


UK Type Examination Certificate CML 21UKEX3469X Issue 0**United Kingdom Conformity Assessment**

- 1 Product or Protective System Intended for use in Potentially Explosive Atmospheres UKSI 2016:1107 (as amended) – Schedule 3A, Part 1
- 2 Equipment **Thin Client Unit and Personal Computer Unit Type TCU1100-J1-** _** _**-X and type PCU1100-J1-** _** _**-X for the system VisuNet GXP**
- 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 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 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), 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 Schedule 1 of the Regulations.

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 specific conditions of use (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 equipment. 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 60079-5:2015	EN IEC 60079-7:2015+A1:2018
EN 60079-11:2012	EN 60079-31:2014	
- 10 The equipment shall be marked with the following:

 II 2 G D

Ex eb q [ib] IIC T4 Gb

Ex tb [ib] IIIC T85°C Db

IP66



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11 Description

The Thin Client Unit / Personal Computer Unit type 'CU1100-J1-**_**_**-X*' has a metallic enclosure in type of protection Powder filling, "q" resp. Protection by enclosure "tb" with connection departments in type of protection Increased Safety, "eb" and intrinsic Safety "ib" resp. Protection by enclosure "tb".

The Unit has intrinsically safe output circuits, level of protection, "ib" for the connection of an external keyboard and mouse. Depending on the variant, the unit additionally provides an intrinsically safe TTY-interface.

The Thin Client Unit / Personal Computer Unit is connected via a plug and socket construction to the Display Unit type DPU1100-J1-... (according to CML 21UKEX3470X) of company Pepperl+Fuchs.

The construction fulfils the requirements of type of protection Increased Safety "eb" and intrinsic Safety "ib" resp. Protection by enclosure "tb".

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	11 June 2021	R14112J/00	Issue of Prime Certificate

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

13 Conditions of Manufacture

None.

14 Specific Conditions of Use

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

- i. The Unit type "CU1100-J1-*" may only be used in connection with the Display Unit type DPU1100-J1-* of company Pepperl+Fuchs according to UK-Type Examination Certificate CML 21UKEX3470X.
- ii. The intrinsically safe circuits are connected to earth.
Along the intrinsically safe circuits, potential equalization must exist.
- iii. The apparatus may only be connected to SELV / PELV-circuits according to EN 60950.
- iv. The danger of ignition due to propagating brush discharges must be avoided by mounting the apparatus in areas without intensive electro statical charging mechanism.

Certificate Annex

Certificate Number CML 21UKEX3469X
Equipment Thin Client Unit and Personal Computer Unit Type
TCU1100-J1-**-** ** *-X and type PCU1100-J1-**-** ** *-X
for the system VisuNet GXP
Manufacturer Pepperl+Fuchs SE



The following documents describe the equipment defined in this certificate:

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For drawings describing the equipment, refer to attached certificate BVS 16ATEXE083X Iss. 6. In addition to the drawings listed on BVS 16ATEXE083X Iss. 6, 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	11 June 2021	Additional Marking Requirements for UKCA