

Schedule

EC-TYPE EXAMINATION CERTIFICATE No. DEMKO 02 ATEX 131507X

- [13]
- [14]
- [15] Description of Equipment or protective system:

The product covered by this Certificate is a Ex Safety barrier having a part number P/N 3600663.

Intrinsic safety parameters:

U_m : 250 V
 U_o : 17,22 V
 I_o : 484 mA
 P_o : 2,05 W

For IIC:

L_o/R_o : 17,06 μ H/ohm - (L_o : 151,7 μ H) See Note 1.
 C_o : 333 nF

For IIB:

L_o/R_o : 68.2 μ H/ohm - (L_o : 607 μ H) See Note 1.
 C_o : 2,04 μ F

Note 1:

The maximum external inductance L_o is calculated as a sum of the inductance in the Core Processor ($L_i = 30 \mu$ H) and the lump inductance in the cable.

The maximum length of the cable to the sensor is 152 meter and the L_o/R_o ratio shall be calculated for the actual used cable and shall be below the stated L_o/R_o ratio.

In accordance to the Installation drawing the total cable capacitance shall be less than 197 pF / meter.

- [16] Report No.:

131507-01

Drawings:

All Schedule drawings are listed in the document 5820G0. All changes in the Schedule drawings shall be send to UL-Demko for evaluation.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in ANNEX III to Directive 94/9/EC of the European Parliament and the Council of 23 March 1994.

The certificate entitles the licensee to provide the product with the registered mark $\text{\textcircled{D}}$ and the Epsilon-x mark $\text{\textcircled{Ex}}$.

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Certificate: 02 ATEX 131507X
Report: 131507-01

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[17] Special conditions for safe use:

- The ambient temperature: -40°C to $+60^{\circ}\text{C}$.
- The complete specifications for entity parameters (Intrinsically Safe data) given in this Schedule must be passed to the purchaser together with any other relevant information.
- The safety barrier is only for use with Micro Motion Smart Sensors having the Intrinsic safety parameter $U_i : 17.3\text{ V}$, $I_i : 484\text{mA}$, $P_i : 2.1\text{W}$, $L_i : 30\mu\text{H}$ and $C_i : 2200\text{ pF}$.
- For further information see Installation drawing Type ATEX - D - IS.

[18] Essential Health and Safety Requirements

Concerning ESR this Schedule verifies compliance with the Ex standards only. The manufacturer's Declaration of Conformity declares compliance with other relevant Directives.

On behalf of UL International Demko A/S

Herlev, 2002-06-19
Revised: 2002-10-10



Steen Lumby
Certification Manager