



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx INE 22.0008X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2023-02-23

Applicant: **COOPER CAPRI SAS (Groupe EATON)**
36-40 rue des Fontenils
Nouan-le-Fuzelier F-41600
France

Equipment: **Ex Threaded Blanking Plugs type CPM**

Optional accessory:

Type of Protection: **eb tb**

Marking: **Ex eb IIC, Ex tb IIIC**

Approved for issue on behalf of the IECEx
Certification Body:

Position:

Signature:
(for printed version)

Date:
(for printed version)



Thierry HOUËIX

Ex Certification Officer

2023-02-28

Signé électroniquement
Digitally signed by
Thierry HOUËIX
Ex Certification Officer
Délégué Certification

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3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

INERIS
Institut National de l'Environnement Industriel et des Risques
BP n2 / Parc Technologique ALATA
F-60550 Verneuil-en-Halatte
France





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36-40 rue des Fontenils
Nouan-le-Fuzelier F-41600
France

Manufacturing locations: **COOPER CAPRI SAS (Groupe EATON)**
36-40 rue des Fontenils
Nouan-le-Fuzelier F-41600
France

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[FR/INE/ExTR22.0006/00](#)

Quality Assessment Report:

[FR/LCI/QAR07.0002/14](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Ex Threaded Blanking Plugs series 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 blank holes.

These blanking plugs are intended with the following sizes and threads :

- 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.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The equipment is intended to be used in an ambient temperatures range from -30°C to +90°C, or -30°C to +80°C with the Neoprene washer.
- 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.
- 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.

Annex:

[IECEx INE 22.0008X-00_Annex.pdf](#)



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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

MARKING

Marking has to be readable and indelible; it has to include the following indications:

- Eaton or Raxton or Capri
- CPM
- IECEx INE 22.0008X
- (1)

(1) As much of the remaining marking information. as can be accommodated:

- F-41600 Nouan Le Fuzelier
- (Year of Construction)
- Ex eb IIC Gb
- Ex tb IIIC Db
- (Type and size of thread)

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

ROUTINE EXAMINATIONS AND TESTS

None.