



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 EXA 17.0011U

Issue No: 0

Certificate history:

Issue No. 0 (2017-10-12)

Status: **Current**

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Date of Issue: **2017-10-12**

Applicant: **FLEXTEC S.r.l.**
Via Villalta, 1
33082 Azzano Decimo (PN)
Italy

Equipment: **Empty enclosures COMPACT series, type: FCS*****

Optional accessory:

Type of Protection: **Increased safety "e" and protection by enclosure "t"**

Marking:

Ex eb IIC Gb

Ex tb IIIC Db

*Approved for issue on behalf of the IECEx
Certification Body:*

Damir Korunić

Position:

Director General

*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:

**Agencija za prostore ugrožene eksplozivnom atmosferom (Ex-
Agencija)
Industrijska 25
HR-10431 Sveta Nedelja
Croatia**





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Manufacturer: **FLEXTEC S.r.l.**
Via Villalta, 1
33082 Azzano Decimo (PN)
Italy

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 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-31 : 2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-7 : 2015 Explosive atmospheres – Part 7: Equipment protection by increased safety "e"
Edition:5.0

*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:

[HR/EXA/ExTR17.0006/00](#)

Quality Assessment Report:

[HR/EXA/QAR17.0001/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The empty enclosures in execution Ex eb (increased safety) and Ex tb (dust protection by enclosure) are made in Stainless Steel material, of various dimensions, for electrical industrial cabinets application. The cover is fixed to the enclosure body means metallic hinge and locked by handle key, between enclosure's body and cover(s) a silicone gasket guarantee the protection degree IP66. Silicone gasket is also present between metallic hinge. In the bottom side of the enclosure a removable plate is available for the entry devices.

Each enclosure is provided with internal earthing terminal block or earthing screw or bolt. Metal enclosures are provided by external earthing screw or bolt. The cover is earth connected to the enclosure with suitable metallic hinges.

Schedule of limitation:

Service temperature range is -50°C up to $+130^{\circ}\text{C}$.

Manufacturer's instruction for use No. S01, revision 0, dated 2017/06/20.

SPECIFIC CONDITIONS OF USE: NO

Annex:

[IECEX_EXA17.0011U_01_Empty_enclosures_FCS_FLEXTEC_Annex_final.pdf](#)

Product description:

The empty enclosures in execution Ex eb (increased safety) and Ex tb (dust protection by enclosure) are made in Stainless Steel material, of various dimensions, for electrical industrial cabinets application.

The entry devices like cable glands or for closing unused openings are not supplied with the enclosure.

Technical data:

Service temperature:	-50 °C up to +130 °C
Degree of mechanical protection (IP)	IP 66, category 1 according to IEC 60529

Identification code:

The junction box's identification code is composed as follow:

FCS	*	*	*	Enclosure series Width: 40 = 410 mm 60 = 610 mm 80 = 810 mm 100 = 1010 mm Height: 180 = 1800 mm 200 = 2000 mm Depth: 40 = 400 mm 50 = 500 mm 60 = 600 mm

Enclosures dimensions:

Type designation	Height [mm]	Width [mm]	Depth [mm]	
FCS4018040	1800	410	400	
FCS4018050			500	
FCS4018060			600	
FCS6018040		610	610	400
FCS6018050				500
FCS6018060				600
FCS8018040		810	810	400
FCS8018050				500
FCS8018060				600
FCS10018040	1010	1010	400	
FCS10018050			500	
FCS10018060			600	



Type designation	Height [mm]	Width [mm]	Depth [mm]
FCS4020040	2000	410	400
FCS4020050			500
FCS4020060			600
FCS6020040		610	400
FCS6020050			500
FCS6020060			600
FCS8020040		810	400
FCS8020050			500
FCS8020060			600
FCS10020040		1010	400
FCS10020050			500
FCS10020060			600