

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 EPS 15.0088X

Issue No: 0

Certificate history:

Issue No. 0 (2016-01-18)

Status: Current

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Date of Issue: 2016-01-18

Applicant: Osna Electronics Private Limited
No. 4 & 5 Phase IV Okhla Industrial Estate
New Delhi
India

Electrical Apparatus: Flameproof enclosure WE-77ERU

Optional accessory:

Type of Protection: flameproof enclosure "d"

Marking: Ex d IIC T6 Gb

Approved for issue on behalf of the IECEx
Certification Body:

Dieter Zitzmann

Position:

Manager certification

Signature:
(for printed version)

Date:

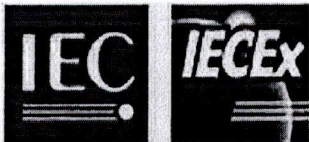


1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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Manufacturer: Osna Electronics Private Limited
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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 60079-1 : 2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

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:

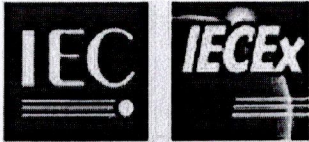
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

DE/EPS/ExTR15.0088/00

Quality Assessment Report:

DE/EPS/QAR15.0013/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The flameproof enclosure WE-77ERU is used to build motor starters, control stations and terminal boxes. Furthermore it is suitable for measuring equipment and customer specific control units. For direct cable entry into the enclosure flameproof cable glands or threaded holes to the conduit connection can be used.

Electrical data:
Max. dissipated power: 20W

CONDITIONS OF CERTIFICATION: YES as shown below:

Ambient temperature range: $-20^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$

Routine pressure testing of flameproof enclosure at 10.5 bar / 152.3 PSI. Following 10 seconds at this pressure, no permanent deformation, damage or distortion to the enclosure and flameproof joints shall occur. No leakage of the pressure test medium shall occur through the walls of the enclosure.

Only "Ex d" certified components defined by manufacturer shall be used. Unused openings shall be closed with certified blind plugs. For intrinsic safe application only certified terminals and components shall be used. Connection is only allowed for certified intrinsic safe circuits. Connections must be marked accordingly.

A clearance of at least 50 mm between bare conducting parts of terminals for intrinsically safe and non-intrinsically safe circuits must be respected.