



(1) **Conformity Statement**

- (2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 2014/34/EU**
- (3) Certificate number: **SEV 12 ATEX 0121 X**
- (4) Product: Safety switch product groups: PSEN 1.X, PSEN 2.X
- (5) Manufacturer: Pilz GmbH & Co. KG
- (6) Address: Felix-Wankel-Strasse 2, 73760 Ostfildern, Germany
- (7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) Eurofins certifies that this product has been found to comply with the essential health and safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European parliament and of the Council, dated 26 February 2014.
The examination and test results are recorded in confidential report no. 23CH-00147.X03
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018
EN 60079-7:2015
EN IEC 60079-7:2015/A1:2018
EN 60079-18:2015
EN 60079-18:2015/A1:2017
EN 60079-31:2014

Except in respect of those requirements listed at item 18 of the schedule.

- (10) If the sign «X» is placed after the certificate number, it indicates that the product is subjected to special conditions for safe use specified in the schedule to this certificate. The sign "U" is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.
- (11) This Conformity Statement relates only to the design and construction of the specified product and not to specific items of product subsequently manufactured.
- (12) The marking of the product shall include the following:



See Appendix
Siehe Anhang

Eurofins Electric & Electronic Product Testing AG
Notified Body ATEX

Urban Strebel
 Product Certification



(13)

Appendix

(14)

Conformity Statement no. SEV 12 ATEX 0121 X

(15) **General product information**

The safety switches of the PSEN 1.X and 2.X series are safety magnetic switches which react with a magnet. They are installed in a plastic housing encapsulated. The safety switches are available with a plug or with a permanently connected cable.

Type reference:

PSEN 1.1b-23	PSEN 1.1b-25	PSEN 1.1p-23	PSEN 1.1p-25
PSEN 1.2p-23	PSEN 1.2p-25	PSEN 2.1b-26	PSEN 2.1p-24
PSEN 2.1p-34	PSEN 2.2p-24	PSEN ma 2.1p-34	

Marking

Versions with connector:

	II 3 G	Ex ec mc IIC +80 °C (T6) Gc
	II 3 D	Ex mc tc IIIC T80 °C Dc

Version with cable:

	II 3 G	Ex mc IIC +80 °C T6 Gc
	II 3 D	Ex mc IIIC T80 °C Dc

Ratings

Electric circuit supply:

Rating voltage:	24 VDC
Tolerance:	+/- 20 %
Maximum switch current:	0.5 A
Power consumption:	0.17 W

Classification of installation and use:	stationary
Ingress protection:	IP6X
Rated ambient temperature range (°C):	
PSEN 1.X	: -10 °C ≤ Tamb ≤ +55 °C
PSEN 2.X and PSEN ma 2.1	: -25 °C ≤ Tamb ≤ +55 °C

(16) **Report number**

23CH-00147.X03

(17) **“Special conditions for safe use” / “Schedule of limitations”**

1. The permissible ambient temperature for product group PSEN 1.X is -10 ° C to +55 °C
Product group PSEN 1.X consists of PSEN 1.1b-23, PSEN 1.1b-25, PSEN 1.1p-23 PSEN 1.1p-25, PSEN 1.2p-23, PSEN 1.2p-25.

The permissible ambient temperature for product group PSEN 2.X is -25 ° C to +55 °C.
Product group PSEN 2.X consists of PSEN 2.1b-26, PSEN 2.1p-24, PSEN 2.1p-34, PSEN 2.2p-24, PSEN ma 2.1p-34.

2. The device must be installed so that the connector must be protected from impact or shock according to EN IEC 60079-0 section 26.4.2.
3. The connector must be secured against accidental loosening, and the warning is printed on the device as follows:
“WARNING – DO NOT SEPARATE WHEN ENERGIZED”
4. Ensure that the pollution degree is 1 or 2 when connecting or disconnecting the connectors.
The degree of air pollution 2 can also be granted if care is taken during installation and maintenance.

(18) **Essential health and safety requirements**

In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
None	

(19) **Drawings and documents**

See Test Report “Manufacturer’s Documents”