



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

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEX EUT 18.0016U** Page 1 of 4 [Certificate history:](#)
Issue 0 (2018-07-31)

Status: **Current** Issue No: 1

Date of Issue: 2022-09-30

Applicant: **ILINOX S.r.l.**
Strada Provinciale Asolana 4/6, 43056 S. Polo di Torrile (PR)
Italy

Ex Component: Cabinets, Series DS, QL and QLP

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Dust tight "Ex t" and Increased safety "Ex e"**

Marking: **Series DS:**

Ex eb IIC Gb

Ex ta IIIC Da

Series QL and QLP:

Ex eb IIC Gb

Ex tb IIIC Db

Approved for issue on behalf of the IECEx
Certification Body:

Dionisio Bucchieri

Position:

Head of IECEx CB

Signature:
(for printed version)

Date:
(for printed version)

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.
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Certificate issued by:

Eurofins Product Testing Italy S.r.l.
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Manufacturer: **ILINOX S.r.l.**
Strada Provinciale Asolana 4/6, 43056 S. Polo di Torrile (PR)
Italy

Manufacturing locations: **ILINOX S.r.l.**
Strada Provinciale Asolana 4/6, 43056
S. Polo di Torrile (PR)
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 component 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](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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 component listed has successfully met the examination and test requirements as recorded in:

Test Report:

[IT/EUT/ExTR18.0016/01](#)

Quality Assessment Report:

[IT/EUT/QAR17.0008/04](#)



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Ex Component(s) covered by this certificate is described below:

The cabinets series DS, QL and QLP are enclosures suitable to contain electrical instruments.

They are realized in stainless steel (AISI 304, AISI 316L, AISI 304L, AISI316L, or AISI 316Ti) with gaskets in foamed two-component polyurethane or foamed two-component silicone.

The cabinets series DS are provided with a screwed cover while series QL and QLP are provided with a hinged door. The enclosures are blind without any transparent or glass parts.

The enclosure can be drilled only in compliance with the characteristics specified on the safety instructions.

All enclosures have an internal and external earth facility.

Ingress protection degree of the enclosure, with door closed and without drilling, is IP66.

The components can be equipped with removable flanges.

The maximum size for the enclosures are:

- 800x1600x400 mm, for series QL and QLP
- 750x600x400 mm, for series DS

SCHEDULE OF LIMITATIONS:

- This Certificate covers only the aspects of the enclosure, the relevant clauses of applicable standards have to be taken into account for the certification of the complete equipment.

- The components incorporate one of the following two gaskets, therefore the operating temperatures are as follows:

<u>Gasket fitted</u>	<u>Operating temperature</u>
Polyurethane	From -20°C to +60°C
Silicone	From -40°C to +180°C

- In case of drilling, in order to install instruments or cable entry devices, the degree of protection IP 66 has to be re-verified.

- The clearance holes for plain entries shall have a diameter not more than 0.7 mm greater than the nominal diameter of the entry thread gland or fitting

- For enclosures Series DS, fasteners have to be secured with a torque of:

Thread	M4	M5	M6	M8	M10	M12
Nm	2.0	3.2	5.0	10	16	25



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Standards update