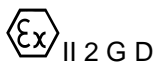


UK Type Examination Certificate CML 21UKEX3423U Issue 0**United Kingdom Conformity Assessment**

- 1 Component Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1
- 2 Component **SR 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 Section 43 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 EN 60079-31:2014
- 10 The equipment shall be marked with the following:



Ex eb IIC Gb

Ex tb IIIC Db

Ts= -60°C to +120°C



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11 Description

The SR Ex e enclosures are square or rectangular fabricated steel increased safety enclosures with covers secured by either M6 hexagon head screws or quarter turn locks. The cover fasteners along one edge may be replaced by hinges, and quarter turn locks are always used in conjunction with hinges. Sealing to IP66 between the body and cover is achieved using a silicone gasket.

Cable entries to the enclosures may be made with suitably certified cable entry devices, direct to the enclosure in the case of the smaller SRS types, or via gland plates fitted to the sidewalls in the case of the larger SRM/L/X types.

All SR types may be fitted with an internal/external earth stud to accommodate earthing or equipotential bonding connections.

The SR Ex e enclosures may be joined using a connecting flange, or to an Ex d enclosure that provides a suitable sealing surface for the connecting flange.

The service temperature range of the SR Ex e enclosures is up to -60°C to $+120^{\circ}\text{C}$. The service temperature of the equipment depends on the type of gasket used.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	23 Apr 2021	R14112F/00	Issue of Prime Certificate

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 component.

- i. The SR range of enclosures have the following service temperature ranges. When assessed as part of equipment, these temperatures shall not be exceeded:

Where the BR099 gasket is used, $T_s = -40^{\circ}\text{C}$ to $+120^{\circ}\text{C}$
Where the BR962 gasket is used, $T_s = -40^{\circ}\text{C}$ to $+120^{\circ}\text{C}$
Where the EMI-01-255SAB is used, $T_s = -60^{\circ}\text{C}$ to $+120^{\circ}\text{C}$
Where the EMI-401-255FR is used, $T_s = -60^{\circ}\text{C}$ to $+120^{\circ}\text{C}$
Where the Fermasil gasket is used, $T_s = -60^{\circ}\text{C}$ to $+120^{\circ}\text{C}$

- ii. The torque applied to the fasteners shall be at least 3 Nm.

Certificate Annex

Certificate Number CML 21UKEX3423U
Component SR Ex e Enclosures
Manufacturer Pepperl+Fuchs SE



The following documents describe the component defined in this certificate:

Issue 0

For drawings describing the component, refer to attached certificate CML 20ATEX3118U Issue 0. In addition to the drawings listed on CML 20ATEX3118U Issue 0, the following drawings include the additional marking required for this UK Type Examination certification:

Drawing No	Sheets	Rev	Approved date	Title
16-1555CM-10	1 of 2	0	23 Apr 2021	Additional Marking Requirements for UKCA