IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx EESF 19.0011X

Issue No: 0

Certificate history:
Issue No. 0 (2019-03-22)

Status: **Current**

Date of Issue: **2019-03-22**

Applicant: **Escarmat Oy**
Hirvenpolku 3
FI-65520
Helsingby
Finland

Equipment: **Terminal box, type ESCEx.....**

Optional accessory:

Type of Protection: **Ex eb**

Marking:
Ex eb IIC T4 Gb

Approved for issue on behalf of the IECEx Certification Body: Kari Koskela

Position: Expert

Signature:
(for printed version)

Date: 2019-03-22

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

Eurofins Expert Services Oy
Kivimiehentie 4,
FI-02150 Espoo
Finland

eurofins | Expert Services

IECEx Certificate of Conformity

Certificate No:	IECEx EESF 19.0011X	Issue No: 0
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Manufacturer:	**Escarmat Oy** Hirvenpolku 3 FI-65520 Helsingby **Finland**	

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-7 : 2015 Edition:5.0	Explosive atmospheres – Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

FI/EESF/ExTR19.0014/00

Quality Assessment Report:

FI/EESF/QAR19.0002/00

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Certificate No: IECEx EESF 19.0011X Issue No: 0

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

A terminal box for fixed installation.

The detailed specifications are given in the Annex to this certificate.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The degree of protection IP 66 according to EN 60529 is maintained if only Exe-certified cable entries are used that are suitable for the application and correctly installed.

For the allowed ambient temperature range refer to the manufacturer's instructions.

Annex:

Annex to IECEx EESF 19.0011X.pdf

Annex to Certificate IECEx EESF 19.0011X

Description of Product

A metal enclosure for fixed installation.

Rated values — Voltage: Max 400 V

Current: Max 5 A

Degree of Protection — IP66

Components

Enclosures:

Stahl: 8150/0; — IECEx PTB 09.0047U
[IEC 60079-0 : 2011 Ed.: 6.0; IEC 60079-7 : 2015 Ed.: 5.0]

Stahl: 8150/1 and 8150/2; — IECEx PTB 09.0048
[IEC 60079-0 : 2011 Ed.: 6.0; IEC 60079-7 : 2006-07 Ed.: 4]

Rittal: KE 93; — IECEx PTB 09.0033U
[IEC 60079-0 : 2007-10 Ed: 5; IEC 60079-7 : 2006-07 Ed.: 4]

Rittal: KE 94; — IECEx PTB 09.0035U
[IEC 60079-0 : 2007-10 Ed: 5; IEC 60079-7 : 2006-07 Ed.: 4]

Terminals:

Manufacturer	Type	Marking	Certificates	Maximum number
Phoenix Contact	UT 4, UT 4 BU and UT 4 PE	Exe II	IECEx KEM 06.0027U IEC 60079-0 : 2011 Ed.: 6.0; IEC 60079-7 : 2017 Ed.: 5.1	No limit
Phoenix Contact	ST 2,5, ST 2,5 BU and ST 2,5-PE	Exe II	IECEx KEM 06.0051U IEC 60079-0 : 2017 Ed.: 7.0; IEC 60079-7 : 2017 Ed.: 5.1	No limit
Phoenix Contact	AKG 4 GNYE-EX, AKG 4 BK-EX and AKG 4 BU-EX	Exe II	IECEx KIWA 14.0005U IEC 60079-0 : 2011 Ed.: 6.0; IEC 60079-7 : 2006-07 Ed: 4	No limit
Wago	TOB JOB S 2002-1201 and -1301	Exe II	IECEx PTB 03.0004U IEC 60079-0 : 2011 Ed.: 6.0; IEC 60079-7 : 2017 Ed.: 5.0	No limit

Heater and thermostat:

Interco: CP Multitherm DNA 50-150W — IECEx PTB 07.0052X
[IEC 60079-0 : 2017 Ed.: 7.0; IEC 60079-1 : 2014-06 Ed.:7.0]

Steco: CREx 020 — IECEx LCI 07.0020X
[IEC 60079-0 : 2011 Ed.: 6.0; IEC 60079-1 : 2007-04 Ed.: 6]

Steco: REx 011 — IECEx LCI 07.0021
[IEC 60079-0 : 2011 Ed.: 6.0; IEC 60079-1 : 2007-04 Ed.: 6]

Breathing devices:

CMP: 781E and 781D	IECEx SIR 10.0149U [IEC 60079-0 : 2011 Ed.: 6.0; IEC 60079-1 : 2007-04, Ed.: 6; IEC 60079-7 : 2006-07 Ed.: 4]

No major technical changes related to terminal box between older editions of IEC 60079-0 and IEC 60079-7 compared those editions used in this certificate.

Allowed ambient temperature range

Normally -50 ºC…+55 ºC

With the enclosures of Rittal -30 ºC…+ 55 ºC and with heaters of Stego -40 ºC…+ 55 ºC.

Certificate history

Issue	Date	Change
IECEx VTT 17.0013X	10.4.2018	Prime certificate
IECEx EESF 19.0011X	22.3.2019	Enclosure Stahl 8150/0 added. Certificate number has changed due to the name change of the ExCB. Some certificate numbers corrected on the Annex.