



## ► Safety gate systems



*PSEN sl-0.5p*



*PSEN sl-1.0p*



*PSEN sg1c-2/1*

### ... for protecting guards

When a guard is opened, hazardous machine movements must be stopped in accordance with EN 1088 and a restart must be prevented. It must not be possible to either defeat or manipulate the guards.

Pilz safety gate systems are particularly effective in meeting this requirement and incorporate additional functionalities for greater economy:

- PSENslock – Safety gate monitoring with process guarding
- PSENsgate – Safety gate monitoring, safe guard locking and control elements



### Application overview and distinction between safety gate systems

Type	PSENSlock	PSENSgate
<b>Application on guards</b>		
Covers	◆	
Flaps	◆	
Hinged safety gates	◆	◆
Sliding safety gates	◆	(◆) <sup>1)</sup>
<b>Operating principle</b>	<ul style="list-style-type: none"> <li>▶ Non-contact, coded</li> <li>▶ Transponder technology</li> </ul>	<ul style="list-style-type: none"> <li>▶ Mechanical, coded</li> <li>▶ Transponder technology</li> </ul>
<b>Manipulation protection</b>	Very high	Very high
<b>Safe position monitoring</b>	Yes	Yes
<b>Guard locking</b>	Process guard locking (magnetic interlock)	Safe guard locking up to <ul style="list-style-type: none"> <li>▶ PL e of EN ISO 13849-1</li> <li>▶ SIL CL 3 of EN/IEC 62061</li> </ul>
<b>Auxiliary/escape release</b>	No	Integrated
<b>Emergency stop pushbutton</b>	No	Integrated
<b>Illuminated button for request and reset</b>	No	2 or 2 + 2 additional pushbuttons
<b>Additional functions</b>	<ul style="list-style-type: none"> <li>▶ Series connection possible with PSENIini, PSENCcode, PSENSlock, PSENSgate</li> </ul>	<ul style="list-style-type: none"> <li>▶ Series connection possible with PSENIini, PSENCcode, PSENSlock, PSENSgate</li> <li>▶ Broken pin and broken bolt are safely detected</li> <li>▶ Closing lock (padlock on the bolt)</li> <li>▶ Enabling switch can be connected</li> </ul>

<sup>1)</sup> Limited suitability, without escape release

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on safety gate  
systems:

 Webcode 4901

Online information  
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## ► Safety gate systems PSENSlock



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PSEN sl-0.5p

PSEN sl-1.0p

### ... safe position monitoring with process guarding in one system

Safety gate systems PSENSlock provide secure safety gate monitoring with a non-contact magnetic interlock of 500 N or 1,000 N (BG GS-ET 19) within one system.

With this combination of safe position monitoring and process guarding, PSENSlock are designed for the highest category applications.

### Stringent protection of man and machine

PSENSlock are a safe alternative to existing mechanical technology. Highest possible manipulation protection and low wear and tear ensure a long service life and protect your investment.

Combined with Pilz control technology, you receive a safe, complete solution for guard monitoring.

### Save time and costs during commissioning

Thanks to its flexible connections, PSENSlock can be installed and commissioned quickly and easily. They are optimized for mounting on the popular 45 mm profiles.

You can also save time and costs through series connection, even with the very highest safety requirements.

### Type code for PSENSlock

## PSEN sl-1.0p 2.2

Product area Pilz SENSors	Magnetic powered	Connection	Coding
<b>Product range</b> sl – PSENSlock	0.5 500 N 1.0 1,000 N	n Connector, M12, 5-pin p Connector, M12, 8-pin	1.1 Coded 2.1 Fully coded 2.2 Unique, fully coded
<b>Operation</b> ► Non-contact, coded ► Transponder (RFID) ► With safe semiconductor outputs			