5/8" – 18 Mounting thread, 1/2" NPT conduit entry
- MTSM – M18 – Mounting thread, M20 conduit entry

II – Designates the contact form

- 2 – 1A MAX, SPDT (Form C) Hermetically Sealed
- 3 – 3A MAX, SPDT (Form C) Hermetically Sealed

III – Designates the area classification

- 1 – Hazardous locations

IV – Designates the lead wire options

- A – Flying Leads
- B – PVC Cable
- S – Silicone Cable

V - Designates Regional Approval

- Blank
- Any letter or number

VI – 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 | Temperature class |
|---------------------------|---|
| -40°C to +70 °C | Model MTS/MTSM followed by 2: T6, T85°C Model MTS/MTSM followed by 3: T5, T100°C |
| -40°C to +85 °C | All models: T4, T135°C |

Electrical data

For Model MTS/MTSM followed by 3: 120 Vac, 3 A
240 Vac, 1.5 A
24 Vdc, 2 A

For model MTS/MTSM followed by 2: 120 Vac, 0.2 A
24 Vdc, 1 A

Routine tests

N/A

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Descriptive Documents

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

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Specific conditions of use:

None.



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[14]

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Essential Health and Safety Requirements

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

Additional information

The Model MTS and MTSM have in addition passed the tests for Ingress Protection to IP 66, IP67 in accordance with EN60529:1991+A1:2000+A2:2013.

TOPWORX

The trademark  will be used as the company identifier on the marking label.

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.