

# [1] EU-TYPE EXAMINATION CERTIFICATE

[2] Equipment or Protected System Intended for use  
in Potentially explosive atmospheres  
Directive 2014/34/EU

[3] EU-Type Examination Certificate Number: **Nemko 13ATEX1534X** Issue 2

[4] Product: **Ultraswitch DS/DM**

[5] Manufacturer: **PMV AUTOMATION AB**

[6] Address: **Korta Gatan 9  
SE-171 54 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] Nemko AS, notified body number 0470, 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. D0002616

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0: 2012, EN 60079-1: 2007, EN60079-31: 2009

[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 2G Ex d IIC T4 Gb  $-40^{\circ}\text{C} \leq \text{Tamb} \leq +85^{\circ}\text{C}$

 II 2D Ex tb IIIC T113°C Db IP 66  $-40^{\circ}\text{C} \leq \text{Tamb} \leq +85^{\circ}\text{C}$

Oslo, 2016-06-28

**Bjørn Spongsveen**  
Certification Manager, Ex-products

## [13] Schedule

[14] **EU-TYPE EXAMINATION CERTIFICATE No**    **Nemko 13ATEX1536X**    **Issue 2**

[15] **Description of Product**

PMV DS/DM limit switch enclosures provide local and remote position indication for automated valves. They may also be used as a junction box for direct installation of solenoid valves. The enclosure are made of Aluminium or Stainless steel material, with two cable entries of 3/4" NPT or M25 X 1.5 and provided with third cable entry as an optional without any opening. The aluminium enclosure has order code of B, C, W and stainless steel enclosure with S. NBR & Viton are the two gaskets used for the ingress protection.

Connecting cables must be rated for ambient temperature above 161°C.

**Type Designations**

DS: Explosion proof / Flame proof switchbox with 3/4" NPT cable entries.

DM: Explosion proof / Flame proof switchbox with M25x1,5 cable entries.

**Electrical Data**

Max 15Amps, 250 VAC.

**Degrees of protection (IP Code)**

IP66

**Ambient temperature:**

-40°C ≤ Tamb ≤ +85°C

**Routine tests**

None

[16] **Report No. D0002616**

**Descriptive Documents**

Title/Description	Name/Number	Rev.	Date	Sheets
Assembly Dwg	IIC-AS1C	4	2016-04-18	1
Material Specification	IIC-App2	1	2013-06-18	1
Tolerances	IIC-App1	0	2013-02-22	1
Cert. Label Dwg	IIC-App4	3	2016-04-28	1
Housing Casting Dwg. (SS)	IICS-1G	8	2016-02-19	1
Housing Casting Dwg. (Al)	IIC-1G	5	2014-08-04	1
Machining Drawing (SS)	IICS-1(NG)	7	2016-05-04	1
Machining Drawing (Aluminium)	IIC-1(NG)	5	2016-05-02	1
Cover casting Dwg (SS)	IICS -2G	1	2011-11-01	1
Cover casting Dwg (Aluminium)	IIC -2G	1	2011-10-26	1
Cover Machining Dwg (SS)	IICS-2	1	2012-09-12	1
Cover Machining Dwg (Aluminium)	IIC-2	1	2012-09-12	1



Bearing (SS)	IICS-3	2	2012-09-25	1
Bearing(Aluminium)	IIC-3	2	2013-02-18	1
Shaft Certification Dwg.	XC1414C	0	2012-05-14	1
Instruction Manual	FCD PMENIM0009-02	2	2016-04-20	9

#### Certificate History and Associated Nemko Reports

Issue	Date	Report	Description
0	2013-06-18	191619	Prime Certificate released
1	2013-06-27	191619	Type designation interchanged and corrected.
2	2016-06-28	D0002616	Minor changes of the descriptive documents. Three entries are now standard. Update to EN 60079-0: 2012. Update of manufacturer's name.

**[17] Specific Conditions of Use**

Flameproof & Dustproof certified cable glands/ conduits must be used.

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

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