



EU Type Examination Certificate CML 19ATEX3301U Issue 0

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Component **Explosion-proof Electrical Box Accessories**
- 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 IEC 60079-7:2015+A1:2018 EN 60079-31:2014
- 10 The equipment shall be marked with the following:



II 2GD

Ex eb IIC Gb

Ex tb IIIC Db

Ts= (Refer to description)



CML 19ATEX3301U
Issue 0

11 Description

The Explosion-proof Electrical Box Accessories consist of increased safety terminals, and increased safety and dust ignition protection electrical accessories and enclosures.

The accessories include the following:

Equipment Name	Ex Marking and Technical Data
Operation Window	Ex eb IIC Gb Ex tb IIIC Db IP66 Service temp: -55°C to +80°C
Inspection Windows	Ex eb IIC Gb Ex tb IIIC Db IP66 Service temp: -55°C to +80°C
Switch Handle	Ex eb IIC Gb Ex tb IIIC Db IP66 Service temp: -55°C to +80°C
Motor Switch Handle	Ex eb IIC Gb Ex tb IIIC Db IP66 Service temp: -55°C to +80°C
Switch Handle	Ex eb IIC Gb Ex tb IIIC Db IP66 Service temp: -55°C to +80°C
Operation Handle	Ex eb IIC Gb Ex tb IIIC Db IP66 Service temp: -55°C to +80°C
Lift Type Handle	Ex eb IIC Gb Ex tb IIIC Db IP66 Service temp: -55°C to +80°C
Plug Fixed Bracket	Ex eb IIC Gb Ex tb IIIC Db IP66 Service temp: -55°C to +80°C
Protective Cap for Plug	Ex eb IIC Gb Ex tb IIIC Db IP66 Service temp: -55°C to +80°C
Earthing Screw	Ex eb IIC Gb Ex tb IIIC Db IP66 Service temp: -55°C to +80°C Sectional Area: 85 mm ²
	Ex eb IIC Gb Ex tb IIIC Db IP66 Service temp: -55°C to +80°C Sectional Area: 185 mm ²
Hinge	Ex eb IIC Gb Ex tb IIIC Db IP66 Service temp: -55°C to +80°C
Stainless Steel Nameplate	Ex eb IIC Gb Ex tb IIIC Db IP66 Service temp: -55°C to +80°C



CML 19ATEX3301U
Issue 0

Flange Plate	Ex eb IIC Gb Ex tb IIIC Db IP66 Service temp: -55°C to +80°C
Connection Board	Ex eb IIC Gb Ex tb IIIC Db IP66 Service temp: -55°C to +80°C
Terminal	Ex eb IIC Gb Service temp: -55°C to +100°C Ue: 690 V AC / DC Ie: 630 A Cross section single conductor: 50 mm ² to 185 mm ² Cross section multiple conductors: 50 mm ² to 240 mm ²
	Ex eb IIC Gb Service temp: -55°C to +100°C Ue: 630 V AC / DC Terminal 4 mm ² : Ie: 25 A Terminal 6 mm ² : Ie: 32 A
	Ex eb IIC Gb Service temp: -55°C to +100°C Terminal 10 mm ²
	Ex eb IIC Gb Service temp: -55°C to +100°C Terminal 6 mm ²
	Ex eb IIC Gb Service temp: -55°C to +100°C Terminal 2.5 mm ²
PE Terminal Block	Ex eb IIC Gb Service temp: -55°C to +100°C Copper bar size: 10 x 3 (30 mm ²) Terminal options: 8013/4 (4 mm ²) 8013/16 (16 mm ²) 8013/35 (35 mm ²)
	Ex eb IIC Gb Service temp: -55°C to +100°C Copper bar size: 20 x 5 (100 mm ²) Terminal options: 8013/4 (4 mm ²) 8013/16 (16 mm ²) 8013/35 (35 mm ²) K20/5 (35-70 mm ²) K20/10 (35-120 mm ²)
	Ex eb IIC Gb Service temp: -55°C to +100°C Copper bar size: 20 x 10 (200 mm ²) Terminal options: 8013/4 (4 mm ²) 8013/16 (16 mm ²) 8013/35 (35 mm ²) K20/5 (35-70 mm ²) K20/10 (35-120 mm ²) K20/15 (35-240 mm ²)



CML 19ATEX3301U
Issue 0

Terminal Block	Ex eb IIC Gb Service temp: -55°C to +100°C Terminal 10 mm ²
4 Pole Busbar	Ex eb IIC Gb Service temp: -55°C to +100°C Ue: 690 V AC / DC Ie: 80 A Copper bar size: 10 x 3 (30 mm ²) Terminal options: 8013/4 (4 mm ²) 8013/16 (16 mm ²) 8013/35 (35 mm ²)
	Ex eb IIC Gb Service temp: -55°C to +100°C Ue: 690 V AC / DC Ie: 250 A Copper bar size: 20 x 5 (100 mm ²) Terminal options: 8013/4 (4 mm ²) 8013/16 (16 mm ²) 8013/35 (35 mm ²) K20/5 (35-70 mm ²) K20/10 (35-120 mm ²)
5 Pole Busbar	Ex eb IIC Gb Service temp: -55°C to +100°C Ue: 690 V AC / DC Ie: 250 A Copper bar size: 20 x 15 (300 mm ²) Terminal options: 8013/4 (4 mm ²) 8013/16 (16 mm ²) 8013/35 (35 mm ²) K20/5 (35-70 mm ²) K20/10 (35-120 mm ²)
	Ex eb IIC Gb Service temp: -55°C to +100°C Ue: 690 V AC / DC Ie: 400 A Copper bar size: 20 x 10 (200 mm ²) Terminal options: 8013/4 (4 mm ²) 8013/16 (16 mm ²) 8013/35 (35 mm ²) K20/5 (35-70 mm ²) K20/10 (35-185 mm ²) K20/15 (35-240 mm ²)
	Ex eb IIC Gb Service temp: -55°C to +100°C Ue: 690 V AC / DC Ie: 630 A Copper bar size: 20 x 15 (300 mm ²) Terminal options: 8013/4 (4 mm ²) 8013/16 (16 mm ²) 8013/35 (35 mm ²) K20/10 (35-95 mm ²) K20/15 (35-300 mm ²)



CML 19ATEX3301U
Issue 0

Earthing Device	Ex eb IIC Gb Service temp: -55°C to +100°C Terminal 10 mm ²
Explosion-proof Electric Box Accessories	Ex eb IIC Gb Ex tb IIIC Db IP66/IP65 Service temp: -40°C to +60°C (foam PU seal) -55°C to +80°C (Silicone rubber)
	Ex eb IIC Gb Ex tb IIIC Db IP66 Service temp: -40°C to +60°C (foam PU seal) -55°C to +80°C (Silicone rubber)

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.

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.

14 Schedule of Limitations

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

- i. The components shall be installed such that the creepage and clearance distances between the components and other live or earthed parts comply with the requirements of clauses 4.3 and 4.4 and Table 1 of EN/IEC 60079-7.

Certificate Annex

Certificate Number CML 19ATEX3301U
Equipment Explosion-proof Electrical Box Accessories
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
001	1 of 1	-	30 Aug 2019	Explosion Proof Electric Box Accessories