

(1) TYPE EXAMINATION CERTIFICATE

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) Type Examination Certificate Number: **WI 14ATEX0001 X** Issue Number: **2**

(4) Equipment: **Transmitter Type WAS6 TTA EX and Type WAZ6 TTA EX**

(5) Manufacturer: **Weidmüller Interface GmbH & Co KG**

(6) Address: **Klingenbergstraße 16, 32758 Detmold, Germany**

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

(8) Weidmüller Interface GmbH & Co KG 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 confidential test report no. WI14ATEX0001X_TR_iss02.

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

EN 60079-0:2012/A11:2013 EN 60079-15 : 2010

(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 schedule to this certificate.

(11) This Type Examination Certificate relates only to the design, examination and tests of the specified equipment and not to the manufacturing process and supply of this equipment.

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



II 3 G Ex nA nC IIC T4 Gc

Weidmüller Interface GmbH & Co.KG


Dr. Kai Lorentz
Vice President Business Unit Electronics

* Integral publication of this certificate and adjoining reports is allowed. This Certificate may only be reproduced in its entirety and without any change.

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(13) **SCHEDULE**

(14) **to Type Examination Certificate WI 14ATEX0001 X**

Issue No. 2

(15) **Description of Equipment:**

Transmitters Type WAS6 TTA EX (with screw terminals) and Type WAZ6 TTA EX (with tension clamp terminals), for rail mounting for use in measurement and control systems.
The Transmitter converts analog input signals from a voltage source, current source, frequency source, temperature sensor or potentiometer into one analog voltage- or current-output signal and into two digital output signals (relay contacts).

Electrical data

Supply (terminals 24 ... 26): $U = 18 \dots 40 \text{ Vac} / 18 \dots 56 \text{ Vdc}$; $P \leq 3,5 \text{ W}$.

Analog inputs (terminals 14 ... 16, 21 ... 26): $U < 60 \text{ V}$ (see instruction manual for further details)

Analog input for connection of a potentiometer (terminals 11 .. 13): $U_{\max} = 3,5 \text{ V}$; $I_{\max} = 22 \text{ mA}$

Analog outputs (terminals 31 ... 33 and 41 .. 43): $U \leq 60 \text{ V}$ (see instruction manual for further details)

Digital outputs (terminals 34 ... 36 and 44 .. 46): $U \leq 250 \text{ V}$ (see instruction manual for further details)

Temperature range

The ambient temperature range is $-40 \text{ }^{\circ}\text{C}$ to $+70 \text{ }^{\circ}\text{C}$

Temperature class

T4

Installation instructions

Please see Special Conditions for Safe Use [17]

Mounting instructions

Please see Special Conditions for Safe Use [17].

Routine tests

Electric strength test in accordance with clause 23.2 of EN 60079-15:2010 is to be conducted.

(16) **Test Report**

WI14ATEX0001X_TR_iss02

(17) **Special conditions for safe use**

Transmitters Type WAS6 TTA EX shall be installed in an enclosure in type of protection Ex n or Ex e, providing a degree of protection of at least IP54. Cable entry devices and blanking elements shall fulfil the same requirements.

A transient protection device, set at a level not exceeding 40% of the rated voltage, shall be provided to prevent the supply voltage (Terminals 24 ... 26) from being exceeded.

A transient protection device, set at a level not exceeding 40% of the rated voltage, shall be provided to prevent the rated voltage of the digital relay outputs (terminals 34 ... 36 and 44 .. 46) from being exceeded, if they switch the supply of other apparatus..

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

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. WI14ATEX0001X_TR_iss02