1 # EU - TYPE EXAMINATION CERTIFICATE

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU**

3	EU - Type Examination Certificate Number:	**Baseefa16ATEX0098X – Issue 2**
4	Product:	**FCS-9504-XXX 4 Spur Megablock Enclosure**
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. Baseefa16ATEX0098X 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 60079-1: 2014 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 :

Ex II 2G Ex db eb mb IIC T4 Gb -40°C ≤ Ta ≤ +60°C

SGS Fimko Oy Customer Reference No. **0703** Project File No. **23/0288**

SGS Fimko Oy
Takomotie 8
FI-00380 Helsinki, Finland
Telephone +358 (0)9 696 361
e-mail sgs.fimko@sgs.com
web site www.sgs.fi
Business ID 0978538-5 Member of the SGS Group (SGA SA)

Mikko Välimäki
SGS Fimko Oy

13 # Schedule

14 ## Certificate Number Baseefa16ATEX0098X – Issue 2

15 Description of Product

The FCS-9504-XXX (where XXX can include182-212) 4 Spur Megablock Enclosure is an assembly of Ex certified components. The equipment is fitted with one F2XX-XE MTL Relcom Megablock. The enclosure is populated with; terminal blocks, a surge protector and a Megablock, all of which are Ex certified.

The sheet steel IP66 rated enclosure (260mm x 260mm x160mm) in which the equipment is housed is currently component certified under IECEx BAS 15.0071U for markings of Ex eb IIC Gb. One face of the external wall permits the following entries: an Ex certified IP66 rated breather/drain (factory fitted) may be fitted together with a combination of up to 8 off Ex e certified accessories which can include; cable glands, thread adaptors and or blanking elements.

The internal construction of the equipment contains the following specific components:

- 1 off Ex mb certified 4 way of type F245-XE or F247-XE Megablocks currently afforded certificate number IECEx DEK 16.0036X.
- Up to 6 off Ex e terminals of either type WDU2.5 currently afforded certificate number IECEx ULD 14.0005U.
- Up to 3 off Ex e terminals of type WDK2.5V currently afforded certificate number IECEx ULD 15.0003U
- 1 off Ex db certified surge protectors currently afforded certificate number IECEx BAS 15.0056X.

The equipment has two terminal block divisions, TB1 and TB2. TB1 accommodates the WDU2.5 terminals and TB2 the WDK type terminals. The Megablock conductors are connected to the feed through to terminal blocks on TB2. The surge protector may be fitted as an option, when fitted the conductors are connected and secured to terminal blocks on TB2.

The equipment is suitable for use in an ambient temperature of -40°C to +60°C. The power ratings of the equipment are 30V d.c at 1.5V.

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

Item	Certificate	Code	Standards
Enclosure Type XL	Baseefa15ATEX0099U	Ⓔx II 2 G Ex eb IIC Gb Ⓔx II 2D Ex tb IIIC Db	EN IEC 60079-0:2018 EN 60079-7:2015 +A1:2018 EN 60079-31:2014
Fieldbus XE Megablock FCS-MBT-XE Terminator (optional)	KEMA05ATEX2006	Ⓔx II 2 G Ex e mb IIC T4 Gb	EN 60079-0:2012 EN 60079-7:2007 EN 60079-18:2009
WDK2.5V Feed Through Terminal Blocks	KEMA98ATEX1687U DEMKO15ATEX1346U	Ⓔx II 2 G D Ex e II	EN 60079-0:2004 EN 60079-7:2003
WDU2.5 Feed Through Terminal Blocks	DEMKO14ATEX1338U	Ⓔx II 2 GD Ex eb IIC	EN 60079-0:2012+A11:2013 EN 60079-7:2007
Surge Protection Units Fieldbus Surge Protector Type TP32	Baseefa04ATEX0053X	Ⓔx II 2 G Ex db IIC T6 Gb T_{amb} -40°C to +70°C.	EN 60079-0:2012+A11:2013 EN 60079-1:2014

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
CI9500-11	1 to 2	2	7.24	FCS-9504-XXX PROCESS JUNCTION BOX ASSEMBLY – 4 SPUR
CI9500-12	1	2	7.23	FCS-9504-XXX PROCESS JUNCTION BOX CERTFICATION LABEL

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description

None.

All drawings are common to IECEx BAS 16.0074X.

20 Certificate History

Certificate No.	Date	Comments
Baseefa16ATEX0098X	9th September 2016	The release of the prime certificate. The associated test and assessment against the requirements of EN 60079-0:2012+A11:2013 EN 60079-1:2014 EN 60079-7:2007 EN 60079-18:2009 is documented in GB/BAS/ExTR16.0179/00.

Certificate No.	Date	Comments
Baseefa16ATEX0098X Issue 1	2 November 2016	To allow the alteration of the equipment's name from FCS-9504-182 to FCS-9504-XXX. So that the certificate covers variant models from 182 up to and including 212. See GB/BAS/ExTR16.0287/00 fr project 16/0729.
Baseefa16ATEX0098X Issue 2	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/ExTR24.0128/00 for project 23/0288.
For drawings applicable to each issue, see original of that issue.		