



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 IBE 21.0043X	Page 1 of 3	<u>Certificate history:</u>
Status:	Current	Issue No: 0	
Date of Issue:	2025-04-30		
Applicant:	GEMÜ Gebr. Müller Apparatebau GmbH & Co. KG Fritz-Müller-Straße 6-8 74653 Ingelfingen Germany		
Equipment:	Combi switchbox type 1241		
Optional accessory:			
Type of Protection:	Intrinsic safety		
Marking:	Ex ia IIC T4 Gb Ex ia IIIC T120 °C Db 0 °C ≤ T _a ≤ +60 °C		

Approved for issue on behalf of the IECEx
Certification Body:

Dr.-Ing. Peter Cimalla

Position:

Deputy Head of department Certification Body

Signature:
(for printed version)

Date:
(for printed version)

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:

IBExU Institut für Sicherheitstechnik GmbH
Fuchsmühlenweg 7
09599 Freiberg
Germany





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Manufacturer: **GEMÜ Gebr. Müller Apparatebau GmbH & Co. KG**
Fritz-Müller-Straße 6-8
74653 Ingelfingen
Germany

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 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

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:

DE/IBE/ExTR25.0004/00

Quality Assessment Report:

DE/IBE/QAR19.0001/04



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The combi switch box type 1241 is suitable for mounting on pneumatically actuated linear drives. The position of the valve spindle is reliably detected and signalled electronically using a 2-wire Namur proximity switch. The combi switch box consists of separately certified intrinsically safe components or simple apparatus as terminals which are located in a common housing.

Technical data:

Ambient temperature range:	0 °C to +60 °C
Degree of protection:	at least IP64
Internal sensor:	Inductive sensor (2-wire Namur sensor)
Type:	NJ 1,5-6,5-15N
Quantity:	2
Nominal voltage:	8 V
Intrinsically safe values (for each sensor circuit):	
U_i	16 V
I_i	52 mA
P_i	169 mW
L_i	50 μ H
C_i	30 nF

SPECIFIC CONDITIONS OF USE: YES as shown below:

The housing shall be installed protected against mechanical danger.

The devices have to be installed protected against electrostatic charges. Cleaning is permitted only with a damp cloth.

The intrinsically safe values are mentioned in the instructions.

The cable entries shall only be used for non-armoured and non-braided cables and only for fixed installations.