



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 CML 23.0002X	Page 1 of 4	<u>Certificate history:</u> Issue 0 (2023-05-08)
Status:	Current	Issue No: 1	
Date of Issue:	2023-12-18		
Applicant:	Hawke International A Division of Hubbell Limited A Member of the Hubbell Group of Companies Oxford Street West Ashton-under-Lyne Lancashire OL7 0NA United Kingdom		
Equipment:	APEX A2F, APEX E1F*, APEX 413, and APEX 423 Range of Cable Glands		
Optional accessory:			
Type of Protection:	Flameproof "db", Increased Safety "eb", Dust Ignition Protection "ta"		
Marking:	Ex db eb IIC Gb Ex ta IIIC Da IP66/67 Ts = -60°C to +130°C		

Approved for issue on behalf of the IECEx
Certification Body:

R C Marshall

Position:

Operations Director

Signature:
(for printed version)

Date:
(for printed version)

2023-12-18

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
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:

Eurofins E&E CML Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom





IECEx Certificate of Conformity

Certificate No.: **IECEx CML 23.0002X**

Page 2 of 4

Date of issue: 2023-12-18

Issue No: 1

Manufacturer: **Hawke International**
A Division of Hubbell Limited
A Member of the Hubbell Group of Companies
Oxford Street West
Ashton-under-Lyne
Lancashire OL7 0NA
United Kingdom

Manufacturing
locations:

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 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2022](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

[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 Reports:

[GB/CML/ExTR23.0002/00](#)

[GB/CML/ExTR23.0290/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0061/10](#)



IECEx Certificate of Conformity

Certificate No.: **IECEx CML 23.0002X**

Page 3 of 4

Date of issue: 2023-12-18

Issue No: 1

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Hawke APEX A2F Range of cable glands are provided with a single seal, designed to form a seal around the outer sheath of a cable and are intended for use with circular non armoured and braided cables...

Refer to Annex for full description.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Refer to Annex for specific conditions of use.



IECEx Certificate of Conformity

Certificate No.: **IECEx CML 23.0002X**

Page 4 of 4

Date of issue: 2023-12-18

Issue No: 1

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above) **Issue 1**

This variation introduces the following modifications

1. The introduction of the APEX 413 range of cable glands
2. The introduction of the APEX 423 range of cable glands
3. To extend the cable acceptance range for the E1F* using an alternative seal design for sizes A-D.
4. To update IEC 60079-31 to the latest edition.
5. To recognise an editorial change to the product description.
6. To recognise an editorial update to the Specific Condition of Use.

Annex:

[IECEx CML 23.0002X Iss. 1 Certificate Annex.pdf](#)

Annexe to: IECEx CML 23.0002X Issue 1

Applicant: Hawke International (A Division of Hubbell Limited) (A member of the Hubbell Group of Companies)

Apparatus: APEX A2F, APEX E1F*, APEX 413, and APEX 423 Range of Cable Glands

Description

The Hawke APEX A2F Range of cable glands are provided with a single seal, designed to form a seal around the outer sheath of a cable and are intended for use with circular non armoured and braided cables.

The cable gland is comprised of the following components:

1. Entry
2. Compression Seal
3. Slip ring
4. Tailnut

The Hawke APEX 423 Range of cable glands are provided with a double seal, designed to form a seal around the outer sheath of a cable and are intended for use with circular non armoured and braided cables.

The cable gland is comprised of the following components:

1. Entry
2. Inner Compression Seal
3. Inner Slip ring
4. Middenut
5. Outer Compression Seal
6. Outer Slip Ring
7. Tailnut

The Hawke APEX 413 Range of cable glands are provided with a single seal, designed to form a seal around the outer sheath of a cable. They offer a female threaded entry and are intended for connection with conduit where the conduit fitting contains the running coupler.

The cable gland is comprised of the following components:

1. Entry
2. Compression Seal
3. Slip ring
4. Conduit Backnut



Certificate Annex IECEx
Version: 9.0 Approval: Approved

Eurofins E&E CML Limited
Newport Business Park
New Port Road
Ellesmere Port
CH65 4LZ

T +44 (0) 151 559 1160
E info@cmlex.com

www.cmlex.com

Company Reg No. 8554022 VAT No. GB163023642

The Hawke APEX E1F* Range of cable glands are designed to form a seal around both the inner and outer sheath of the cable and are intended for use with a range of circular cables including armoured, non-armoured and braided cables. This gland type includes an integral armour/braid grounding device.

The cable gland is comprised of the following components:

1. Entry
2. Deluge Boot (Optional)
3. Inner Compression Seal
4. Spigot
5. Armour Clamping Ring(s)
6. Middlednut
7. Outer Compression Seal
8. Slip Ring
9. Backnut

All types of glands have a suitable service temperature of -60°C to +130°C.

The cable glands listed above may be manufactured in brass or stainless steel; all of which may be plated to suit the application. The glands may be provided with metric or imperial (NPT) entry threads. These glands are available in sizes Os up to and including F. The glands utilise thermoset rubber seals.

The gland assemblies as described above are rated for ingress protection of IP66/67. Use of Hawke IP sealing washers may be considered a suitable sealing method to maintain IP rating to the enclosure (see conditions of use) and will maintain the service temperature of the APEX cable gland range.

These cable glands may be fitted with a Hawke Gland Mounted Clamp (GMC) accessory. When fitted with the GMC, no additional clamping is required for fixed installations. This accessory is not applicable to the APEX 413 cable gland.

The APEX E1F* is provided with configurable armour clamping options, typically marked with either E1FU, E1FX or E1FW where:

- U = suits all types Braid, Tape and Armour
- X = generally suits Braid and Tape
- W = generally suits Wire Armour

All variants of the APEX E1F* are dimensionally identical with the exception of the type of ring supplied.



Conditions of Manufacture

None.

Specific Conditions of Use

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

- i. When the glands are used for increased safety or dust protection the entry thread shall be suitably sealed (in accordance with IEC 60079-14) to maintain the ingress protection rating of the associated enclosure. Not applicable when Hawke IP 66/67 sealing washer is used.
- ii. Glands for use with unarmoured or braided cables are only suitable for fixed installations, the cable for which must be effectively clamped to prevent pulling and twisting (does not apply when fitted with rear clamping device or Hawke Gland Mounted Clamp (GMC)).

Components covered by Ex Certificates issued to older editions of Standards

None.