



1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

2 Component **Explosion-proof Switch Module**

3 Manufacturer **Delvalle Global Solutions, S.L.U.**

4 Address **Paso El Prao, 6. 01320,
Oyón, Alava, Spain**

5 The component is specified in the description of this certificate and the documents to which it refers.

6 CML B.V., Chamber of Commerce No 6738671, Hoogoorddreef 15, Amsterdam, 1101 BA, The Netherlands, Notified Body Number 2776, 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 component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 12.

7 The 'U' suffix after the certificate number indicates that the component is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.

8 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN IEC 60079-0:2018	EN 60079-1:2014	EN IEC 60079-7:2015+A1:2018
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10 The equipment shall be marked with the following:



Ex db eb IIC Gb

[illegible]



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11 Description

The Explosion-proof Switch Module is a component that has a combination of level of protection flameproof “db” and increased safety “eb”. The contact compartment is flameproof, and the terminals are increased safety.

The installation method of the component is divided into two types: board front, board back. The enclosure of explosion-proof switch module is plastic. For type board front two push poles go out through the cover and for type board back these two push poles go out through the shell.

The shells of the BLQ-B6..., BLQ-H6..., BLQ-C6... are integrated one with 2 shells of the BLQ-6... by moulding.

The shells of the BLQ-B7... are integrated one with 2 shells of the BLQ-7... by moulding.

The shell of the BLQ-A75... is assembled with 2 shells of the BLQ-6....

Type designation:

2-Poles Switch

BLQ	□	/	□	/	□	/	□
1	2	-	3	-	4	-	5

1	Product identification code	BLQ
2	Mounting type	C: Board front rail type T: Board back type P: Board back type (Not installed protection cover and locking head) S: C type 2-poles switch board front rail type
3	Contact point	NONC 2NC 2NO
4	Material of point	S: silver point G: gold-plated silver point
5	Ambient temperature code	L: Ta ≥ -40°C H: Ta ≥ -55°C



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4-Poles Switch

BLQ	□	/	□	/	□□	/	□	/	□
1	2	-	3	-	4	-	5	-	6

1	Product identification code	BLQ
2	Code of 4-poles switch	A: A type B: B type H: H type
3	Mounting type	C: Board front rail type (for B, H type only) T: Board back type (for A, B type only)
4	Code of switch function	50 to 54 (for A, B type) 01 to 14, and other code (for H type)
5	Material of point	S: silver point G: gold-plated silver point
6	Ambient temperature code	L: $T_a \geq -40^{\circ}\text{C}$ H: $T_a \geq -55^{\circ}\text{C}$

Electrical Ratings

Voltage and current:

400 V ac 16 A

110 V dc 1 A

Degrees of protection (IP Code)

IP20

Ambient temperature range

[illegible][illegible]

Service temperature range

[illegible][illegible]

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	30 Aug 2019	R12464B/00	Issue of Prime Certificate

Note: Drawings that describe the equipment or component are listed in the Annex.



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13 Conditions of Manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- i. Where the product incorporates certified parts or safety critical components the manufacturer shall ensure that any changes to those parts or components do not affect the compliance of the certified product that is the subject of this certificate.
- ii. Each unit shall be subjected to a dielectric strength test in accordance with the requirements of EN/IEC 60079-7 clause 7.1.

14 Schedule of Limitations

The following conditions relate to safe installation and/or use of the equipment.

- i. The dimensions of the flameproof joints differ from those of EN/IEC 60079-1 Table 2 and therefore shall not be repaired.
- ii. Each unit shall be installed into a suitably dimensioned and certified enclosure that provides a minimum level of protection IP54. When the units are installed in enclosures of the type of protection increased safety in compliance with standard EN/IEC 60079-7, the clearance and creepage distances according to Section 4.3 and 4.4 and Table 2 shall be complied with.

Certificate Annex

Certificate Number CML19ATEX1295U
Equipment Explosion-proof Switch Module
Manufacturer Delvalle Global Solutions, S.L.U.



The following documents describe the equipment or component defined in this certificate:

Issue 0

Drawing No	Sheets	Rev	Approved date	Title
BLQ.000	1 of 1	-	30 Aug 2019	Explosion-proof Module
BLQ.000	1 of 1	-	30 Aug 2019	Explosion-proof Switch Module 4 Poles Switch