



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 ITS 14.0035X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 3 [Issue 2 \(2017-11-09\)](#)
Date of Issue: 2021-03-12 [Issue 1 \(2015-03-26\)](#)
[Issue 0 \(2014-08-27\)](#)
Applicant: **Scancon Encoders A/S**
Huginsvej 8
DK-3400
Hilleroed
Denmark
Equipment: **Blind Plugs (blanking elements) M20 and M25**
Optional accessory:
Type of Protection: **Flameproof 'Ex db', and Dust protection by enclosure 'Ex tb'**
Marking: Ex db I Mb
Ex db IIC Gb
Ex tb IIIC Db
IECEX ITS 14.0035X

Approved for issue on behalf of the IECEx
Certification Body:

Paul Moss

Position:

Certification Officer

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 www.iecex.com or use of this QR Code.



Certificate issued by:

Intertek Testing & Certification Limited
ITS House, Cleeve Road
Leatherhead
Surrey, KT22 7SA
United Kingdom

intertek



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Manufacturer: **Scancon Encoders A/S**
Huginsvej 8
DK-3400
Hilleroed
Denmark

Additional 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 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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/ITS/ExTR14.0038/00](#)
[GB/ITS/ExTR14.0038/03](#)

[GB/ITS/ExTR14.0038/01](#)
[GB/ITS/ExTR15.0002/00](#)

[GB/ITS/ExTR14.0038/02](#)

Quality Assessment Report:

[GB/EXV/QAR17.0015/03](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Scancon Blind Plugs are blanking elements available in thread sizes M20 x 1.5, and M25 x 1.5, and manufactured from stainless steel. They are to be fully tightened into threaded holes on thick-walled flameproof and dust protected enclosures to form a threaded joint such that minimum thread engagement requirements are met.

The operating temperature range is -60°C to +120°C.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The operating temperature range is -60°C to +120°C. The temperature locally and internally to the blind plugs when fitted into an enclosure must be taken into account, in addition to the external ambient temperature range.
- When fitted to a non-metallic/non-conductive enclosure, conformity with Clause 7.5 of EN 60079-0:2018 or IEC 60079-0:2017 must be confirmed.
- When used in flameproof (Ex d) applications, the wall of the flameproof enclosure into which it is fitted shall be such as to maintain at least 5 full threads or 8mm of engagement.
- Blanking elements must not be used with a thread adaptor.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1:

Change of address from "Tranevang 1, 3450 Allerød, Denmark" to "Huginsvej 8, DK-3400, Hillerød, Denmark". The blind plugs are small and the Scancon name is marked on the equipment but not the postal address, as permitted and in compliance with IEC 60079-0 Edition 6.0. The address on the Installation, Operation and Maintenance Instructions has been updated. Minor clarifications within certificate have been made by Intertek.

Issue 2:

1. Change of QAR from DE/TUN/QAR12.0002/02 to GB/EXV/QAR17.0015/00.
2. Update from IEC 60079-1:2007 Ed. 6 to IEC 60079-1:2014 Ed. 7.
3. Change of operating temperature range (from -40°C to +70°C to -60°C to +120°C).

Issue 3:

1. Update from IEC 60079-0:2011 Ed 6 to IEC 60079-0:2017 Ed 7.
2. Consolidation of certification drawings.

Annex:

[IECEx ITS 14.0035X Iss 3 - Annex for IECEx Certificate of Conformity.pdf](#)



Annex to IECEx Certificate of Conformity

Certificate No:	IECEX ITS 14.0035X	Issue No. 3
Annex No. 1		

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
*Certification drawing – Blind Plugs Ex-dwg	00130774C	1	22-12-2020
*Blind Plug Installation Guide (2 pages)	00143057	8	22 Dec. 2020

Note: An * is included before the title of documents that are new or revised.

Certificate issued by:

intertek

Total Quality. Assured.

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