



► PSENmlock mini flexible actuator

Shortform-1007206-EN-02
- PSEN sensor technology

PILZ
THE SPIRIT OF SAFETY



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1 Introduction

1.1 Using the documentation

This document is intended for instruction. Only install and commission the product if you have read and understood this document. The document should be retained for future reference.

1.2 Definition of symbols

Information that is particularly important is identified as follows:



DANGER!

This warning must be heeded! It warns of a hazardous situation that poses an immediate threat of serious injury and death and indicates preventive measures that can be taken.



WARNING!

This warning must be heeded! It warns of a hazardous situation that could lead to serious injury and death and indicates preventive measures that can be taken.



CAUTION!

This refers to a hazard that can lead to a less serious or minor injury plus material damage, and also provides information on preventive measures that can be taken.



NOTICE

This describes a situation in which the product or devices could be damaged and also provides information on preventive measures that can be taken. It also highlights areas within the text that are of particular importance.



INFORMATION

This gives advice on applications and provides information on special features.

2 Safety

2.1 Safety regulations

2.1.1 Additional documents that apply

The safety locking device PSENmlock mini can also be operated with the flexible actuators described in this documentation. Please read and take note of the following PSENmlock mini operating manuals:

- ▶ PSEN mIm 1 ba 1.1/2.1/2.2 (1005801)
- ▶ PSEN mIm 1 sa 1.1/2.1/2.2 (1005802)

3 Installation

The safety locking device PSENmlock mini is supplied with the following actuators as standard:

- ▶ Actuator a, for safety locking device PSENmlock mini, side mounting, external attachment with order number 6K000007
- ▶ Actuator b, for safety locking device PSENmlock mini, front mounting, internal attachment of order number 6K000008

You can replace these actuators with the flexible actuators:

- ▶ Flexible actuator a, for safety locking device PSENmlock mini, side mounting, external attachment order number 6K000033
- ▶ Flexible actuator b, for safety locking device PSENmlock mini, front mounting, internal attachment order number 6K000034

When both flexible actuators are used, different values apply for service life, holding forces and offset (see [Technical details](#) [7]).

The stated values only apply if you comply with a maximum angular offset of 2.5°.

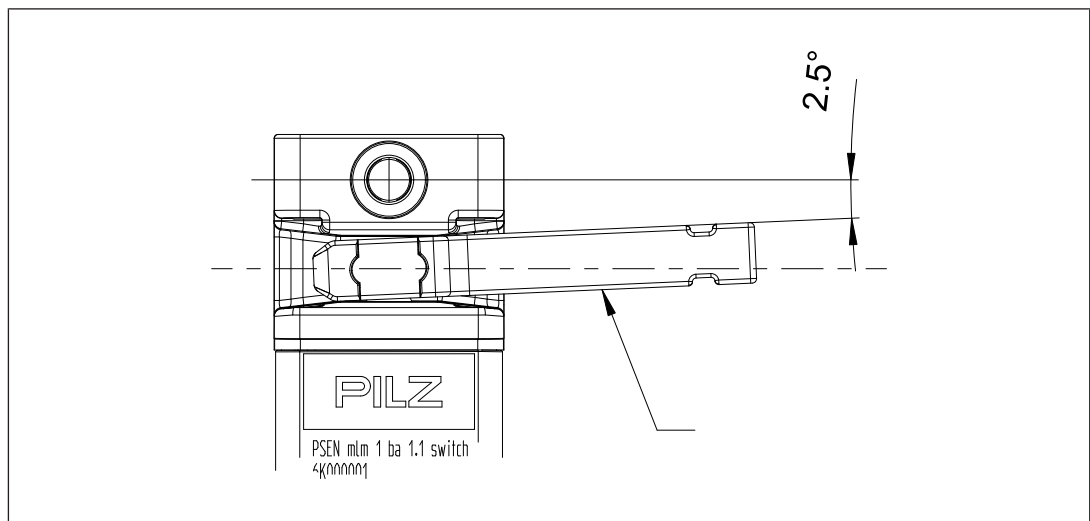


Fig.: Max. angular offset when using the flexible actuator:

All information on the installation can be found in the PSENmlock mini operating manuals:

- ▶ PSEN mIm 1 ba 1.1/2.1/2.2 (1005801)
- ▶ PSEN mIm 1 sa 1.1/2.1/2.2 (1005802)

4 Technical details

Where standards are undated, the valid editions apply.

Mechanical data	6K000001, 6K000002, 6K000003 with 6K000033 or 6K000034	6K000004, 6K000005, 6K000006 with 6K000033 or 6K000034
Mechanical life	200,000 cycles	200,000 cycles
Holding force FZh		
in Z-direction	1400 N	1400 N
in X-direction	1400 N	1400 N
Holding force F1Max in accordance with ISO 14119		
in Z-direction	2800 N	2800 N
in X-direction	2800 N	2800 N
Offset		
Max. vertical offset	±1.5 mm	±1.5 mm
Max. lateral offset	±1.4 mm	±1.4 mm
Max. offset in closing direction	±1.4 mm	±1.4 mm

All other technical details can be found in the following PSENmlock mini operating manuals:

- ▶ PSEN mIm 1 ba 1.1/2.1/2.2 (1005801)
- ▶ PSEN mIm 1 sa 1.1/2.1/2.2 (1005802)

5 Order reference

5.1 Flexible actuator

Product type	Features	Order no.
PSEN mlm actuator af	Flexible actuator a, for safety locking device PSENmlock mini, side mounting, external attachment	6K000033
PSEN mlm actuator bf	Flexible actuator b, for safety locking device PSENmlock mini, front mounting, internal attachment	6K000034

6 **EC declaration of conformity**

This product/these products meet(s) the requirements of the following directives of the European Parliament and of the Council.

► 2014/53/EU on radio equipment

The complete EC Declaration of Conformity is available on the Internet at www.pilz.com/downloads.

Representative: Pilz GmbH & Co. KG, Felix-Wankel-Str. 2, 73760 Ostfildern, Germany

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UKCA-Declaration of Conformity

This product(s) complies with following UK legislation: Radio Equipment Regulations 2017

The complete UKCA Declaration of Conformity is available on the Internet at www.pilz.com/downloads.

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► Support

Technical support is available from Pilz round the clock.

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We are represented internationally. Please refer to our homepage www.pilz.com for further details or contact our headquarters.

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