

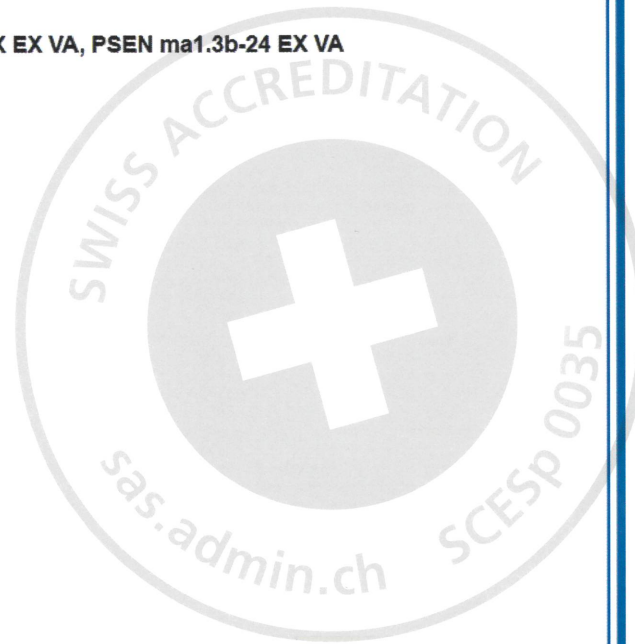


# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX SEV 21.0001X** Page 1 of 3 [Certificate history:](#)  
Status: **Current** Issue No: 0  
Date of Issue: 2021-02-18  
Applicant: **Pilz GmbH & Co. KG**  
Felix-Wankel-Str. 2  
73760 Ostfildern  
Germany  
Equipment: **Proximity switch and actuator, Types: PSEN ma1.3b-28 IX EX VA, PSEN ma1.3b-24 EX VA**  
Optional accessory: ---  
Type of Protection: **m**  
Marking: **Ex mc IIC T6 Gc**  
**Ex mc IIIC T80 °C Dc**



Approved for issue on behalf of the IECEx  
Certification Body:

**Martin Plüss**

Position:

**Manager Product Certification**

Signature:  
(for printed version)

Date:

2021-02-18

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](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**Eurofins Electric & Electronic Product Testing AG**  
Luppenstrasse 3  
CH-8320 FEHRALTORF  
Switzerland



E&E



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Date of issue: 2021-02-18

Issue No: 0

Manufacturer: **Pilz GmbH & Co. KG**  
Felix-Wankel-Str. 2  
73760 Ostfildern  
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 60079-18:2017** Explosive atmospheres - Part 18: Protection by encapsulation "m"  
Edition:4.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

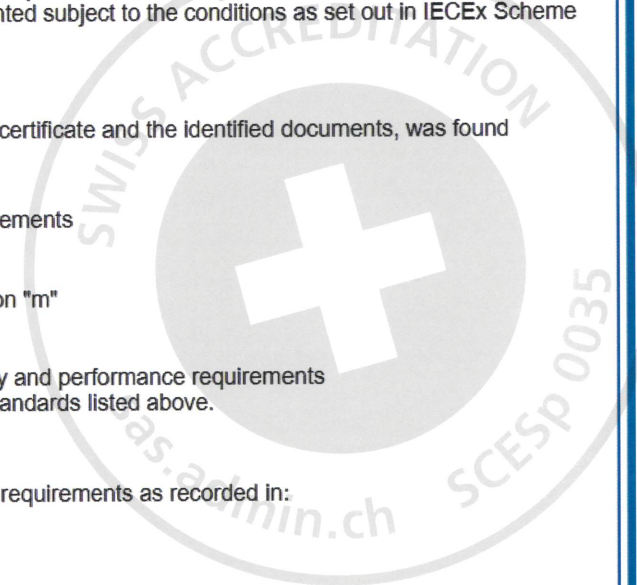
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[CH/SEV/ExTR21.0001/00](#)

Quality Assessment Report:

[CH/SEV/QAR20.0009/00](#)





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Certificate No.: **IECEX SEV 21.0001X**

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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Proximity switch and actuator  
PSEN ma1.3b-28 IX EX VA  
PSEN ma1.3b-24 EX VA

The safety switches PSEN ma1.3b-28 IX EX VA and the PSEN ma1.3b-24 EX VA are safety switches which react together with a magnetic actuator. The circuit is encapsulated. They are built in a metal housing.

Classification of installation and use: stationary  
Ingress protection: IP67, encapsulated  
Rated ambient temperature range (°C): -25 °C ... +55 °C up to 4000 metre above sea level.  
Rated service temperature range (°C) for Ex Components: N/A

Rating:  
Voltage = 24 VDC (-20 %/ +10 %)  
Max. current auxiliary contact = 7 mA  
Power: = 0.185 W

Safety contacts:  
Maximum voltage = 26.4 V  
Maximum power per output = 2.64 W  
Maximum current per output = 100 mA

## SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The proximity switch must be protected from UV-light or direct sunlight.
2. The proximity switch must be earthed.
3. The permissible ambient temperature range is -25 °C to +55 °C.

