



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 CCVE 16.0005U Issue No: 0 Certificate history:
Issue No. 0 (2016-09-19)

Status: **Current** Page 1 of 4

Date of Issue: **2016-09-19**

Applicant: **Hawke Transit System, S.L.**
P.E. Tanos-Viernoles, parc C9-C10
39300 Torrelavega (Santander), Spain
Spain

Equipment: **HAWKE MULTICABLE TRANSIT SYSTEM**
Optional accessory:

Type of Protection: **Ex e, Ex tb**

Marking: **Ex e IIC Gb / Ex tb IIIC Db**

Approved for issue on behalf of the IECEx
Certification Body:

Alexander Zalogin

Position:

Head of NANIO CCVE

Signature:
(for printed version)

Date:

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](http://www.iecex.com).

Certificate issued by:

NANIO CCVE
Zavod ECOMASH, VUGI Settlement
Lyubertsy, Moscow region
140004
Russian Federation





IECEX Certificate of Conformity

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Manufacturer: **Hawke Transit System, S.L.**
P.E. Tanos-Viernoles, parc C9-C10
39300 Torrelavega (Santander), Spain
Spain

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 electrical 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 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2006-07 Edition:4	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:

[RU/CCVE/ExTR16.0004/00](#)

Quality Assessment Report:

[RU/CCVE/QAR16.0003/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Hawke Transit System consists of a frame and different configurations of sealing rubber modules together with a compression unit.

The transit frames are available in mild steel, stainless steel or aluminium. Hawke frames can be welded, bolted, casted or cemented.

The modules are available in different size and each size can accept a limited range of cable diameters, marked in the front size with numbers and a code colours. The modules are also available as solid modules. Each module is marked with type, size and permitted cable diameters and with a specific colour for inspection after installation. The modules are made from an intumescent flame retardant elastomeric and halogens free. Hawke blocks include tolerant blocks which allow for variations in cable diameters by using five individual sealing faces which take up the cable variations within their own individual areas.

CONDITIONS OF CERTIFICATION: NO



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EQUIPMENT (continued):

Type Designation

HCX...Ex, HCLX...Ex, HMX...Ex, HMF...Ex, HMEX...Ex, HMBX...Ex, HMRX...Ex, HMRX TB...Ex, HMREX...Ex, HMREX(A)...Ex, HMREX(L)...Ex, HMCX...Ex, HRT...Ex, HRST...Ex, HDM...Ex, HES...Ex (also EMC version)

Temperature range

-60 °C to +80°C

IP 66

Corrugated cables for use with:

ACIC (Armoured Control and Instrumentation Cable) according to C22.1-06 CEC,

ACWU (Armoured Cable for Wet locations) according to UL4,

TECK90 according to C22.2 No. 131-07,

MC (Metal Clad) according to UL1569.

Schedule of Limitations

List of sub-clauses that have been applied for the Ex components:

IEC 60079-0 (Ed.6); {1 – 4, 5.2 (with respect of temperature limits), 6.1, 6.2, 7.1.1, 7.1.2.3, 7.2.1, 7.2.2, 7.5,

8.1, 8.3, 8.4, 13.1, 13.2, 13.4, 13.5, 16.3, 24, 25, 26.1, 26.2, (with respect of internal ingress protection),

26.4.1.1, 26.4.1.2, 26.4.1.2.2, 26.4.2, 26.4.4, 26.4.5.1 (with respect of internal ingress protection), 26.4.5.2,

26.7.1, 26.7.2, 26., 26.9, 29.1, 29.2, 29.4, 29.5, 29.9, 30.1, A.1, A.2.1, A.2.3, A.2.4.1, A.2.5, A.2.6, A.2.7, A.3.1.1, A.3.1.4, A.3.1.5, A.3.2.2, A.3.3, A.3.4 (with respect of internal ingress protection), A.41, A.4., and B.1}. IEC 60079-31 (ed.1); {1 – 4, 4.1, 5.2.1, 6.1.1 (with respect of internal ingress protection) and 7}.

For maintaining the explosion protection, the installation instructions that accompany the products shall be considered.

Only a cable for fixed installation is permitted for the cable transit device.

For optimum reliability wait 24 hours or longer after installation before exposing the cables/pipes to strain or pressure.

For cable glands certified as an Ex component and marked with the symbol U, compliance with applicable requirements not covered by sub-clauses stated above, shall be verified. This includes mechanical test (if applicable) and test of degree of protection IP, which shall be carried out on the frame of the cable transit device (excluding modules and compression unit) after it has been mounted on the enclosure of the apparatus subjected to test and certification.