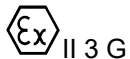




Type Examination Certificate **CML 17ATEX3337X Issue 1**

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **HISHPSM/32/MM-01-* and HiDMUX2700***
- 3 Manufacturer **Pepperl+Fuchs GmbH**
- 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, Hoogoorddreef 15, Amsterdam, 1101 BA, The Netherlands, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design of equipment intended for use in potentially explosive atmospheres given in Annex II of Directive 2014/34/EU.
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 certification (affecting correct installation or safe use). These are specified in Section 14.
- 8 This Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Annex VIII apply to the manufacture of the equipment or component.
- 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:
IEC 60079-0:2017 EN 60079-7:2015
- 10 The equipment shall be marked with the following:



II 3 G

Ex ec IIC T4 Gc

Ta= -20°C to +60°C

R C Marshall
Certification Officer



CML 17ATEX3337X
Issue 1

11 Description

The HISHPSM/32/MM-01-* (MM-01-*) is a 32-channel HART termination system. The MM-01-* has a series of screw-style terminals for connection to up to 32 Channels of 3-conductor circuits.

The MM-01-* has a slot for the mounting of the 32-Channel HART Multiplexer Master Type HiD Mux2700*. The HiD Mux2700* is powered by 24 Vdc nominal from the MM-01* and converts up to 32 channels onto a RS-485 serial communications bus for interface to various control, monitoring and signal conditioning devices. The HiD Mux2700* is mounted vertically on the MM-01*, between the two rows of terminals and is fitted with latches on each end to secure the Mux2700* in place.

The MM-01-* is DIN-rail-mounted and intended to be installed in a user-supplied enclosure when used in Zone 2 locations.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	13 Feb 2018	R21024A/00	Issue of Prime Certificate
1	07 Mar 2019	R12226A/00	Transfer of Certificate to CML BV

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 Special Conditions for Safe Use (Conditions of Certification)

The following conditions apply to the HISHPSM/32/MM-01*:

- i. The device shall be installed in an enclosure that maintains an ingress protection rating of at least IP54 and meets the enclosure requirements of IEC 60079-0.
- ii. Non-intrinsically-safe circuits are to be connected or disconnected only when the area is known to be non-hazardous or when not energized.
- iii. Fuses to be removed or replaced only when de-energized.

The following conditions apply to the HiDMUX2700*:

- i. The device shall be installed in an enclosure that maintains an ingress protection rating of at least IP54 and meets the enclosure requirements of IEC 60079-0.
- ii. Switches to be changed only when area is known to be non-hazardous.
- iii. Non-intrinsically-safe circuits are to be connected or disconnected only when the area is known to be non-hazardous or when not energized.

Certificate Annex



Certificate Number CML 17ATEX3337X
Equipment HISHPSM/32/MM-01-* and HiDMUX2700*
Manufacturer Pepperl+Fuchs GmbH

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

Issue 0

Drawing No	Sheets	Rev	Approved date	Title
16-B041CM-01	1 to 2	02	13 Feb 2018	Schematic – MM-01-*
16-B041CM-10	1 to 2	04	13 Feb 2018	Nameplate layout – MM-01-*
16-B041CM-02	1 to 2	04	13 Feb 2018	Critical Components List – MM-01-*
366-0041CS-01	1 to 3	01	13 Feb 2018	Schematics - Mux2700*
366-0041CM-10	1 to 3	03	13 Feb 2018	Nameplate layout – Mux2700*

Issue 1

None.