

► Safe motion – new motion monitoring functions for drive-integrated safety!

NEW

The new safety card PMCprotego S3 expands the drive-integrated solution to include new motion monitoring functions in accordance with EN 61800-5-2: SDI-M, SLI-M, SLS-M, SOS-M, SLP-M, SSR-M, SRL and SSO. This allows the application-specific error response to be adapted so flexibly that the highest productivity of the plant is achieved in each case under the most varied safety requirements. Using safe and fast communication with real-time Ethernet SafetyNET p RTFL, the safe motion solution is directly connected to safe small controller PNOZmulti 2 and also enables safe cross-communication between the drives. Benefit from short response times and reduce the work and costs related to hardware by switching from I/O components to safe communication.

For fast commissioning, the engineering tool PASmotion offers not only parametrization of the safety card but also configuration of the servo amplifiers and motion controller in one tool.



Your benefits at a glance

- Higher productivity thanks to new motion monitoring safety functions with the flexibility to adjust the error reaction
- SafetyNET p RTFL enables short response times and reduces the wiring work
- Compact size thanks to drive-integrated solution
- Flexible configuration and fast commissioning thanks to the clear software tool
- Open drive solution independent of motor types and feedback systems
- Complete engineering and one-stop services: risk assessment, safe motion concept, hardware/software design, setting parameters, programming and commissioning



Safety card PMCprotego S3



PMCprotego S3



PASmotion



SDI-M



SLI-M



SLS-M



SOS-M



SLP-M



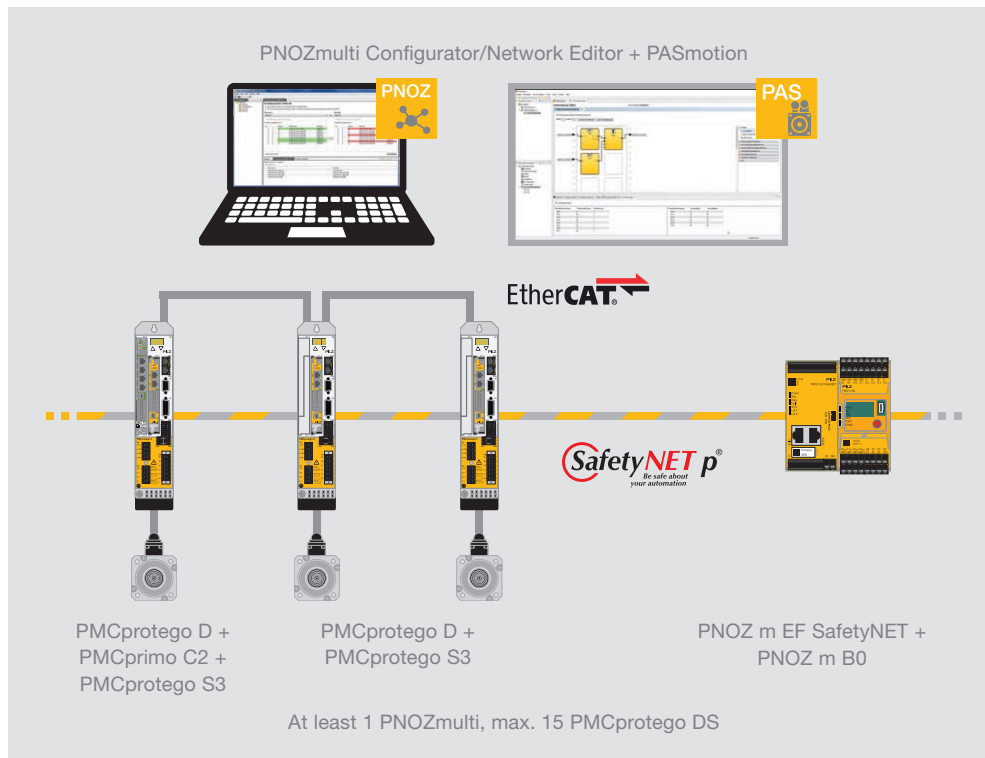
SSR-M

Technical features

- ▶ Safe motion monitoring functions (in acc. with EN 61800-5-2):
 - Safely monitored direction (SDI-M)
 - Safely monitored increment (SLI-M)
 - Safely monitored speed (SLS-M)
 - Safely monitored operation stop (SOS-M)
 - Safely monitored position (SLP-M)
 - Safely monitored speed range (SSR-M)
- ▶ Safety functions: STO, SS1, SS2, SOS, SLS, SSR, SDI, SLI, SBC, SBT, SLP
- ▶ Further functions:
 - Safe reset lock (SRL)
 - Safe status output (SSO)
- ▶ Safety level: up to SIL CL 3 (EN IEC 62061), PL e/Cat. 4 (EN ISO 13849-1)
- ▶ Configurable I/O: 8 FDI/6 FDO
- ▶ SafetyNET p RTFL: 2 x RJ45
- ▶ SafetyNET p inputs/outputs: 32 I/O
- ▶ Network devices: up to 16
- ▶ Data exchange (cross-communication): 3 connections
- ▶ Encoder interface: Mini I/O
- ▶ Encoder: Incremental TTL, absolute encoder SSI
- ▶ SBC: 2 dual-pole digital outputs (FDO)
- ▶ Configuration tool: PASmotion 1.4.0

Order number

▶ PMCprotego S3 680 010



SafetyNET p RTFL network: Safe motion PMCprotego DS and safe small controller PNOZmulti 2