Safety locking device PSENslock 2 – more productivity through robust guard locking

NEW

The new generation of the safety locking device PSENslock 2 is suitable for universal use for safety gate monitoring in process protection up to PL e, Cat. 4 (EN ISO 13849). For applications that require safe guard locking for personnel protection, for the first time there is also a version available that offers this feature. In all versions, the RFID safety switches offer a high level of manipulation protection for maximum safety.

With the high holding force F_{1max} of optionally 1 000 or 2 000 N, the PSENslock 2 is suitable for both large gates and small flaps. Any tolerances that occur due to safety gate misalignment or vibration are reliably offset by PSENslock 2, thus guaranteeing high availability. With the available RFID tags, the latching force can be set quickly and simply in stages – to suit your plant and the size of the safety gate. Also suitable for use under rugged operating conditions, PSENslock 2 with protection type IP67/IP6K9K is insensitive to dust and water.

The design prevents dust and dirt deposits. For hygiene-critical applications, there are also versions with stainless steel components.

Your benefits at a glance

- Resistant even in tough ambient conditions
- Flexibly mounted actuator with large contact surfaces offsets tolerances even with safety gate misalignment
- High degree of manipulation protection prevents unwanted production interruptions, coding freely selectable
- Convenient diagnostics via 4 LEDs for simple status messages
- Can be adapted to individual requirements through adjustable latching force via RFID tag or SDD
- Intelligent diagnostics in series connection via SDD (Safety Device Diagnostics)
- Long service life through non-contact, magnetic guard locking device
- Safe series connection up to PL e can be implemented quickly and simply

Safety switch with magnetic guard locking device PSENslock 2

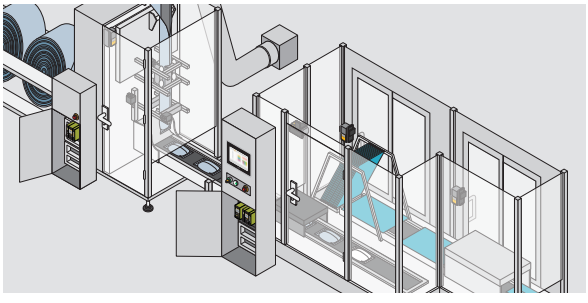
PSEN sl2-DM1-P switch

PSEN sl2-DL3-P switch

PSEN sl2-M-AL actuator

PSEN sl2-L-VA actuator

Type	Technical features	Order number
▸ **Safety switch for process protection: Holding force: 1 000 N**		
PSEN sl2-DM1-P switch	M12 8-pin, coded, series connection	6N000001
PSEN sl2-DM2-P switch	M12 8-pin, fully coded, series connection	6N000002
PSEN sl2-DM3-P switch	M12 8-pin, uniquely coded, series connection	6N000003
PSEN sl2-DM1-N switch	M12 5-pin, coded	6N000013
PSEN sl2-DM2-N switch	M12 5-pin, fully coded	6N000014
PSEN sl2-DM3-N switch	M12 5-pin, uniquely coded	6N000015
PSEN sl2-IM1-P switch	M12 8-pin, coded, series connection, safety outputs independent of guard locking	6N000019
PSEN sl2-IM2-P switch	M12 8-pin, fully coded, series connection, safety outputs independent of guard locking	6N000020
PSEN sl2-IM3-P switch	M12 8-pin, uniquely coded, series connection, safety outputs independent of guard locking	6N000021
▸ **Safety switch for process protection: Holding force: 2 000 N**		
PSEN sl2-DL1-P switch	M12 8-pin, coded, series connection	6N000004
PSEN sl2-DL2-P switch	M12 8-pin, fully coded, series connection	6N000005
PSEN sl2-DL3-P switch	M12 8-pin, uniquely coded, series connection	6N000006
PSEN sl2-DL1-N switch	M12 5-pin, coded	6N000016
PSEN sl2-DL2-N switch	M12 5-pin, fully coded	6N000017
PSEN sl2-DL3-N switch	M12 5-pin, uniquely coded	6N000018
PSEN sl2-IL1-P switch	M12 8-pin, coded, series connection, safety outputs independent of guard locking	6N000022
PSEN sl2-IL2-P switch	M12 8-pin, fully coded, series connection, safety outputs independent of guard locking	6N000023
PSEN sl2-IL3-P switch	M12 8-pin, uniquely coded, series connection, safety outputs independent of guard locking	6N000024
▸ **Safety switch for personnel protection: Holding force: 2 000 N**		
PSEN sl2-GL1-S switch	M12 12-pin, coded, series connection	6N000007
PSEN sl2-GL2-S switch	M12 12-pin, fully coded, series connection	6N000008
PSEN sl2-GL3-S switch	M12 12-pin, uniquely coded, series connection	6N000009
PSEN sl2-GL1-P switch	M12 8-pin, coded	6N000010
PSEN sl2-GL2-P switch	M12 8-pin, fully coded	6N000011
PSEN sl2-GL3-P switch	M12 8-pin, uniquely coded	6N000012
▸ **Actuator**		
PSEN sl2-M-AL actuator	Holding force: 1 000 N, material: Al	6N000025
PSEN sl2-L-AL actuator	Holding force: 2 000 N, material: Al	6N000026
PSEN sl2-M-VA actuator	Holding force: 1 000 N, material: VA	6N000028
PSEN sl2-L-VA actuator	Holding force: 2 000 N, material: VA	6N000027



The robust design enables safe process guarding even in hygiene-critical applications such as in the packaging industry.

Safety locking devices PSENslock 2:

Webcode: web150408

Online information at www.pilz.com