



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 DEK 18.0006X** Page 1 of 4 [Certificate history:](#)
Status: **Current** Issue No: 1 [Issue 0 \(2018-03-08\)](#)
Date of Issue: 2023-04-13
Applicant: **JUMO GmbH & Co. KG**
Moritz-Juchheim-Straße 1
36039 Fulda
Germany
Equipment: **Temperature Transmitters JUMO dTRANS T08 XX and Signal/isolating Converters JUMO dTRANS S08 XX**
Optional accessory:
Type of Protection: **Ex nA**
Marking: **Ex nA IIC T4 Gc**

Approved for issue on behalf of the IECEx
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

2023-04-13

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
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Certificate issued by:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands





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Manufacturing
locations: **JUMO GmbH & Co. KG**
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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 60079-0:2011](#) Explosive atmospheres - Part 0: General requirements
Edition:6.0

[IEC 60079-15:2010](#) Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:4

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:

[NL/DEK/ExTR18.0007/00](#)

Quality Assessment Report:

[DE/EPS/QAR23.0003/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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, see Annex 1.

Electrical data

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

SPECIFIC CONDITIONS OF USE: YES as shown below:

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

The equipment shall be installed in a suitable enclosure providing a degree of protection of at least IP54 according to IEC 60079-15, taking into account the environmental conditions under which the equipment will be used.

Provisions shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 119 V.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Linked to new QAR.

Annex:

[227565100 Annex 1.pdf](#)

**Annex 1 to Certificate of Conformity IECEx DEK 18.0007X
Testreport NL/DEK/ExTR18.0007/00**

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