

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: **Baseefa19ATEX0073X – Issue 1**
- 4 Product: **FCS-9512-304xx MTL Foundation Fieldbus Junction Box**
- 5 Manufacturer: **Eaton Electric Limited**
- 6 Address: **Great Marlings, Butterfield, Luton, Bedfordshire, LU2 8DL, United Kingdom**
- 7 This re-issued certificate extends EU Type Examination Certificate No. Baseefa19ATEX0073X to apply to product designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.
- 8 SGS Fimko Oy, Notified Body number 0598, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- 8.1 The original certificate was issued by SGS Baseefa Ltd (UK Notified Body 1180). It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy (EU Notified Body 0598). The original certificate number is retained.
- The examination and test results are recorded in confidential Report No. (see certificate history)
- 9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018 EN 60079-18:2015+A1:2017
except in respect of those requirements listed at item 18 of the Schedule.
- 10 If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of 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 this certificate.
- 12 The marking of the product shall include the following :
- ⊕ II 2G Ex eb mb IIC T4 Gb (-40°C ≤ T_a ≤ +65°C)**

SGS Fimko Oy Customer Reference No. **0703**

Project File No. **23/0288**

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Schedule

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Certificate Number Baseefa19ATEX0073X – Issue 1

15 Description of Product

The FCS-9512-304xx MTL Foundation Fieldbus Junction Box enables up to twelve individual field devices in a Zone 1 hazardous area to be connected to a high energy trunk cable. The equipment can be fitted with either one or two F2xx-XE Relcom Megablock Fieldbus Connection Blocks, together with certified terminals housed in a sheet steel IP66 rated enclosure. The sheet steel IP66 rated enclosure (min. size 306mm x 306mm x 160mm) in which the equipment is housed is currently component certified under IECEx BAS 15.0071U for markings of Ex eb IIC Gb and Ex tb IIIC Db. One face of the external wall permits the following entries: an IP66 Ex ‘e’ certified breather and up to 14 Ex ‘e’ certified cable glands and/or stopping plugs.

The internal construction of the equipment fitted with the following specific components:

- Either:
 - 1 off F271-XE, 1 off F259-XE, 1 off F253-XE, 1 off F251-XE, 2 off F245-XE or 2 off F247-XE Ex eb mb certified Relcom Fieldbus XE Megablock(s) currently afforded Certificate No. KEMA 05ATEX2006X.
- Up to 10 off Ex e Terminals of Type WDU2.5 currently afforded Certificate No. DEMKO 14 ATEX 1338U

The ‘xx’ at the end of the model number can be a number denoting the configuration of the equipment. The differences between the configurations do not affect the certification.

The equipment is suitable for use in an ambient temperature of -40°C to +65°C.

The power ratings of the equipment are 30V d.c at 1.5A.

The internal parts within the enclosure are listed on the table below:

Item	Certificate	Code	Standards
Enclosure Type XL	Baseefa15ATEX0099U	⊕ II 2 G Ex eb IIC Gb ⊕ II 2D Ex tb IIIC Db	EN IEC 60079-0:2018 EN 60079-7:2015 +A1:2018 EN 60079-31:2014
Fieldbus XE Megablock CS-MBT-XE Terminator (optional)	KEMA 05ATEX2006X	⊕ II 2 G Ex eb mb IIC T4 Gb	EN 60079-0:2012 + A11: 2013 EN 60079-7: 2015 EN 60079-18: 2015
WDU2.5V Feed Through Terminal Blocks	DEMKO14ATEX1338U	⊕ II 2 GD Ex eb IIC Gb	EN IEC 60079-0: 2018 EN 60079-7: 2015 + A1: 2018

Where the above certified components forming part of the equipment are certified the same or newer editions of the standards than those listed for the FCS-9512-304xx MTL Foundation Fieldbus Junction Box, the differences between the editions of the standards listed have been reviewed and determined to have no technical differences affecting the equipment.

16 Report Number

See certificate history.

17 Specific Conditions of Use

1. Models with a hinged lid shall only be mounted in a vertical orientation, and care is required during installation and when opening the hinged lid, to ensure the enclosure does not distort.
2. Cable entry holes shall be fitted with “eb” equipment certified cable glands. The operating temperature range and ingress protection rating of the equipment is limited to those of the fitted glands.
3. Unused entry holes shall be fitted with “eb” equipment certified stopping plugs. The operating temperature range and ingress protection rating of the equipment is limited to those of the fitted stopping plugs.

4. Only breather/drain devices that are “eb” equipment certified may be fitted. They shall be suitable for the enclosure wall thickness to ensure draining can occur. The operating temperature range and ingress protection rating of the equipment is limited to that of the fitted breather/drain device.
5. Only adaptor/reducer devices that are “eb” equipment certified may be fitted. The operating temperature range and ingress protection rating of the equipment is limited to those of the fitted adapter/reducer devices.
6. Unused terminals inside the equipment shall be tightened.

18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
1.2.7	Protection against other hazards
1.2.8	Overloading of equipment
1.4.1	External effects
1.4.2	Aggressive substances, etc.

19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
CI9500-28	1 & 2	2	7.24	FCS-9512-304x Process Junction Box

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
CI9500-29	1 of 1	1	7.19	Process Junction Box – Certification Label

All drawings are common with IECEx Certificate No. IECEx BAS 19.0061X

20 Certificate History

Certificate No.	Date	Comments
Baseefa19ATEX0073X	20 August 2019	The release of the prime certificate. The associated test and assessment against the requirements of EN 60079-0: 2012 + A11:2013, EN 60079-7: 2015, & EN 60079-18: 2015 is documented in GB/BAS/ExTR19.0178/00 for project 19/0352.
Baseefa19ATEX0073X Issue 1	9 September 2024	This issue of the certificate incorporates previously issued primary & this supplementary certificate into one certificate, permits the use of an alternative enclosure, and confirms the current design meets the requirements of EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018, & EN 60079-18:2015+A1:2017. See GB/SGS/ExTR24.0115/00 for project 23/0288.
For drawings applicable to each issue, see original of that issue.		