



(1) EC-Type Examination Certificate

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – Directive 94/9/EC

(3) EC Type Examination Certificate Number

EPS 15 ATEX 1 131 X

Revision 0

(4) Equipment: Flameproof enclosure type: WE-77ERU

(5) Manufacturer: Osna Electronics Private Limited

(6) Address: No. 4 & 5 Phase IV Okhla Industrial Estate, New Delhi, India

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH, Notified Body No. 2004 in accordance with Article 9 of the Council Directive 94/9/EC of March 23rd 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive. The examination and test results are recorded in the confidential report 15TH0420.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012

EN 60079-1:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-Type Examination Certificate relates only to the design and the construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

(12) The marking of the equipment shall include the following:



II 2G Ex d IIC T6 Gb

Certification department of explosion protection

Nuremberg, 2016-01-18

D. Zitzmann



(13)

Annex

(14) **EC-Type Examination Certificate EPS 15 ATEX 1 131 X**

Revision 0

(15) Description of equipment:

The flameproof enclosure WE-77ERU is used to house: earth relay units, interfaces, trip amplifiers, 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

(16) Test report: 15TH0420

(17) Special conditions for safe use:

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.

(18) Essential health and safety requirements:

Met by standards.

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