The new safety switch PSENcode – Compact and safe from manipulation

pilz

The new non-contact, coded safety switches PSEN cs3.1, PSEN cs4.1 and PSEN cs4.2 from Pilz expand the PSENcode product range, adding a new version which is significantly smaller – but offers the same high manipulation protection.

All the coded safety switch functions are incorporated within the smallest space – 37 mm x 26.4 mm x 18 mm – offering every benefit for a more flexible installation plus series connections with PSENslock, PSENsgate safety gate systems and other switches in the PSENcode product range. Combined with the control technology from Pilz, you receive a safe, complete solution for safety gate monitoring.

Your benefits at a glance

- Highest level of manipulation protection in the smallest space
- Connected via a plug connection or with cable
- Flexible cable outlet, including connector, so there's no need for an angled connector
- Flexible mounting, both the sensor and the actuator support every conceivable mounting configuration
- 10 mm operating distance
- For applications up to PL e in accordance with EN ISO 13849-1 or SIL 3 in accordance with EN/IEC 62061 as well as Cat. 4 in accordance with EN 954-1, even when connected in series with PSENslock, PSENsgate and PSENcode

PSENcode cable version available from May 2009
PSENcode connector version available from June 2009

the spirit of safety

Non-contact, coded safety switches PSENcode

PSEN cs3.1a

Technical features

Mode of operation	Transponder technology (non-magnetic action principle)
Type of coding	Coded, fully coded or uniquely coded
Typical operating distance	10 mm
Directions of actuation	1
Diagnostic interface	3 LEDs (status of actuator, status of inputs, supply voltage/error)
Series connection up to PL s, SIL 3, Cat. 4	In combination with PSENslock, PSENsgate and PSENcode
Connection type	Male M8 connector, 8 pin, 5 m cable
Outputs	2 safety outputs 1 signal output
Inputs	2 safety inputs for series connection

Safety switch dimensions in mm (H x W x D)

- 37 x 26.4 x 18

Actuator dimensions in mm (H x W x D)

- 37 x 18 x 18

Order numbers

5 m cable	
PSEN cs3.1a Coded	541 001
PSEN cs4.1a Fully coded	541 101
PSEN cs4.2a Uniquely coded	541 201
M8 connector, 8 pin	
PSEN cs3.1p Coded	541 000
PSEN cs4.1p Fully coded	541 100
PSEN cs4.2p Uniquely coded	541 200

Using the PSENcode to monitor a swing gate with large tolerances.

Webcode 0365

Online information at www.pilz.com

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