



(1) **EU-Type Examination Certificate**

- (2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 2014/34/EU**
- (3) Certificate number: **SEV 09 ATEX 0140 X**
- (4) Product: Pressure Transducer JUMO dTRANS p33, type: 404753/\*
- (5) Manufacturer: JUMO GmbH & Co. KG
- (6) Address: Moritz-Juchheim-Strasse 1, 36039 Fulda, Germany
- (7) The equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) Eurofins, notified body No. 1258, in accordance with article 17 of Directive 2014/34/EU of the European parliament and of the council, dated 26 February 2014, 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 the Directive.  
The examination and test results are recorded in confidential report no 22CH-01295.X06
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:

**EN IEC 60079-0:2018**  
**EN 60079-11:2012**  
**EN 60079-26:2015**

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 subjected to special conditions for safe use specified in the schedule to this certificate. The sign “U” is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.
- (11) This EU type examination certificate relates only to design and construction of the specified product. Further requirements of this directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- (12) The marking of the product shall include the following:



-> Appendix

**Eurofins Electric & Electronic Product Testing AG**  
**Notified Body ATEX**

Martin Plüss  
Product Certification



$L_i / R_i$  – ratio:

Cable length (m)	$L_i$ ( $\mu\text{H}$ )	$C_i$ (nF)	$L_i / R_i$ ( $\mu\text{H}/\Omega$ )
0	28	28	1.47
2	32	28.4	1.68
5	38	29	2.00
10	48	30	2.53
20	68	32	3.58
50	128	38	6.74

For the gas hazardous areas applies:

The maximum input power ( $P_{\text{perm}}$ ), depending on the maximum ambient temperature ( $T_a$ ) and the temperature class is shown in the following table:

Temperature class	ambient temperature $T_a$	Maximum input power $P_{\text{perm}}$ .
T4	+95 °C	0.8 W
T4	+80 °C	1.5 W
T4	+75 °C	1.8 W

T5	+85 °C	0.8 W
T5	+75 °C	1.5 W
T5	+70 °C	1.8 W

T6	+70 °C	0.8 W
T6	+60 °C	1.5 W
T6	+55 °C	1.8 W

For the hazardous areas with combustible dust applies:

The maximum input power ( $P_{\text{perm}}$ ), depending on the maximum ambient temperature ( $T_a$ ) and the maximum surface temperature is shown in the following table:

Maximum surface temperature	ambient temperature $T_a$	Maximum input power $P_{\text{perm}}$ .
T100 °C	+95 °C	0.8 W
T85 °C	+80 °C	1.5 W
T80 °C	+75 °C	1.8 W

T90 °C	+85 °C	0.8 W
T80 °C	+75 °C	1.5 W
T75 °C	+70 °C	1.8 W

T75 °C	+70 °C	0.8 W
T65 °C	+60 °C	1.5 W
T60 °C	+55 °C	1.8 W

**Notes:**

The pressure transmitter may also be mounted in tanks and pipes with flammable liquids or gases, which have pressures and temperatures that are outside the ranges specified above, provided that no potentially explosive mixtures are present. In such cases, the defined limits for the application range of the transmitter must be observed.

If the pressure transmitter is used inside areas with an explosion hazard, the relevant regulations for installing and operating equipment in this area must be observed.

(16) **Report number** 22CH-01295.X06

(17) **“Special conditions for safe use” / “Schedule of limitations”**

The special conditions(s) relate only to the type designation 407 for use in Zone 0.  
The overall system on the part of the operator should be selected so that an application-oriented zone separation is ensured. This must be realised in accordance with EN 60079-1 by the use of a protective tube and fittings. The requirements are listed in the product-related instructions.

The pressure transmitter may be mounted in tanks and pipes in which explosive vapour/air mixtures occur at pressures of 0.8 to 1.1 bar, at mixture temperatures of -20 °C to +60 °C (potentially explosive atmosphere).

For use/installation must be complied with the requirements of EN 60079-14.

(18) **Essential health and safety requirements**

In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
None	

(19) **Drawings and Documents**

See test report “Manufacturer’s Documents”