



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.: **IECEX UL 18.0027X** Page 1 of 4 [Certificate history:](#)
Issue 0 (2019-03-18)

Status: **Current** Issue No: 1

Date of Issue: 2020-02-18

Applicant: **GIOVENZANA International B.V.**
WTC Strawinskyalaan 1105
1077 XX Amsterdam
Netherlands

Equipment: **Festoon-Ex Series, Series 30 and Series 41**

Optional accessory:

Type of Protection: **Constructional Safety "h"**

Marking: Ex h IIB T5 Gb
Ex h IIIC T85°C Db
-25°C ≤ Tamb ≤ +80°C

Approved for issue on behalf of the IECEx
Certification Body:

Lucy Frieders

Position:

Staff Engineer

Signature:
(for printed version)

Date:

2020-02-18

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 www.iecex.com or use of this QR Code.



Certificate issued by:

UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





IECEx Certificate of Conformity

Certificate No.: **IECEx UL 18.0027X**

Page 2 of 4

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Manufacturer: **GIOVENZANA International B.V.**
WTC Strawinskylaan 1105
1077 XX Amsterdam
Netherlands

Additional manufacturing locations: **G.G.T. S.r.l.**
via Mons. Mozzanica
2 – 23889 Santa Maria Hoè (LC)
Italy

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 equipment 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

ISO 80079-36:2016 Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic methods and requirements
Edition:1.0

This Certificate **does not** indicate compliance with 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 Reports:

[US/UL/ExTR18.0033/00](#)

[US/UL/ExTR18.0033/01](#)

Quality Assessment Report:

[IT/IMQ/QAR15.0002/04](#)



IECEx Certificate of Conformity

Certificate No.: **IECEx UL 18.0027X**

Page 3 of 4

Date of issue: 2020-02-18

Issue No: 1

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Festoon-Ex family products are a system composed of different kind of trolleys able to transfer cables moving them in linear translation. The trolleys are not electric powered but are mechanical equipment; each one can be moved by a translating movement source, e.g., by a motor that transfers movement to the trolleys by brackets. The trolleys are equipped with shaped saddles able to sustain the cables that lean against the saddle itself forming a curve.

The Festoon-Ex system is composed by 2 Series: Series 30 and Series 41 made with components/equipment in non-metallic materials or galvanized steel. Series 41 may also have equipment in stainless steel.

Series 30 and 41 trolleys are intended to move by plastic or galvanized steel wheels on a galvanized steel "C"- rail bar fixed along the movement line. The signal cable is supported by the trolley that slides inside the "C"-rail bar.

One of the most popular intended uses is the overhead crane where the festoon lines transmit the signals to control the movement of the crane.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Ambient temperature range: $-25^{\circ}\text{C} \leq T_{\text{amb}} \leq +80^{\circ}\text{C}$.

Only rail system supplied by GIOVENZANA International B.V. shall be used.

The minimum distance between the floor and the towing trolley shall be 3 m.

Do not paint or cover with non-conductive layers any equipment composing the trolley system.



IECEX Certificate of Conformity

Certificate No.: **IECEX UL 18.0027X**

Page 4 of 4

Date of issue: 2020-02-18

Issue No: 1

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1: Addition of five alternate assemblies for Series 30 and addition of two alternate assemblies for Series 41.

Annex:

[Annex to IECEx UL 18.0027X Issue 1.pdf](#)



IECEx Certificate of Conformity

Certificate No.: IECEx UL 18.0027X

Issue No.: 1

Page 1 of 2

TYPE DESIGNATION

Nomenclature:

Series	Assembly codification	Description
30	30607005Ex	End stop
	30607007Ex	Towing trolley
	30607010Ex	Metallic Trolley (metallic wheels)
	30607009Ex	Metallic Trolley (plastic wheels)
	30607011Ex	Plastic Trolley
	30607021Ex	Plastic trolley for circular cable
	30607020Ex	Head Clamp (saddle 55mm)
	30607006Ex	Head Clamp (saddle 76mm)
	30607022Ex	Round cable Swing Trolley L30 (Cable Ø26-40)
	30607023Ex	Swing T. Trolley L30 (Cable Ø26-40)
	30607025Ex	Secondary Round Cable Trolley (Cable Ø10-25)
	30607026Ex	Secondary Round Cable Trolley (Cable Ø26-40)
	30607029Ex	Trolley without plug/socket
41	30602038Ex	End stop
	30602091Ex	Towing trolley
	30602020Ex	Towing trolley (double)
	30602086Ex	Metallic Trolley (metallic wheels)
	30602071Ex	Head Clamp (saddle 55mm)
	30602072Ex	Head Clamp (saddle 76mm)
	30602068Ex	End stop (stainless steel series)
	30602066Ex	Head Clam (saddle 55mm) (stainless steel series)
	30602044Ex	Round cable Swing Trolley L41 (Cable Ø10-25)
	30602045Ex	Round cable Swing Trolley L41 (Cable Ø26-40)

The "C"-rail bar, the support arm and support bracket, the joint between bars and the end cap are supplied by GIOVENZANA. Being fixed metal parts used only to support the equipment they are not listed as part of this certification.



IECEX Certificate of Conformity

Certificate No.: IECEX UL 18.0027X

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Page 2 of 2

PARAMETERS RELATING TO THE SAFETY

The maximum speeds admitted and maximum loads admitted for each trolley are reported in the following table:

Type of trolley:	Series 30		Series 41	
	Max Load	Max Speed	Max Load	Max Speed
Non-metallic Trolley	15 Kg	0.83 m/s (50 m/min)	20 Kg	0.83 m/s (50 m/min)
Metallic Trolley	30 Kg	0.9 m/s (54 m/min)	35 Kg	0.9 m/s (54 m/min)

C-rail bar: Max. Length 4m

Bracket: Max. Length 0.8m

Maximum distance allowed between 2 supports of Track support bracket or Support arm bracket or Track support bracket for ceiling: 1 m

MARKING

Marking has to be readable and indelible; it has to include the following indications:

- Manufacturer Trademark:



- Manufacturer's type identification
- IECEX UL 18.0027X
- Ex h

The equipment has also to carry the marking normally stipulated by its construction standards.