



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 DEK 20.0076X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-11-27

Applicant: **Endress+Hauser SE+Co. KG**
Hauptstraße 1
79689 Maulburg
Germany

Equipment: **Blanking elements Type BE0*0*****

Optional accessory:

Type of Protection: **Ex db, ta**

Marking: Ex db IIC Gb
Ex ta IIIC Da

Approved for issue on behalf of the IECEx
Certification Body:

L.G. van Schie

Position:

Certification Manager

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:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands





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Date of issue: 2020-11-27

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Manufacturer: **Endress+Hauser SE+Co. KG**
Hauptstraße 1
79689 Maulburg
Germany

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 Report:

[NL/DEK/ExTR20.0074/00](#)

Quality Assessment Report:

[DE/TUN/QAR06.0003/08](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The blanking elements type BE0*0*** are used to close unused threaded entries in enclosures.
The blanking elements are in type of protection Ex "db" and "ta".

See Annex1 to NL/DEK/ExTR20.0074/00 for the type designation and service temperatures.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The operating temperature of -60 °C to +100 °C applies for Ex db. For the application of the blind plug M20 x 1.5 in type of protection Ex ta, the service temperature limitations of the O-ring apply. See Annex 1 for the service temperature limitations.
- Flameproof joints are not intended to be repaired.

Annex:

[224690100-Annex 1 to ExTR20.0074.00.pdf](#)

Type designation

BE0*0***

Code		Description	Variant	Description	Variant	Description / O-ring	
B	E	01	M20 x 1.5, Hexagon head	01	Stainless steel	01	EPDM70C4PX-004S (SHS) EPDM E7502 (Trelleborg)
				02	Aluminium	02	EPDM70C4PX-003S (SHS) EPDM 70.10-02 (Angst+Pfister)
						03	VMQ70C20PX-002R (SHS)
		02	¾ NPT, Hexagon socket	01	Stainless steel	N/A	N/A
				02	Aluminium		
		03	½ NPT, Hexagon socket	01	Stainless steel		
				02	Aluminium		

Service temperature

Service temperature for the blanking elements in type of protection Ex db: -60 °C to +100 °C

The Service temperature for the blanking elements in type of protection Ex ta depends on the material of the O-ring.

O-ring	Service temperature
EPDM70C4PX-004S (SHS) EPDM E7502 (Trelleborg)	-40 °C to +85 °C
EPDM70C4PX-003S (SHS) EPDM 70.10-02 (A+P)	-50 °C to +85 °C
VMQ70C20PX-002R (SHS)	-50 °C to +130 °C