



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 TSA 15.0002X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 2 Issue 1 (2017-11-17)
Issue 0 (2015-03-18)
Date of Issue: 2021-03-29
Applicant: **Scancon Encoders A/S**
Huginsvej 8
3400 Hilleroed
Denmark
Equipment: **Blanking elements (Blind plugs) M20 and M25**
Optional accessory:
Type of Protection: **Flameproof 'db', and Dust protection by enclosure 'tb'**
Marking: Ex db I Mb
Ex db IIC Gb
Ex tb IIC Db IP66/68

Approved for issue on behalf of the IECEx
Certification Body:

Ujen Singh

Position:

Quality & Certification Manager

Signature:
(for printed version)

Date:

29 March 2021

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:

TestSafe Australia
919 Londonderry Road
Londonderry NSW 2753
Australia





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Date of issue: 2021-03-29

Issue No: 2

Manufacturer: **Scancon Encoders A/S**
Huginsvej 8
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:

[AU/TSA/ExTR15.0014/00](#)

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

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

Quality Assessment Report:

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



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The equipment is a range of blanking elements intended for Group I/IIC gas applications and for Group IIIC for dust applications.

Scancon blanking elements (bling plugs) are threaded type and are available in sizes M20x1.5 and M25x1.5. They are made from stainless steel and are intended for use on flameproof enclosure and dust protected enclosure.

The blind plugs are fully tightened into threaded holes of an enclosure forming a threaded joint.

In addition to compliance with IP66 the blind plugs complied with IP68 at 1 m depth for 60 minutes.

Blind plug is not to be used with an adapter.

Scancon Blind Plugs						
Plug Designation	Thread Type	Thread Dia (mm)	Thread Pitch (mm)	Thread Length (mm)	Tolerance Quality	Recommended Torque (Nm)
M20	Metric	20	1.5	15	6g	50
M25	Metric	25	1.5	15	6g	65

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 plug 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 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)

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

Annex:

[Annexe of IECEx TSA 15.0002X Issue 2.pdf](#)



IECEX Certificate of Conformity Annexe

Annexe for Certificate No.:	IECEX TSA 15.0002X	Issue No.:	2
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Drawing list pertaining to Issue 2 of this Certificate:

Drawing / Document Number:	Page/s:	Title:	Revision Level:	Date: (yyyy-mm-dd)
00130774C	1	*Certification drawing – Blind Plugs Ex-dwg	1	2020-12-22
00143057	2	*Blind Plug Installation Guide (2 Pages)	8	2020-12-22

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

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