

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

(2) Equipment and protective systems intended for use in potentially explosive atmospheres – Directive 2014/34/EU

(3) EU - Type Examination Certificate Number

EPS 18 ATEX 1 155 X

Revision 0

(4) Equipment: Precision Limit Switch Type 07-296*-**62/****

(5) Manufacturer: Bartec GmbH

(6) Address: Max-Eyth-Str. 16
97980 Bad Mergentheim
Germany

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

(8) Bureau Veritas Consumer Products Services Germany GmbH, notified body No. 2004 in accordance with Article 21 given in the Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, 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 of the Directive. The examination and test results are recorded in the confidential documentation under the reference number 12TH0603.

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN 60079-0:2012+A11:2013

EN 60079-1:2014

EN 60079-31:2014

(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 annex to this certificate.

(11) This EU - Type Examination Certificate relates only to the design and examination of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.

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



II 2G Ex db IIC T6/T5 Gb

II 2D Ex tb IIIC T80°C / T95°C Db

Certification department of explosion protection

Nuremberg, 2018-08-30

H. Schaffer



(13)

Annex

(14) **EU - Type Examination Certificate EPS 18 ATEX 1 155 X**

Revision 0

(15) Description of equipment:

The precision limit switch 07-296*-**62/**** is used for switching signals and control circuits. Actuator elements will be used as required. Connection is made by means of the integrated connecting cable (open-ended line).

Electrical data:

Rated insulation voltage:	250 V	
Utilization category:	AC-15	DC-13
Rated operating voltage, up to	250 V	230 V
Rated current I_e , max.	6 A	0,25 A

Provided the marking and breaking capacities are met, rated values other than those specified above are acceptable and will be defined by the manufacturer on the basis of the operating mode, utilization category, etc.

Ambient temperature range:	-20°C to +65°C (T6 / T80°C)
	-20°C to +75°C (T5 / T95°C)
Service temperature range:	-20°C to +90°C
Contacts:	1 NOC and 1 NCC
Connecting cable:	4 x 0,75 mm ²
Ingress protection:	IP65 acc. to EN 60529
Capacitance of guide socket and actuator:	4,5 ± 0,5 pF

(16) Reference number: 12TH0603

(17) Special conditions for safe use:

The connecting cable (open-ended line) of the precision limit switch shall be installed to provide for permanent wiring and adequate protection against mechanical damage.

The open wires of the unconnected cable end must – in the potentially explosive area j- be connected in an enclosure that complies with a standardized type of protection in accordance with EN 60079-0, section 1.

The capacitance of the guide socket and the actuator is 4.5±0.5 pF. For the use in the gas group IIC a distance of at least 4 mm between the guide socket and surrounding metal surfaces has to be guaranteed.

(18) Essential health and safety requirements:

Met by compliance with standards.

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