



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 EPS 17.0075X** Page 1 of 5 Certificate history:
Status: **Current** Issue No: 1 Issue 0 (2017-10-24)
Date of Issue: 2023-05-15
Applicant: **Jumo GmbH & Co. KG**
Moritz-Juchheim-Straße 1
36039 Fulda, Germany
Germany
Equipment: **Temperature transmitter type dTRANS T07**
Optional accessory:
Type of Protection: **ia/ ib**
Marking: **Ex ia IIC T6...T4 Ga (Head)**
Ex ia IIC T6...T4 Gb (Head)
Ex ib [ia Ga] IIC T6...T4 Gb (DIN Rail)

Approved for issue on behalf of the IECEx
Certification Body:

Position:

Signature:
(for printed version)

Date:
(for printed version)



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.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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Issue No: 1

Manufacturer: **Jumo GmbH & Co. KG**
Moritz-Juchheim-Straße 1
36039 Fulda, Germany
Germany

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 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"
Edition:6.0

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/EPS/ExTR17.0069/00

Quality Assessment Report:

DE/EPS/QAR23.0003/00



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The temperature transmitter type dTRANS T07, is a two wire transmitter with analogue output. It has measuring input circuits for resistance thermometers (RTD) in 2-, 3- or 4-wire connection, thermocouples and voltage transmitters.

The equipment is intended for the application inside the explosion hazardous area.

The DIN Rail version is intended to be installed in control cabinets.

Electrical data:

Head transmitter:

Power supply

(terminals + and -)

U _i	≤	30V DC
I _i	≤	130 mA
P _i	=	800 mW
C _i	=	negligibly small
L _i	=	negligibly small

Sensor circuit

(terminal 3 to 7)

U _o	≤	7.6V DC
I _o	≤	13 mA
P _o	≤	24.7 mW

Max. connection values

Ex ia IIC

Lo = 10 mH

Co = 1 µF

Ex ia IIB

Lo = 50 mH

Co = 4.5 µF

Ex ia IIA

Lo = 50 mH

Co = 6.7 µF

SPECIFIC CONDITIONS OF USE: YES as shown below:

In hazardous areas it is not permitted to use the CDI interface of dTRANS T07 for configuration.



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Equipment (continued):

DIN Rail transmitter:

Power supply

(terminals + and -)

U _i	≤	30V DC
I _i	≤	130 mA
P _i	=	770 mW
C _i	=	negligibly small
L _i	=	negligibly small

Sensor circuit

(terminal 3 to 8)

U _o	≤	9V DC
I _o	≤	13 mA
P _o	≤	29.3 mW

Max. connection values

Ex ia IIC

Lo = 5 mH

Co = 0.93 μF

Ex ia IIB

Lo = 20 mH

Co = 3.8 μF

Ex ia IIA

Lo = 50 mH

Co = 4.8 μF

Ambient temperature

Type (order option)

Temperature class

Ambient temperature

Ambient temperature

dTRANS T07 B Ex

T6

Zone 1/EPL Gb

-50°C ≤ Ta ≤ +58°C

Zone 0/ EPL Ga

-50°C ≤ Ta ≤ +46°C

T5

-50°C ≤ Ta ≤ +75°C

-50°C ≤ Ta ≤ +60°C

Head transmitter

T4

-50°C ≤ Ta ≤ +85°C

-50°C ≤ Ta ≤ +60°C

without display

dTRANS T07 B Ex

T6

-40°C ≤ Ta ≤ +55°C

T5

-40°C ≤ Ta ≤ +70°C

Head transmitter

T4

-40°C ≤ Ta ≤ +85°C

with display (dTRANS T07 BD7)

dTRANS T07 T Ex

T6

-40°C ≤ Ta ≤ +46°C

(DIN rail transmitter)

T5

-40°C ≤ Ta ≤ +61°C

T4

-40°C ≤ Ta ≤ +85°C



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

This new issue of the certificate is issued to show that the ExCB responsible for the QAR has now been changed. No new ExTR required.