Translation

2nd Supplement to the EC-Type Examination Certificate

- (2) Equipment and protective systems intended for use in potentially explosive atmospheres Directive 94/9/EC Supplement accordant with Annex III number 6
- (3) No. of EC-Type Examination Certificate: DMT 00 ATEX E 061
- (4) Equipment: Temperature-Transmitter type TT302/303 **-*-**
- (5) Manufacturer: smar Equipamentos Industriais Ltda.
- (6) Address: Av. Dr. Antonio Furlan Jr., 1028, 14170 -480 Sertaozimo-SP Brasil
- (7) The design and construction of this equipment and any acceptable variation increto are scenified the appendix to this supplement.
- The certification body of DEKRA EXAM GmbH, notified body no. 01/38/m/accordance with Article S of the Directive 94/9/EC of the European Parliament and the Council of 23 March 1/994 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 to the Directive The examination and test results are recorded in the Test and Assessment Report BVS PD 00 2058 EG.
- (9) The Essential Health and Safety Requirements are assured by compliance with

- (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 appendix to this certificate.
- (11) This supplement to the EC-Type Examination Certificate relates only to the design examination and tests of the specified equipment in accordance to Directive 9A/9/EC Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate
- (12) The marking of the equipment/shall include the following:



II 2G Ex ia IIC T4/T5/T6 Gb I M2 Ex ia I Mb

DEKRA EXAM GmbH Bochum, dated 2015-07-27

Signed: Simanski

Signed: Dr. Wittler

Special services unit

Certification body



- (13) Appendix to
- (14) 2nd Supplement to the EC-Type Examination Certificate DMT 00 ATEX E 061
- (15) 15.1 Subject and type

Temperature-Transmitter type TT302/303 **-*-**

Type code: no change

15.2 Description

The status of applied standards in the certificate has been subjected to update as listed in Previous electronic assemblies of the temperature transmitter may be replaced obtionally variants.

Applicable requirements of EN 60079-27:2008 (FISCO Model) are included in the updated Safety-relevant constructive details and parameters remain unchanged

15.3 Parameters

15.3.1 Supply circuit for the connection to an intrinsically safe the connection to an intrinsical safe the connec

Voltage Current Power Effective internal capacitance Effective internal inductance

Parameters of the supply circuit comply with \$1500 model according to American 60079-27/2008.

15.3.2 2-wire / 3-wire / 4-wire-measuring/circuit/in/type of protection fix is //////// for the connection to intrinsically safe thermocouples of resistance temperature indicate

Voltage Current/ Power 200 Effective internal capacitance negligible Effective internal inductance 700 Maximum/external capacitance 20 Maximum external/inductance

The 2-wire / 3-wire / 4-wire-measurement/circuit/provides/safe/galvanic separation/from the fieldbus circuit

15.3.2 Ambient temperature range:

.40 °C ≥ T ≥ +60 °C (T4) .40 °C ≥ T ≥ +50 °C (T5) T』≤/+40°C

(16) Test and Assessment Report

BVS PP 00.2058 EG as of 2015-07-27

Special conditions for safe use (17)

None



We confirm the correctness of the translation from the German original. In the case of arbitration only the German wording shall be valid and binding.

DEKRA EXAM GmbH 44809 Bochum, 2015-07-27 BVS-Scha/Mu A 20121119

Certification body

Special services unit

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