

UK Type Examination Certificate CML 23UKEX3087X 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 **Ex Threaded Blanking Plugs type CPM**
- 3 Manufacturer **Cooper Capri SAS (Groupe Eaton)**
- 4 Address **36-40 rue des Fontenils
41600 Nouan-le-Fuzelier,
France**
- 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 IEC 60079-7:2015+A1:2018 EN 60079-31:2014

- 10 The equipment shall be marked with the following:



II 2 GD (*)

Ex eb IIC Gb (*)

Ex tb IIIC Db (*)

(*) Depending on the surface area available on the cable entries, the marking "II2GD", "Ex eb IIC Gb" and "Ex tb IIIC Db" can be omitted.

Note: Blanking plugs meet the requirements of the protection modes "Ex eb, Ex tb", even if they are not specifically marked.



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11 Description

The Ex Threaded Blanking Plugs type CPM are made of plastic material. They are protected by increased safety for groups IIC and protected by enclosure for group IIIC.

They are intended to be used on threaded or blanked holes.

These blanking plugs are intended with the following sizes and threaded joints:

- Metric thread according to ISO 965-1 & 965-3, cylindrical thread from M16 to M63.
- PG thread according to DIN 40430, cylindrical thread from Pg9 to Pg42.

Parameters relating to the safety:

Table 1: Maximum operating temperature range:

Temperature °C	Without gasket or O-ring	Neoprene washer	EPDM O-ring	Green Fiber washer
	-30 to +90	-30 to +80	-30 to +90	-30 to +90

Table 2: Tightening torque:

Thread	Minimum Torque Values (Nm)			
	Without gasket or O-ring	Neoprene washer	EPDM O-ring	Green Fiber washer
M16	3,5	0,5	0,5	3,5
M20	7,5	1	1	7,5
M25	8	1	1	8
M32	15	3	3	15
M40	15	3	3	15
M50	20	5	5	20
M63	20	5	5	20
Pg09	3,5	0,5	0,5	4,5
Pg11	7,5	1	1	7,5
Pg13,5	7,5	1	1	7,5
Pg16	8	1	1	8
Pg21	15	3	3	15
Pg29	15	3	3	15
Pg36	20	5	5	20
Pg42	20	5	5	20



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12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	23 Mar 2023	R16225A/00	Prime Certificate issued.

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

13 Conditions of Manufacture

None.

14 Specific Conditions of Use

- i. The equipment is intended to be used in an ambient temperature range from -30°C to +90°C, or -30°C to +80°C with the Neoprene washer.
- ii. For the sizes M16/Pg9 to M32/Pg29 only, during the installation, the user will take into consideration that the equipment underwent only a shock corresponding to an energy of a low risk.
- iii. For sizes M50, M63, Pg36 and Pg42 with gas IIC only, for the risk from electrostatic discharge, the user shall read the instructions.

The other conditions of use are stipulated in the instructions.

Certificate Annex

Certificate Number CML 23UKEX3087X
Equipment Ex Threaded Blanking Plugs type CPM
Manufacturer Cooper Capri SAS (Groupe Eaton)



The following documents describe the equipment defined in this certificate:

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For all drawings, refer to attached certificate INERIS 22ATEX0006X.