

[1] EC-TYPE EXAMINATION CERTIFICATE

[2] Equipment or Protected System Intended for use
in Potentially explosive atmospheres
Directive 94/9/EC

[3] EC-Type Examination Certificate Number: Nemko 14 ATEX 5441X Issue 0

[4] Equipment or Protective System: Push Button - PB 135

[5] Applicant/ Manufacturer: Moflashing Signalling Ltd

[6] Address: Unit 18 Klaxon Industrial Estate, Tyseley
Birmingham B11 2HA,
United Kingdom.

[7] This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8] Nemko AS, notified body number 0470 in accordance with Article 9 of Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system 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 to the Directive.


The examination and test results are recorded in confidential report no. D0001343

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2012 (IEC 60079-0:2011) , EN 60079-1:2007 (IEC 60079-1:2007) and
EN 60079-31:2009 (IEC 60079-31:2008)

[10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

[11] This EC-TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC.
Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

[12] The marking of the equipment or protective system shall include the following:

 II 2GD Ex d IIB+H2 T4~T6 Gb.
Ex tb IIIC T135°C~T85°C (Tamb = -40°C ~+70°C)

Oslo, 2014-11-06

Asle Kaastad
Certification Manager

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[13] Schedule**[14] EC-TYPE EXAMINATION CERTIFICATE No. Nemko 14 ATEX 5441X Issue 0****[15] Description of Equipment or Protective System**

This report covers Push Bottom type PB 135. It is cuboid structure, mainly consisting of an main body and cover , all made in GRP material. There is actuator head screwed into the cover with an Ex threads of M20*1,5. An operating rod pass through this and forms an Ex Cylindrical joints from the outside to the inside of the enclosure. 2 LED's are installed in the lid by using cemented joint. There are micro switches and a terminal row inside the housing.

Designation

PB 135 Series

Electrical Ratings:

30V DC 6A, 250 VAC 11A.

Degree of Protection

IP66.

Ambient Variations

| Product | Ambient temperature | Marking |
|---------|---------------------|---|
| PB 135 | Tamb=-40°C~+70°C | Ex d IIB+H2 T4 Gb. Ex tb IIIC T135°C IP66. |
| | Tamb=-40°C~+60°C | Ex d IIB+H2 T5 Gb. Ex tb IIIC T100°C IP66. |
| | Tamb=-40°C~+55°C | Ex d IIB+H2 T6 Gb. Ex tb IIIC T85°C IP66. |

[16] Report No. D0001343**Descriptive Documents**

| Name/Title | Drawing No. | Rev. | Date | Sheets |
|-----------------------------|--------------|------|----------|--------|
| General Drawing PB 135 | 55080600000 | 1.01 | 13.03.05 | 1 |
| Dispense Drawing PB 135 | 55080600001 | 1.01 | 13.03.05 | 1 |
| Part List PB 135 | 55080600002 | 1.01 | 13.03.05 | 1 |
| Upper housing PB 135 | 55080650102 | 1.01 | 13.03.05 | 1 |
| Lower housing PB 135 | 55080350101 | 1.01 | 13.03.05 | 2 |
| Mallet PB 135 | 55080110105 | 1.01 | 13.03.05 | 1 |
| Top Body PB 135 | 55080110103 | 1.01 | 13.03.05 | 1 |
| Name plate Push Button Ex d | M55080010541 | 1 | 14.08.22 | 1 |

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Certificate History and Associated Nemko Reports

| Issue | Date | Report | Description |
|-------|------------|----------|----------------------------|
| 0 | 2014-11-06 | D0001343 | Prime Certificate released |

Routine Test

A routine pressure test according to EN 60079-1 clause 16 shall be carried out on all enclosures with the following pressures
PB 135 1.25MPa

[17] Specific Condition for Use

Repairs of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in tables 1 and 2 of EN/IEC 60079-1.

[18] Essential Health and Safety Requirements

Not applicable

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