

# IECEx Certificate of Conformity

# INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx TUR 19.0072X	Page 1 of 3	Certificate history:
Status:	Current	Issue No: 0	
Date of Issue:	2019-12-10		
Applicant:	R. STAHL Schaltgeräte GmbH Am Bahnhof 30 74638 Waldenburg Germany		
Equipment:	Termination Board and Connection Cab	ole, Type 9491/*1-**-**	
Optional accessory	r.		
Type of Protection:	Ex ec		
Marking:	Ex ec IIC T4 Gc		
Approved for issue on behalf of the IECEx Certification Body:		Andreas Maschke	
Position:		Deputy Head of Certification Body	
Signature: (for printed version)			
Date:			
2. This certificate	and schedule may only be reproduced in full. is not transferable and remains the property o authenticity of this certificate may be verified	f the issuing body. by visiting www.iecex.com or use of this QR Code.	
Certificate issue	ed by:		

TUV Rheinland Industrie Service GmbH Am Grauen Stein 51105 Cologne Germany





# **IECEX Certificate** of Conformity

Certificate No.: IECEx TUR 19.0072X Page 2 of 3

Date of issue: 2019-12-10 Issue No: 0

Manufacturer: R. STAHL Schaltgeräte GmbH

Am Bahnhof 30 74638 Waldenburg **Germany** 

Additional manufacturing

locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

#### STANDARDS:

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements

Edition:7.0

IEC 60079-7:2017

Edition:5.1

Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### **TEST & ASSESSMENT REPORTS:**

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

DE/TUR/ExTR19.0072/00

Quality Assessment Report:

DE/BVS/QAR10.0002/15



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Certificate No.: IECEx TUR 19.0072X Page 3 of 3

Date of issue: 2019-12-10 Issue No: 0

#### **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

Termination Boards type 9491/T1-\*\*-0\* as well as the corresponding Connection Cable type 9491/Z1-VB-\*\* are accessories for the Remote I/O System "IS1+". The devices are intended to connect the non-I.S. field circuits of two I/O modules of the same type in parallel in order to provide redundancy.

The devices are intended for use in Zone 2 or outside explosive atmospheres.

See attachment for further details.

#### SPECIFIC CONDITIONS OF USE: YES as shown below:

- 1. The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60664-1.
- 2. The equipment shall be installed in an enclosure that provides a minimum ingress protection of IP54. For installations in Zone 2 the equipment shall be mounted in an enclosure according to IEC 60079-0 which provides an appropriate type of protection.
- 3. Transient protection shall be provided that is set at a level not exceeding 140 % of the peak rated voltage value at the supply terminals to the equipment

#### Annex:

IECEx\_TUR\_19.0072X\_Attachment\_1.pdf



# Attachment to Certificate IECEx TUR 19.0072X Revison 0



**Device:** Termination Board and Connection Cable

**Type:** 9491/\*1-\*\*-\*\*

Manufacturer: R. STAHL Schaltgeräte GmbH

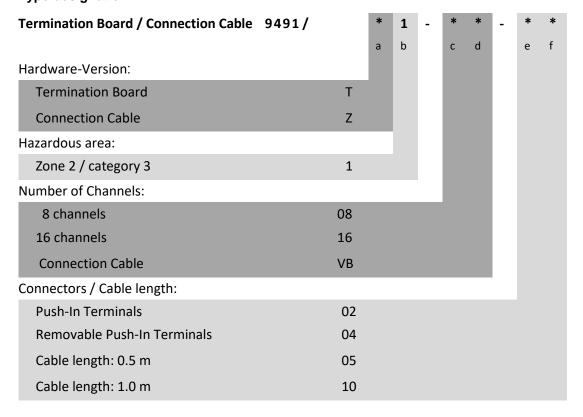
Address: Am Bahnhof 30,

D-74638 Waldenburg, Germany

#### Subject and type

Termination Board and Connection Cable, Type 9491/\*1-\*\*-\*\*

### Type designation:





# Attachment to Certificate IECEx TUR 19.0072X Revison 0



#### **Electrical data:**

# Type 9491/T1-08-0\*:

## Nominal voltage:

• analog: U<sub>N</sub> = 21 V DC

• digital: U<sub>N</sub> = 24 V DC (18 ... 32 V DC)

#### Signal current:

analog (in/out): I<sub>N</sub> = 0 ... 24 mA

• digital (in):  $I_N = 0 ... 3 \text{ mA}$ 

• digital (out): I<sub>N</sub> = 0 ... 0.5 A

## Type 9491/T1-16-0\*:

## Nominal voltage:

• digital: U<sub>N</sub> = 24 V DC (18 ... 32 V DC)

## Signal current:

digital (in): I<sub>N</sub> = 0 ... 3 mA
digital (out): I<sub>N</sub> = 0 ... 0.5 A

#### **Environmental data:**

Ta = - 40°C ... + 75°C