



EU Type Examination Certificate CML 21ATEX1699 Issue 0

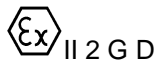
- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **E501 Miniature Wellglass Light Fitting**
- 3 Manufacturer **Pepperl+Fuchs SE**
- 4 Address Lilienthalstrasse 200, 68307 Mannheim, Germany
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 CML B.V., Chamber of Commerce No 6738671, Koopvaardijweg 32, 4906CV Oosterhout 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 equipment 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 If an 'X' suffix appears after the certificate number, it indicates that the equipment 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 60079-31:2014

- 10 The equipment shall be marked with the following:



II 2 G D

Ex db IIB T4 Gb

Ex db IIB T5 Gb

Ex tb IIIC T120°C Db

Ex tb IIIC T100°C Db

Ta= -40°C to +55°C

Ta= -40°C to +40°C

S. Roumbedakis
Technical Manager



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11 Description

The Type E501 Miniature Wellglass Light Fitting is rated for a 15 WMAX 250 VMAX tungsten filament lamp. The E501 comprises a cast iron cylindrical body and a cast iron collar. The collar is fitted with a chemically toughened wellglass, which is cemented and secured by a metal backing ring, the bezel ring being secured by two M5 hexagonal socket set screws. The body and collar are fitted together using a centre body. This item provides a cylindrical flamepath with the body and a Ø63 x 1.5 6H/6g threaded flamepath with the collar. A BC lamp holder assembly is screwed into the terminal barrier of the central body and a cast iron terminal housing makes a cylindrical joint with the centre body. The cast iron terminal housing is secured by two M5 hexagonal socket headed cap screws. Internal and external earthing facilities are provided. A compressible gasket is fitted between the cover assembly and terminal box for weather proofing. Two cable entries are provided in the terminal housing for connection of suitably certified cable glands or blanking plugs. The luminaire has universal mounting attitudes.

Notes:

SIRA 02ATEX1058 Iss. 6 is superseded by this certificate.

- The product covered by this certificate (CML 21ATEX1699 Issue 0) remains identical to that previously covered by SIRA02ATEX1058 Issue 6.
- Where SIRA02ATEX1058 is specified in other product certification, or other technical specifications, this certificate reference for the product shall be used in its place; updating of the other product certificate or technical specification is not required.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	14 Sep 2021	R14244A/00	Prime Certificate Issued

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

13 Conditions of Manufacture

- Each aluminium enclosure marked as suitable for a -40°C minimum ambient temperature shall be subjected to a routine overpressure test of 11.5 bar for at least 10 s as required by clause 16.1 of EN 60079-1. There shall be no permanent deformation or damage as a result of the test.
- Each cast iron double ended luminaire enclosure, marked as suitable for a -40°C minimum ambient temperature shall be subjected to a routine overpressure test of 14.57 bar for at least 10 s as required by clause 16.1 of EN 60079-1. There shall be no permanent deformation or damage as a result of the test.

14 Specific Conditions of Use (Special Conditions)

None

Certificate Annex

Certificate Number CML 21ATEX1699
Equipment E501 Miniature Wellglass Light Fitting
Manufacturer Pepperl+Fuchs SE



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

Issue 0

Drawing No	Sheets	Rev	Approved date	Title
16-1414SR-04	1 to 2	A	14 Sep 2021	E501 Miniature Wellglass – G.A
16-1414SR-10A	1 of 1	A	14 Sep 2021	E501 Miniature Wellglass – Certification Label