


EU-Type Examination Certificate

- [2] EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 2014/34/EU
- [3] **EU-Type Examination Certificate Number:** Presafe 17 ATEX 11598X Issue 00
- [4] **Product:** Digital positioner
- [5] **Manufacturer:** PMV Automation AB
- [6] **Address:** Korta Gatan 9, Solna, Sweden
- [7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] DNV GL Nemko Presafe AS, notified body number 2460, 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 reports listed in section 16.
- [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 product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
- [11] This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the 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:

 II 2 G Ex db IIB+H2 T6, $-20^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$
II 2 D Ex tb IIIC T100°C, $-20^{\circ}\text{C} \leq T_a \leq +80^{\circ}\text{C}$

Bjørn Spongsveen
For DNV GL Nemko Presafe AS

The Certificate has been digitally signed.
See www.presafe.com/digital_signatures for more info



Date of issue: 2018-02-07

This certificate may only be reproduced in its entirety and without any change, schedule included.

[13] **Schedule**

[14] **EU-TYPE EXAMINATION CERTIFICATE No.:** Presafe 17 ATEX 11598X Issue 00

[15] **Description of Product**

PMV D3E/D20E/APEX9000E is a digital positioner for adjustable valves providing information about the position of the valves. D3E employs Ex d/Ex tb protection type.

D3E- is a construction for double acting air relay , D20E & APEX 9000 E is a construction for single acting air relay. All the model uses the same constructional design for enclosure.

Type designation

D3E-*/D20E*/APEX 9000E

Electrical Data

28VDC, 28mA, 0,67W

Degrees of protection (IP Code): IP 6X according to IEC 60079-31 & IP X6 according to EN 60529

Ambient temperature:

-20°C to +60°C for Gas atmosphere

-20°C to +80°C for Dust atmosphere

Routine tests: N/A

[16] **Report No.:** D0002861

[17] **Specific Conditions of Use**

Repairs of flameproof joints must be made in accordance with structural specifications provided by the manufacturer. Repairs must not be made on the basis of the values provided in Table 3 of EN 60079-1: 2014.

[18] **Essential Health and Safety Requirements**

Essential Health and Safety Requirements (EHSRs) are covered by the standards listed at item 9

[19] Drawings and documents

Number	Title	Rev	Date
D3E-App1	Critical Tolerances drawing	4	2017-11-29
D3E-App2	Material Drawing	6	2017-11-06
D3E-App3	Critical dimension drawing	2	2017-11-29
D3E-App4	D3E/Logix 800 Marking Plate	12	2017-11-09
D3E-App6	D20E/APEX 9000	0	2017-11-16
D3E-9	Glass Machining drawing	2	2009-09-15
D3E-10	Flame Arrestor drawing	2	2017-11-02
D3E-12C	Thread Label certification drawing	0	2017-11-29
D3E	Certificate model code D3E	0	2015-06-11
D20E	Certificate model code D20E	0	2017-11-16
APEX 9000E	Certificate model code APEX 9000E	0	2017-11-16
3E-As1C	D3E/D20E/APEX 9000 mounting drawing	3	2017-11-15
3E-00C	Spindle Shaft Cert. drawing	0	2017-11-06
UTV-SR-D3 -144	Specification for elastomers in D3E, D20E, APEX 9000E positioners	0	2017-02-07

[20] Certificate History

Issue	Description	Issue date	Report no.
0	Original issue	2018-02-07	D0002861

END OF CERTIFICATE