



## Safe motion – PMCprotego DS from the safety experts

**pilz**

As a supplier of safe automation, the focus at Pilz is on safety. We are transferring our expertise from the area of safety technology to drive technology. So the safety card PMCprotego S for the servo amplifier PMCprotego D provides the optimum, safe drive solution – Safe motion from Pilz. Numerous safety functions such as safe stop, safe motion or safe brake functions guarantee safe, economical operation at high level. At the same time, safe motion opens up new opportunities for co-operation between man and machine.

### Your benefits at a glance

- ▶ Highly dynamic, short reaction times
- ▶ Safety is independent of the encoder system
- ▶ Simple, fast commissioning
- ▶ Easy-to-use software tool
- ▶ Units are easy to exchange thanks to the MMC memory card (standard and safety configuration)
- ▶ Integrated PVIS diagnostics
- ▶ Reduced wiring
- ▶ Greater functionality and convenience, as internal system variables can be used
- ▶ Safety level simply requires a standard feedback system

Available from the 1<sup>st</sup> quarter of 2009

the spirit of safety

## Safety card PMCprotego S for servo amplifier PMCprotego D



PMCprotego S

### Technical features

#### Electrical data

- ▶ I/O supply voltage 24 VDC
- ▶ Tolerance range +/- 10 %
- ▶ Power consumption (with no load) ca. 3 W

#### Reaction times

- ▶ Input recognition time 4 ms
- ▶ Output response time 1 ms
- ▶ Reaction time (external error) 6 ms
- ▶ Reaction time (internal error) 2 ms

#### Inputs

- ▶ Number 8
- ▶ Voltage/current 24 VDC/6 mA
- ▶ Galvanic isolation Yes

#### Single-pole outputs

- ▶ Number 6
- ▶ Voltage/current 24 VDC/0.5 A
- ▶ Galvanic isolation Yes
- ▶ Short circuit protection Electronic

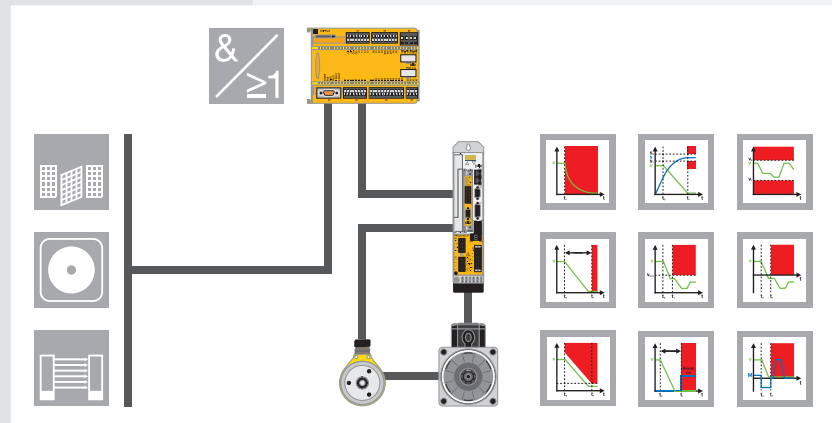
#### Dual-pole outputs

- ▶ Number 2
- ▶ Voltage/current 24 VDC/2 A
- ▶ Galvanic isolation Yes
- ▶ Short circuit protection Electronic
- ▶ Cat. 4 EN 954-1, SIL 3 of EN/IEC 62061, PL e of EN ISO 13849-1, STO

### Order number

- ▶ PMCprotego S 8176105

Further technical information  
in our leaflet Safe Motion –  
PMCprotego DS



Drive-integrated safety with PMCprotego DS – Logic and motion monitoring  
are separated.



Webcode

4549

Online information at [www.pilz.com](http://www.pilz.com)



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