



(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 16 ATEX 1 047

Revision 0

(4) **Equipment:** Namur Type Proximity Switches

(5) **Manufacturer:** Osna Electronics PVT 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 15TH0416.

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

EN 60079-0:2012 + A11:2013

EN 60079-11:2012

(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 ia IIC T4 Gb

Certification department of explosion protection

Nuremberg, 21.03.2016

D. Zitzmann

(13)

Annex

(14) **EC-Type Examination Certificate EPS 16 ATEX 1 047**

Revision 0

(15) Description of equipment:

The Namur Type Proximity Switches SJ ..., RJ ..., and NJ ... are used to convert displacements into electrical signals. The switches provide a degree of protection of at least IP20 and are supplied with an integral cable of 20 m maximum length.

The following values shall never be exceeded: $U_i = 13.5 \text{ V}$, $I_i = 32 \text{ mA}$, $P_i = 0.2 \text{ W}$

Values for internal capacitances C_i and inductances L_i for each type shall be taken from the operating manual and from the according type plate.

Maximum ambient temperature range: $-20 \text{ }^{\circ}\text{C}$ to $+55 \text{ }^{\circ}\text{C}$.

(16) Test report: 15TH0416

(17) Special conditions for safe use:

None.

(18) Essential health and safety requirements:

Met by standards.

Certification department of explosion protection

Nuremberg, 21.03.2016



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