EU DECLARATION OF CONFORMITY CE

The Low Voltage Directive (LVD) 2006/95/EC, Electromagnetic Compatibility (EMC) Directive 2004/108/EC and Directive 94/9/EC 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

Capacitive proximity switch

CPS–24Xi

c) Product brief

Capacitive proximity switch type CPS–24Xi is designed for detection of approach or evaluation of solid objects movement, indication of level state (liquids, granulate, powders) in electric non-conductive vessels and level indicators and for indications of liquids leakage.

d) The Basis on which Conformity is being Declared

Intrinsic safety:
EN 60079-0:2009
EN 60079-11:2012
EN 60079-26:2007

Electromagnetic compatibility:
EN 55022-class B
EN 61326-1
EN 61000-4-2
EN 61000-4-3
EN 61000-4-4
EN 61000-4-6

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 02 ATEX 0233X from 21. 8. 2002, Supplement No. 1 from 30.3. 2006, supplement No. 2 from 16.8. 2007 and supplement No. 3 from 16.8. 2012.

Electromagnetic compatibility:

Accredited testing laboratory No. 1032, Mesit QM, spol. s.r.o, Sokolovská 573, 686 01 Uherské Hradiště, Czech Republic, ID: 47910381.
EMC protocol No. 3655/01 from 1.8. 2001.

f) Special conditions for safe use

II 1G Ex ia IIC T6 Ga, the apparatus is designed to be connected with supply unit type NSSU, NDSU and NLCU. If some other approved apparatus is used, its output parameters comply with above mentioned parameters, then it is necessary to include galvanic separation and/or in case of application of apparatus without galvanic separation (Zener safety barriers) it is necessary to provide equipotential equalisation between sensor and point of barrier earthing.
For zone 0 application the present potentially explosive atmosphere of air mixture with gases, mists or vapours shall comply the following:
T_{amb} = -20 to +60°C, p = 0.8 bar to 1.1 bar.

Maximum input parameters:
Ui = 12 V; Ii = 15 mA; Pi = 45 mW; Ci = 15 nF; Li = 10 µH

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 11.1.2016

Ing. Dalibor Štverka, Ph.D.
General manager