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Schedule

EU-TYPE EXAMINATION CERTIFICATE No.

UL 20 ATEX 2419 Rev. 1

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Description of Product

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	x	x
I	II	III	IV	V	VI

- I. 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	Temperature class
-40 °C to +70 °C	T6, T85°C
-40 °C to +85 °C	T4, T135°C

Electrical data

Intrinsically safe specifications:

Ui = 30V
li = 250 mA

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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Essential Health and Safety Requirements

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.

