



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx BKI 07.0018

Issue No: 0

Certificate history:

Issue No. 6 (2017-03-16)

Issue No. 5 (2015-09-08)

Issue No. 4 (2014-11-26)

Issue No. 3 (2013-11-27)

Issue No. 2 (2011-03-04)

Issue No. 1 (2008-09-01)

Issue No. 0 (2007-04-24)

Status: **Current**

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Date of Issue: **2007-04-24**

Applicant: **Cooper Crouse Hinds**
Neuer Weg 49
D-69412 Eberbach, Germany
Germany

Equipment: **Control and distributions systems with metal EJ enclosures**

Optional accessory: *Type EJ. ...M.*

Type of Protection: **General requirements, Flameproof enclosures, Intrinsic safety**

Marking: Ex d IIB T4...T6
Ex d [ia/ib] IIB T6
-20 °C ≤ Tamb ≤ +55 °C

Approved for issue on behalf of the IECEx
Certification Body:

János HANKÓ

Position:

Director

Signature:
(for printed version)

Date:

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Testing Station for Explosion Proof Equipment
H 1037 BUDAPEST
MIKOVINY S.u. 2-4
Hungary





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Manufacturer: **Cooper Crouse Hinds Division**
Cooper Crouse-Hinds, SA
Avda. Santa Eulalia, 290
E-08223 Terrassa (Barcelona) SPAIN
Spain

Additional Manufacturing location(s):

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 apparatus 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 : 2004 Electrical apparatus for explosive gas atmospheres - Part 0: General requirements

Edition:4.0

IEC 60079-1 : 2003 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"

Edition:5

IEC 60079-11 : 1999 Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic safety "i"

Edition:4

*This Certificate **does not** indicate compliance with electrical 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:

[HU/BKI/ExTR07.0017/00](#)

Quality Assessment Report:

[HU/BKI/QAR07.0001/01](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The electrical fittings required for the operation of the apparatus, provided with individual certificate, can be incorporated into a flameproof enclosure made of aluminium casting, steel or stainless steel.

The enclosure variations can be prepared with inspection hole, the operating elements (push buttons, rotary switches, signal lamps indicating the operating conditions etc.) are permitted together with the enclosure.

See details in Addendum to IECEx BKI 07.0018

SPECIFIC CONDITIONS OF USE: NO

Annex:

[Addendum to IECEx BKI 07.0018.pdf](#)

1. Description

The electrical fittings required for the operation of the apparatus, provided with individual certificate, can be incorporated into a flameproof enclosure made of aluminium casting, steel or stainless steel.

The enclosure variations can be prepared with inspection hole, the operating elements (push buttons, rotary switches, signal lamps indicating the operating conditions etc.) are permitted together with the enclosure.

The boxes can include the following electrical devices and apparatus:

- Bus bars
- Terminals
- Low voltage transformers
- Air circuit-breakers
- Automatic circuit-breakers
- Control and operation circuits
- Servomotors without ventilation
- Starters ballasts for discharge lamps
- Electronic apparatus
- IS associated apparatus
- Heating element

Included capacitors have a discharge time less than 3 s, by means of parallel resistors when necessary. In any case is permitted to include cells and batteries, less if their volume $\leq 1/100$ of the free internal volume.

Empty flameproof enclosures having cover fixed by screws.

Covers can include:

- Push buttons
- Mini-pushbuttons and rotary actuators
- Rotary actuators for electrical switchgear
- Framed glass windows

having the disposition and number of elements as described in technical documents of the manufacturer.

2. Type assortment

EJ. ...M.

Legend of the signs from left to right

- | | |
|---------------|-------------------------------------|
| 1._ 2._ | Code for flameproof enclosures type |
| 3._ | B = aluminium cast |
| | W = welded steel or stainless steel |
| 4._, 5._, 6._ | Code for size |
| | EJB 12. |
| | EJB 14. |
| | EJB 23. |
| | EJB 110 |
| | EJB 120 |
| | EJB 121 |
| | EJB 130 |
| | EJB 131 |
| | EJB 240/241. |
| | EJW 250 |
| | EJW 251 |
| | EJW 350 |
| | EJW 351 |
| | EJW 561 |
| 7._ | Code for glass window |
| 8._ | code size for glass window M1 |
| | M2 |
| | M3 |
| | M4 |

– Drawings No.	N117113B0007	B	2002-11-22
	N117113B0008	B	2002-11-22
	N117113B0010	B	2002-11-22
	N117113B0011	B	2002-11-22
	N117113A0012	A	2001-11-28
	N117113A0013	A	2001-11-28
	N117113A0016	A	2001-11-28
	N117113B0017	B	2002-11-22
	N117113B0023	B	2001-11-28
	N117113B0025	B	2001-11-28
	N117113A0036	A	2002-11-22
	N117114A0004	A	2002-11-22
	N117114B0009	B	2002-11-22
	N117114B0010	B	2002-11-22
	N117114B0023	B	2002-11-22
	N117114B0024	B	2002-11-22
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	N117114B0028	B	2002-11-22
	N117114B0030	B	2002-11-22
	N117114B0031	B	2002-11-22
	N117114B0032	B	2002-11-22
	N117114B0033	B	2002-11-22
	N117114B0034	B	2002-11-22
	N117114B0035	B	2002-11-22
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	N117114A0037	A	2002-11-22
	N117114A0040	A	2002-11-22
	N117114A0041	A	2002-11-22
	N117114A0042	A	2001-11-28
	N117114B0043	B	2002-11-22
	N117114B0045	B	2002-11-22
	N117114A0064	A	2002-11-22
	N119111A0001	A	2002-11-22
	N119112A0002	A	2002-11-22
	N119112A0004	A	2002-11-22
	N119112A0005	A	2002-11-22
	N119112A0006	A	2002-11-22
	N119112A0007	A	2002-11-22
	N119113A0001	A	2002-11-22
	N119113A0002	A	2002-11-22
	N119113A0003	A	2002-11-22
	N119113A0004	A	2002-11-22
	N119113A0005	A	2002-11-22
	935186	C	2001-11-28
	935187	C	2001-11-28
	935188	C	2001-11-28
	935189	C	2001-11-28
	937293	A	2001-11-28
	946936	–	1992-02-04

Test report LOM 2.003 BP 7 pages (2003.01.30)

1. Supplement Test report LOM 03.138 SP 2 pages (2003.04.27)

1. Supplement Test report LOM 03.234 KP 2 pages (2005.10.20)