



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2020312313000329

**Applicant** Hawke International (A Division of Hubbell Limited, A member of the Hubbell group of Companies)  
**Address** Oxford Street West, Ashton-Under-Lyne, OL7 0NA, UK  
**Manufacturer** Hawke International (A Division of Hubbell Limited, A member of the Hubbell group of Companies)  
**Address** Oxford Street West, Ashton-Under-Lyne, OL7 0NA, UK  
**Production Factory** Hawke International (A Division of Hubbell Limited, A member of the Hubbell group of Companies)  
**Production Address** Oxford Street West, Ashton-Under-Lyne, OL7 0NA, UK  
**Product** Stopping plug  
**Model/Type** 487  
**Ex marking** Ex db I Mb, Ex eb I Mb, Ex db IIC Gb, Ex eb IIC Gb, Ex tb IIIC Db  
**Reference Standards** GB/T 3836.1-2021, GB/T 3836.2-2021, GB/T 3836.3-2021, GB/T 3836.31-2021

**Certification mode** Type Test + Initial Factory Inspection + Post-Certification Surveillance

The product(s) is verified and certified according to CNCA-C23-01: 2019 *China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product* and CNEX-C2301-2019 *Guideline of China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product*.

See Annex for the detailed product information (3 pages).

Initial issue date: 2020-12-10

Issued date: 2023-04-29

Valid to: 2025-12-09

The validity of this certificate is maintained through the regular supervision of the issuing authority during the validity period.

Where any discrepancy arises between the English translation and the original Chinese version, the Chinese version shall prevail.

Director: 穆大玉



Nanyang Explosion Protected Electrical Apparatus Research Institute Co., Ltd.



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CN 0001853



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

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**Product information:**

1. This certificate covers the following models:

- 487

Metric threads size: M16...M130, See below table.

Thread size	Thread length(mm)	Pitch(mm)
M16	15	1.5
M20	15	1.5
M25	15	1.5
M32	15	1.5
M40	15	1.5
M50	15	1.5
M63	15	1.5
M75	15	1.5
M80	20	2.0
M90	20	2.0
M100	20	2.0
M110	20	2.0
M115	20	2.0
M120	20	2.0
M130	20	2.0

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IP degree: IP66/IP67.

When Stopping Plugs is manufactured in brass, steel, stainless steel or aluminium:  
Ex marking: Ex db IIC Gb, Ex eb IIC Gb, Ex tb IIC Db

When Stopping Plugs is manufactured in brass, steel, stainless steel:  
Ex marking: Ex db I Mb, Ex eb I Mb, Ex db IIC Gb, Ex eb IIC Gb, Ex tb IIC Db

- Producers should organize production in accordance with the technical documents approved by the certification body.

## 2. Specific conditions of safety use:

- The maximum service temperature range of the stopping plug when fitted with a nitrile O-ring is  $-60^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$ .
- The maximum service temperature range of the stopping plug when fitted with a silicone O-ring is  $-60^{\circ}\text{C}$  to  $+160^{\circ}\text{C}$ .
- The maximum operating temperature range of the stopping plug when fitted with no O-ring is  $-60^{\circ}\text{C}$  to  $+200^{\circ}\text{C}$ .
- When the stopping plug is fitted in plain holes in increased safety or dust protected enclosures the sealing face of the enclosure is to be smooth and the hole no larger than 0.7mm above the major diameter of the male thread on the stopping plug. The stopping plug is to be secured with a locknut and optional locking washer.
- When fitted in threaded holes the sealing face of the enclosure is to be smooth, the threaded hole perpendicular to the wall of the enclosure and the thread medium fit.
- When the stopping plugs are used for increased safety or dust protection and no O-ring is fitted the user is to ensure that the enclosure and stopping plug interface is suitably sealed, to maintain the ingress protection rating of the associated enclosure and protection concept.
- Anti-seize spray shall be applied to the stopping plug manufactured from aluminium.

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- See instruction for other information.
- 3. Certificate related report(s):
  - Type test report: CQST2010C055, CQST2010C055/01
  - Factory inspection report: CN2023Q030133
- 4. Certificate change information:
  - 1st change on April 29, 2023: Updated the standards for certification.

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