



# IECEx Certificate of Conformity

Certificate No.:IECEx BAS 20.0079UDate of issue:2021-08-18Manufacturer:Eaton Electric Limited Great Marlings Butterfield Luton Bedfordshire LU2 8DL United KingdomAdditional manufacturing locations:MTL Instruments Pvt Limited No 3 Old Mahabalipuram Road Sholinganallur	
Manufacturer: Eaton Electric Limited   Great Marlings Butterfield   Luton Bedfordshire   LU2 8DL United Kingdom   Additional MTL Instruments Pvt Limited   No 3 Old Mahabalipuram Road	Page 2 of 4
Additional MTL Instruments Pvt Limited   Model No 3 Old Mahabalipuram Road	Issue No: 1
manufacturing No 3 Old Mahabalipuram Road	
Chennai 600119 India	
This certificate is issued as verification that a sample(s), representative of pro IEC Standard list below and that the manufacturer's quality system, relating to found to comply with the IECEx Quality system requirements. This certificate Rules, IECEx 02 and Operational Documents as amended <b>STANDARDS</b> : The equipment and any acceptable variations to it specified in the schedule of to comply with the following standards	to the Ex products covered by this certificate, was assessed and is granted subject to the conditions as set out in IECEx Scheme
IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General Edition:7.0	requirements
<b>IEC 60079-18:2017</b> Explosive atmospheres - Part 18: Protection by encap Edition:4.1	sulation "m"
IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection Edition:5.1	by increased safety "e"
This Certificate <b>does not</b> indicate compliance with other than those expressly included in	safety and performance requirements the Standards listed above.
<b>TEST &amp; ASSESSMENT REPORTS:</b> A sample(s) of the equipment listed has successfully met the examination an	d test requirements as recorded in:
Test Reports:	
GB/BAS/ExTR20.0198/00 GB/BAS/ExTR21.0147/00	

Quality Assessment Reports:

GB/BAS/QAR06.0022/08 GB/BAS/QAR07.0017/09



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Issue No: 1

#### Ex Component(s) covered by this certificate is described below:

2021-08-18

The FS32-XE Surge Protection Devices are designed to provide protection for sensitive electronic equipment, and it is intended to be mounted within a Hazardous Area.

The component comprises a diode bridge, two 3-terminal gas discharge tubes, a pair of varistors and a fuse, all mounted on a printed circuit board. This assembly is fully encapsulated within a plastic enclosure, which is provided with three input terminals (+, S & -) in addition to a mounting foot, which provides the earth connection.

### Input: Field Terminals (+, S, -)

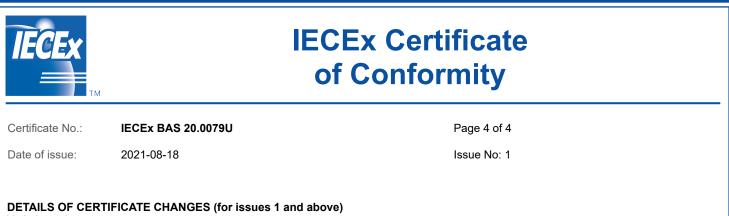
Max rated input: 36Vdc, 2A

## Output: Surge Protected Terminals (+, S, -)

As input.

## SCHEDULE OF LIMITATIONS:

- 1. The FS32-XE demonstrates a surface temperature rise of <5°C when operating in the most onerous operating conditions. A Temperature Classification of T4 in a +80°C ambient would be considered applicable.
- The FS32-XE is suitable for use within equipment with an Equipment Protection Level of Gb. The FS32-XE may also form part of a Group III circuit within equipment with an Equipment Protection Level of Db or be used within equipment supplying equipment located within a Group III area (i.e. Equipment Protection Level of [Db]).
- 3. The FS32-XE must be installed in equipment such that it is afforded a degree of protection of at least IP54 in accordance with EN IEC 60079-0, EN 60079-7 and EN 60529.
- 4. The equipment in which the FS32-XE is installed will not be capable of withstanding a 500Vac isolation test voltage between all inputs to earth. This must be taken into account during installation.
- 5. The PCB Header connector must be mated with an appropriately certified connector. See manufacturer's instructions.



Variation 1.0

To correct the protection code to Ex eb mb IIC Gb (-40°C < Ta +80°C).

ExTR: GB/BAS/ExTR21.0147/00

File Reference: 18/0549