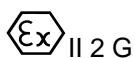


**UK Type Examination Certificate CML 21UKEX3895U Issue 2****United Kingdom Conformity Assessment**

- 1 Component Intended for use in Potentially Explosive Atmospheres  
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1
- 2 Component **GR Ex e enclosures**
- 3 Manufacturer **Pepperl+Fuchs SE**
- 4 Address **Lilienthalstrasse 200  
68307 Mannheim  
Germany**
- 5 The component is specified in the description of this certificate and the documents to which it refers.
- 6 Eurofins E&E CML Limited, Newport Business Park, New Port Road, Ellesmere Port, CH65 4LZ, United Kingdom, Approved Body Number 2503, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), 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 Schedule 1 of the Regulations.  
  
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 limitations (affecting correct installation or safe use). These are specified in Section 14.
- 8 This UK Type Examination certificate relates only to the design and construction of the specified component. Further requirements of the Regulations apply to the manufacturing process and supply of the product. These are not covered by this certificate.
- 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                      IEC 60079-31:2022

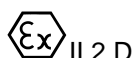
- 10 The equipment shall be marked with the following:



Ex eb IIC Gb

IP 66

Ts= -60 °C to + 85°C



Ex tb IIIC Db

IP 66





CMI 21UKEX3895U  
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## 11 Description

The GR Ex e enclosures are increased safety and dust protected component approved enclosures that are moulded in anti-static glass fibre reinforced polyester with a lid and base. The lid is held in place with stainless steel screws and has a rebate in which the gasket is held. The base has a lip that sits approximately central to the gasket and compresses it when the lid is fastened down. The enclosures may be mounted in any orientation.

The enclosures are available in a range of standard sizes shown in the table below, intermediate sizes are also permitted. Hinges may be fitted as an option as may an earth continuity plate and internal/external earth stud.

Type code	Length	Width	Depth
GR.10.10.07*	100 mm	100 mm	65 mm
GR.13.13.09*	130 mm	130 mm	85 mm
GR.13.18.09*	130 mm	180 mm	91.5 mm
GR.18.18.10*	180 mm	180 mm	104 mm
GR.18.24.10*	180 mm	240 mm	104 mm
GR.18.36.10*	180 mm	360 mm	104 mm
GR.18.36.17*	180 mm	360 mm	166.5 mm
GR.36.36.10*	360 mm	360 mm	104 mm
GR.36.36.17*	360 mm	360 mm	166.5 mm
GR.36.36.24*	360 mm	360 mm	241.5 mm
GR.48.60.24*	480 mm	600 mm	241.5 mm
GR.36.72.17*	360 mm	720 mm	166.5 mm
GR.36.72.24*	360 mm	720 mm	241.5 mm

### Variation 1

This variation introduced the following modifications:

- i. To permit alternative gasket materials

### Variation 2

This variation introduced the following modifications:

- i. To assess the alternative flange sealing arrangements
- ii. To update to the latest version of the standard: IEC 60079-31:2022 Ed 3.0
- iii. Update to schedule drawings.

## 12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	05 Oct 2021	R14112AM/00	Issue of prime certificate.
1	30 Nov 2022	R15625A/00	Introduction of Variation 1
2	15 Aug 2023	R15823B/00	Introduction of Variation 2

This certificate shall only be copied  
in its entirety and without change  
[www.CMLEx.com](http://www.CMLEx.com)



**CMI 21UKEX3895U  
Issue 2**

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

### **13 Conditions of Manufacture**

None.

### **14 Schedule of Limitations**

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

- i. The service temperature range of the enclosure and all gasket materials is -60°C to 85°C

## Certificate Annex

**Certificate Number** CML 21UKEX3895U  
**Component** GR Ex e enclosures  
**Manufacturer** Pepperl+Fuchs SE



The following documents describe the component defined in this certificate:

### Issue 0

Drawing No	Sheets	Rev	Approved date	Title
16-1555CM-10	1 to 2	0	05 Oct 2021	Additional Marking Requirements for UKCA

### Issue 1

Drawing No	Sheets	Rev	Approved date	Title
16-1369CM-04A	1 of 5	A	30 Nov 2022	GR enclosure general assembly & sizes
16-1369CM-04A	2 of 5	A	30 Nov 2022	GR enclosure cable entry capacity
16-1369CM-04A	3 of 5	A	30 Nov 2022	GR enclosure sealing arrangement
16-1369CM-04A	4 of 5	A	30 Nov 2022	GR enclosure earthing arrangement
16-1369CM-04A	5 of 5	A	30 Nov 2022	GR enclosure hinge arrangement

### Issue 2

Drawing No	Sheets	Rev	Approved date	Title
16-1369CM-04B	1 of 8	B	15 Aug 2023	GR enclosure general assembly & sizes
16-1369CM-04B	2 of 8	B	15 Aug 2023	GR enclosure cable entry capacity
16-1369CM-04B	3 of 8	B	15 Aug 2023	GR enclosure sealing arrangement
16-1369CM-04B	4 of 8	B	15 Aug 2023	GR enclosure earthing arrangement
16-1369CM-04B	5 of 8	B	15 Aug 2023	GR enclosure hinge arrangement
16-1369CM-04B	6 of 8	B	15 Aug 2023	Flexible Flanges Exd-Exe and Exe for GR certificate
16-1369CM-04B	7 of 8	B	15 Aug 2023	Flexible Flanges Exd-Exe and Exe for GR certificate
16-1369CM-04B	8 of 8	B	15 Aug 2023	GR screen & earth terminals & bars