

CERTIFICATE

(1) Type Examination

(2) **Product intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) Type Examination Certificate Number: **DEKRA 18ATEX0007 X** Issue Number: **0**

(4) Product: **Temperature Transmitters JUMO dTRANS T08 XX and Signal/isolating Converters JUMO dTRANS S08 XX.**

(5) Manufacturer: **JUMO GmbH & Co. KG**

(6) Address: **Moritz-Juchheim-Straße 1, 36039 Fulda, 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., 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 Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

The examination and test results are recorded in confidential test report no. 222458600.

(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

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 Type Examination Certificate relates only to the design and construction of the specified product and not to the manufacturing process and its monitoring.

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



II 3 G

Ex nA IIC T4 Gc

Date of certification: **8 March 2018**

DEKRA Certification B.V.

R. Schuller
Certification Manager

(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 18ATEX0007 X**

Issue No. **0**

(15) **Description**

Temperature Transmitters JUMO dTRANS T08 XX and Signal/isolating Converters JUMO dTRANS S08 XX ... for conversion and galvanic isolation of analogue signals.

The type code, the ambient temperature range and the temperature class of the modules shall be taken from **table 1**.

Electrical data

The electrical data of the supply and the input and output circuits shall be taken from **table 1**.

Installation instructions

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

(16) **Report Number**

No. 222458600

(17) **Specific conditions of use**

1. The modules shall be installed in a suitable enclosure providing a degree of protection of at least IP54 according to EN 60079-15, taking into account the environmental conditions under which the equipment will be used.
2. Provisions shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 140 %.

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

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. 222458600

(20) **Certificate history**

Issue 0 - 222458600 Initial certificate

(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 18ATEX0007 X**

Issue No. **0**

Table 1

Description	Type No.	Temp. code	Ambient Range	Technical Data	Supply Volt.
Eco thermocouple transmitter (J,K)	JUMO dTRANS T08 01	T4	-25... +70°C	1.0 Watt	16.8 ... 31.2 V
Eco transmitter (Pt 100)	JUMO dTRANS T08 02	T4	-25... +70°C	1.0 Watt	16.8 ... 31.2 V
Thermocouple transmitter (J,K)	JUMO dTRANS T08 11	T4	-25... +70°C	1.0 Watt	16.8 ... 31.2 V
Transmitter (Pt 100)	JUMO dTRANS T08 12	T4	-25... +70°C	1.0 Watt	16.8 ... 31.2 V
HART® transmitter (Pt100, J, K)	JUMO dTRANS T08 13	T4	-25... +70°C	1.0 Watt	16.8 ... 31.2 V
Universal transmitter	JUMO dTRANS T08 14	T4	-25... +70°C	1.2 Watt	16.8 ... 31.2 V
Two-wire transmitter (Pt100, J, K)	JUMO dTRANS T08 31	T4	-25... +70°C	8-35V / 20 mA	-
Two-wire transmitter (Pt100)	JUMO dTRANS T08 33	T4	-25... +70°C	8-35V / 20 mA	-
Two-wire transmitter HART® (Pt100, J, K)	JUMO dTRANS T08 37	T4	-25... +70°C	8-35V / 20 mA	-
Power connector unit for dTRANS T/S 08 XX	JUMO dTRANS T/S08 PCU	T4	-25... +70°C	2.5 A	16.8 ... 31.2 V
Signal isolator (mA)	JUMO dTRANS S08 03	T4	-25... +70°C	0.8 Watt	16.8 ... 31.2 V
Signal converter (V, mA)/supply amplifier	JUMO dTRANS S08 04	T4	-25... +70°C	1.2 Watt	16.8 ... 31.2 V
Signal isolator/splitter (mA)	JUMO dTRANS S08 08	T4	-25... +70°C	0.8 Watt	16.8 ... 31.2 V
Signal converter (V, mA)/supply isolator/splitter	JUMO dTRANS S08 09	T4	-25... +70°C	1.2 Watt	16.8 ... 31.2 V
Bipolar signal converter/isolator	JUMO dTRANS S08 17	T4	-25... +70°C	0.8 Watt	16.8 ... 31.2 V
Bipolar signal converter/splitter	JUMO dTRANS S08 18	T4	-25... +70°C	0.8 Watt	16.8 ... 31.2 V
Low powered signal isolator (1 channel)	JUMO dTRANS S08 85A1	T4	-25... +70°C	20 mA	-
Low powered signal isolator (2 channel)	JUMO dTRANS S08 85A2	T4	-25... +70°C	2x20 mA	-
Two-wire transmitter signal amplifier (1 channel)	JUMO dTRANS S08 86A1	T4	-25... +70°C	20 mA	35 V
Two-wire transmitter signal amplifier (2 channel)	JUMO dTRANS S08 86A2	T4	-25... +70°C	2x20 mA	35 V
Two-wire current isolator (1 channel)	JUMO dTRANS S08 86B1	T4	-25... +70°C	20 mA	32.50 V
Two-wire current isolator (2 channel)	JUMO dTRANS S08 86B2	T4	-25... +70°C	2x20 mA	16.25 V