



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 FIDI 22.0008X	Page 1 of 3	Certificate history:
Status:	Current	Issue No: 0	
Date of Issue:	2023-01-17		
Applicant:	HARDO Czapski i Wspolnicy Spolka Jawna Spacerowa 5 32-083 Balice Poland		
Equipment:	Junction boxes, local control stations and local control panels		
Optional accessory:	Type: HTB1P***HT, HCS1P***HT, HTB1P***, HCS1P***, HTB1A***HT, HCS1A***HT, HTB1A***, HCS1A***, HTB1S***, HCS1S***, HTB1N*** and HCS1N***		
Type of Protection:	Flameproof enclosure 'db'; Intrinsic safety 'ia/ib'; Increased safety 'eb'; Encapsulation 'mb', Protection by enclosure 'tb'		
Marking:	Ex ia IIC/IIB T6...T4 Ga(2) or Ex db eb ia/ib mb [(3)] IIC/IIB T6... T4 Gb(1) or Ex eb IIC/IIB T6...T4 Gb(1) or Ex tb IIIC T85°C...T135°C Db (1) Others type of protection additional to Ex e/eb depending to the components actually mounted. (2) In case of enclosures containing Ex e/Ex eb terminals and/or Ex ia Ga already certified components (with compatible marking) only. (3) Associated equipment protection depending on the components actually mounted (see lists): e.g. [ia/ib/ia Ga/ia IIIC Da] and/or [ia IIIC Da] or [ia/ib/ia Ga/ia IIIC Da] and/or [ia/ib/ia Ga] [ia IIIC Da]		

Approved for issue on behalf of the IECEx
Certification Body:

Marino Kelava

Position:

Certification Signatory

Signature:
(for printed version)



Fiditas d.o.o.
ZAGREB

Date:
(for printed version)

2023-01-17

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:

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Slavka Tomerlina 44
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Croatia



Fiditas
explosion safety solutions

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IECEX Certificate of Conformity

Certificate No.: **IECEX FIDI 22.0008X**

Page 2 of 3

Date of issue: 2023-01-17

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Manufacturer: **HARDO Czapski i Wspolnicy Spolka Jawna**
Spacerowa 5
32-083 Balice
Poland

Manufacturing
locations:

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

- | | |
|------------------------------------|--|
| IEC 60079-0:2017
Edition:7.0 | Explosive atmospheres - Part 0: Equipment - General requirements |
| IEC 60079-1:2014-06
Edition:7.0 | Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d" |
| IEC 60079-11:2011
Edition:6.0 | Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i" |
| IEC 60079-18:2017
Edition:4.1 | Explosive atmospheres - Part 18: Protection by encapsulation "m" |
| IEC 60079-31:2013
Edition:2 | Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t" |
| IEC 60079-7:2017
Edition:5.1 | Explosive atmospheres - Part 7: Equipment protection by increased safety "e" |

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 Report:

HR/FIDI/ExTR22.0020/00

Quality Assessment Report:

PL/KSCP/QAR22.0019/00



IECEX Certificate of Conformity

Certificate No.: **IECEX FIDI 22.0008X**

Page 3 of 3

Date of issue: 2023-01-17

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Junction boxes, local control stations and local control panels are made of 'eb' and 'tb' enclosures in stainless steel, aluminium alloy or glass fiber reinforced polyester resin, of various dimensions, which shall house 'eb' and/or 'ia/ib' terminals and/or Ex components or Ex equipment made in different type of Ex protection. All

Ex terminals, Ex components and Ex equipment are covered by their own ATEX certificates.

The terminals and components are to be used according to data available in related component certificates, in relevant temperature range, voltage and current limitations. The terminals must be fitted in accordance with IEC 60079-0 and IEC 60079-7 with regards to creepage and clearance distances, and according to related safety instructions.

The cover is fixed to the body with screw, between body and cover a gasket guarantee the protection degree IP66 (IP66/67 depending on models). The cover of stainless-steel enclosure can be also fixed to the body with locking devices, between body and cover a gasket guarantee the protection degree IP66. The IP degree of junction boxes, local control stations and local control panels depend on the components mounted. The walls and the bottom of the boxes can be drilled and tapped with maximum size and maximum number of holes as specified in the manufacturer documents.

The cable glands or plugs, with separate ATEX certificate, made in type of protection 'eb' and/or 'tb' with appropriate IP protection are mounted according to related manufacturer's installation instructions. Each enclosure is provided with internal earthing certified terminal or earthing screw or bolt. Metal enclosures are provided by external earthing screw or bolt. Metal and polyester enclosures can be provided by passing through earthing terminals.

All enclosures can be provided by:

- Externally installed accessories as specified in manufacturer documents,
- Drain breath device type ECR3, included in this certificate,
- Internal/external earthing plate.

For other description see Annex1.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- Enclosures marked with warning label: "WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS" must be cleaned only by damp cloth or antistatic products.

- Apparatus equipped with drain / venting valve Technor Italsmea model ECR3:

- the valve cannot be open when an explosive dust atmosphere is present.
- The valve can be open when an explosive gas atmosphere is present: when open, the equipment reaches the protection degree IP44.
- When the valve is left in open position, it should be protected from light exposure.

- On the intrinsic safety terminals, the user must only connect devices with compatible intrinsic safety parameters according to IEC 60079-14.

Annex:

IECEX FIDI 22.0008X Annex1 to issue 0.pdf

052