

CERTIFICATE

(1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **DEKRA 13ATEX0140 X** Issue Number: **2**

(4) Product: **Temperature Input Module (TIM) Type 9482/3*-08-1***

(5) Manufacturer: **R. STAHL Schaltgeräte GmbH**

(6) Address: **Am Bahnhof 30, 74638 Waldenburg, Germany**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential test report number NL/DEK/ExTR13.0045/01.

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

EN IEC 60079-0 : 2018

EN 60079-7 : 2015 + A1 : 2018

EN 60079-11 : 2012

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:



II 2 (1) G Ex ia [ia Ga] IIC T4 Gb and

II (1) D [Ex ia Da] IIIC

(Type 9482/32-08-1*)

II 3 (1) G Ex ec ia [ia Ga] IIC T4 Gc and

II (1) D [Ex ia Da] IIIC

(Type 9482/33-08-1*)

Date of certification: 19 May 2020

DEKRA Certification B.V.

R. Schuller
Certification Manager



(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 13ATEX0140 X**

Issue No. 2

(15) **Description**

Temperature Input Module (TIM) Type 9482/3*-08-1*, for operation in the Remote I/O Systems IS1 and IS1+.

The module is connected to the system via a Bus Rail and it provides up to 8 intrinsically safe input circuits for connection of temperature sensors (channels 0 to 7). Each channel can be used as input for a 2-/3- or 4-wire RTD, potentiometer, thermocouple or mV sensor. Channels 6 and 7 can also be used for connection of an external cold junction compensation (CJC) via RTDs.

The intrinsically safe input circuits are infallibly galvanically isolated from the IS1 and IS1+ bus supply and data circuits up to a peak voltage of 60 V.

Module type 9482/32-08-1* is intrinsically safe and may be installed in an explosive gas atmosphere requiring equipment of category 2 G.

Module type 9482/33-08-1* is in type of protection Ex ec and may be installed in an explosive gas atmosphere requiring equipment of category 3 G.

Both types of modules may be installed in an explosive dust atmosphere requiring equipment of category 2 D or 3 D if mounted in a suitable enclosure that meets the requirements of an appropriate, recognized type of protection in accordance with EN IEC 60079-0.

The enclosure of the module provides a degree of protection IP20 according to EN 60529.

The Temperature Input Module (TIM) Type 9482/3*-08-1* may be disconnected or connected to the IS1 or IS1+ Bus Rail in the hazardous area and while in operation. The intrinsic safe Terminals X1 and X2 may also be connected or disconnected while in operation and in the hazardous area.

Refer to Annex 1 for electrical data and temperature data.

Electrical data

Refer to Annex 1.

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/DEK/ExTR13.0045/01.

(17) **Specific conditions of use**

When installed in an explosive gas atmosphere:

The Temperature Input Module (TIM) Type 9482/3*-08-1* shall be placed in an enclosure or cabinet that meets the requirements of an appropriate, recognized type of protection in accordance with EN IEC 60079-0.

It shall be used in an area of not more than pollution degree 2, as defined in IEC 60664-1.

(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 13ATEX0140 X**

Issue No. **2**

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR13.0045/01.

(20) **Certificate history**

Issue 1 - 215299500 Initial certificate

Issue 2 - 224190000 Assessed per EN IEC 60079-0 : 2018 and EN 60079-7 : 2015 + A1