



Safety with samos PRO

modular and powerful safety solutions

Highlights:

- samos PRO is a compact and fast modular safety control for the monitoring and control of mechanical and system engineering applications
- The system enables to implement complete and economic safety solutions which are more flexible than conventional relay technology
- Easy to use with graphical device configuration and a functional diagram editor with extensive certified function block library
- High comfort (diagnosis, simulation, operation mode)
- High safety combined with convincing cost efficiency
- The modular design also enables expansion at a later stage and therefore flexible planning with a reduced variety of module versions. Easier handling and logistics

Technical features:

- Certified to PLe/Kat.4 (ISO 13849-1) and SIL3 (IEC 62061)
- Up to 96 safe inputs, up to 48 safe outputs
- Fast shut-off function enables a reaction time of 8 ms
- Compact security solutions possible from an overall width of 45 mm
- Connection to a standard VIPA control via fieldbus gateways (PROFIBUS, PROFINET and CANopen, MODBUS/TCP and ETHERNET/IP)
- The use of Ethernet gateways allows online access including programming and remote maintenance
- Networking of up to 4 safety controls for comprehensive safety functions in modular system concepts

Art.-No.	Name	Description
R119000100	samosPRO SP-SCON-P1-K	samosPRO, controller module (without program memory)
R119000200	samosPRO SP-SCON-NET-P1-K	samosPRO, Controller-module (without memory plug) with EFI-Interface for samosNET
R119000300	samosPRO SP-SDIO84-P1-K-A	samosPRO, IO-module with 8 input/4 solid state output, screw clamp terminal pluggable
R119000400	samosPRO SP-SDIO84-P1-K-C	samosPRO, IO-module with 8 input/4 solid state output, spring clamp terminal pluggable
R119000500	samosPRO SP-SDI8-P1-K-A	samosPRO, IN-module with 8 input, screw clamp terminal pluggable
R119000600	samosPRO SP-SDI8-P1-K-C	samosPRO, IN-module with 8 input, spring clamp terminal pluggable
R119000800	samosPRO SP-MEMORY	samosPRO, program memory, pluggable
R119000900	samosPRO SP-CABLE1	samosPRO, cable, 2m, M8-DSUB
R119001000	samosPRO SP-PRO-STARTER-SET	samosPRO, Starter-Set (SP-SCON, SP-SDIO84, SP-PLAN, SP-MEMORY, SP-CABLE1, SP-CONVERTER)
R119001300	samosPRO SP-EN-MOD	samosPRO buscoupling modul for Modbus TCP
R119001400	samosPRO SP-EN-PN	samosPRO buscoupling modul for PROFINET IO
R119001500	samosPRO SP-EN-IP	samosPRO buscoupling modul for EtherNet/IP
R119002100	samosPRO SP-CANopen	samosPRO gateway for CANopen
R119001900	samosPRO SP-PROFIBUS-DP	samosPRO buscoupling modul for Profibus-DP
R119002500	samosPRO SP-CONVERTER	USB-RS232-Adapter
R119002600	samosPRO SP-FILTER1	samosPRO-Output-Filter, 680nF
R119002700	samosPRO SP-FILTER2	samosPRO-Output-Filter, 2,2uF
R118839300	safeRELAY SNO 4024K-A	Output expansion unit, 2x2 enabling current paths, 2x1 signalling outputs, DC 24 V, screw-terminals pluggable
R118839400	safeRELAY SNO 4024K-C	Output expansion unit, 2x2 enabling current paths, 2x1 signalling outputs, DC 24 V, cage clamp-terminals pluggable