

The Low Voltage Directive (LVD) 2014/35/EU, Electromagnetic Compatibility (EMC) Directive 2014/30/EU and Directive 2014/34/EU on equipment and protective systems intended for use in potentially explosive atmospheres (ATEX).

### a) The manufacturer

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### b) The Products Covered by this Declaration

#### Intrinsically safe supply unit

NxxU-8xx

### c) Product brief

The intrinsically safe supply units type NxxU-8xx are associated apparatus intended to be use for supply and state evaluation of sensor type NAMUR.

### d) The Basis on which Conformity is being Declared

Intrinsic safety:	EN 60079-0:2012 EN 60079-11:2012
Safety standard:	EN 61010-1
Electromagnetic compatibility:	EN 55022-class B EN 61000-6-2 EN 61000-4-2 class A EN 61000-4-3 class A EN 61000-4-4 class A EN 61000-4-5 class A EN 61000-4-6 class A EN 61000-4-11 class A, B

### e) Details of accredited person

Intrinsic safety:

Notified Body No. NB 1026, FTZÚ (Physical-Technical Testing Institute), Pikartská 7, 716 07 Ostrava-Radvanice, Czech Republic, ID: 00577880.  
EC-Type Examination Certificate No. FTZÚ 04 ATEX 0136X from 21.9.2004 and Supplement No. 3 from 27.10.2014.

Electromagnetic compatibility:

Accredited testing laboratory No. 1004.3, Institut pro testování a certifikaci, a.s., divize 4 Mesit QM, Sokolovská 573, 686 01 Uherské Hradiště, Czech Republic, ID: 47910381.  
EMC protocol No. 3670/04 from 21.5.2004.

### f) Special conditions for safe use

II (1)G [Ex ia Ga] IIC resp. II (1)D [Ex ia Da] IIIC resp. I (M1) [Ex ia Ma] I, when use in mining conditions the units NxxU-8xx must be placed in non-hazardous areas or must be placed inside of the flameproof enclosure "d".

Maximum parameters of input intrinsic safe circuits:

$U_o = 10.5 \text{ V}$ ;  $I_o = 10.4 \text{ mA}$ ;  $P_o = 27.3 \text{ mW}$ ;  $L_o = 150 \text{ mH}$ ;  $C_o = 1.8 \text{ }\mu\text{F}$ ;  $U_m = 253 \text{ V}$

### g) Ensure production quality

Manufacturer's quality management system was found conform with the requirements of ISO 9001: 2008. The company is holder of the certificate of quality management system, reg. number CZ – 2256/2012 dated 13.10.2015 and valid until 15.9.2018, issued by certification body CQS (IQNet). The certificate is valid for the development, manufacture and sales of electronic components and systems for measurement, control and industrial automation.

For products in potentially explosive atmospheres are to quality management system according to ISO 9001 applied special requirements according to EN 13980:2004. The manufacturer got QUALITY ASSURANCE NOTIFICATION No. "FTZÚ 02 ATEX Q 016", issued by the Notified Body NB 1026 FTZÚ Ostrava-Radvanice. The notification is issued for protective systems intended for use in potentially explosive atmospheres acc. to Directive 94/9/EC. The notice applies to a group of products with the type of explosion protection – Intrinsic safety "i" Protection with enclosure "t" and was issued on the basis of the audit protocol No. FTZÚ 02/ATEX/016 issued on 12.06.2014 and valid until 30.06.2017.

#### **h) Manufacturer confirmation**

The manufacturer identified in paragraph a) of this statement confirms that the properties of the product identified in point b) and c) of this declaration, meet the requirements, concretized in European technical standards identified in paragraph d) of this statement.

The product is under manufacturer's intended use safe. The manufacturer confirms that he has taken actions to ensure conformity of all products put on the market with technical documentation and the basic requirements.

Issued in Zlín, on 11.5.2016



Ing. Dalibor Štverka, Ph.D.  
*General manager*