



# Safety with samos PRO

modular and powerful safety solutions

## Highlights:

- samos PRO COMPACT - the safety control of the next generation - is a compact and fast modular safety micro-controller for the monitoring and control of mechanical and system engineering applications
- Integrated „know-how protection“
- Programmable with the NEW modern programming tool samosPLAN5+ incl. process simulation and logic analyzer
- The system enables the implementation of 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
- Very convenient (diagnosis, simulation, start up 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 in accordance with PLc/Kat.4 (ISO 13849-1) and SIL3 (IEC 62061)
- 16 safety inputs, 4 safety outputs and 4 switchable safety in-/outputs on a mounting width of 45mm, expandable up to 116 safety inputs and up to 56 safety outputs
- Compact safety solutions from a mounting width of 45 mm
- Minimum reaction time of 12ms
- Connection to a standard VIPA controller 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
- 4A wear and tear-free on each single output of the system
- 512MB changable and easily usable program memory SP-COP-CARD in SD card format
- Environmental temperature range of -25 °C up to +65 °C

Art.-No.	Name	Description
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
R119000900	samosPRO SP-CABLE1	samosPRO, cable, 2m, M8-DSUB
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
R119010000	samosPRO SP-COP-CARD	samosPRO-Memory card for SP-COP
R119011100	samosPRO SP-COP1-A	samosPRO compact module, 20 safe inputs, 4 safe outputs, USB interface, screw clamp terminal pluggable
R119011200	samosPRO SP-COP1-C	samosPRO compact module, 20 safe inputs, 4 safe outputs, USB interface, spring clamp terminal pluggable
R119012100	samosPRO SP-COP2-EN-A	samosPRO compact module, 16 safe inputs, 4 safe outputs, 4 configurable safe I/Os, USB + Ethernet interface, screw clamp terminal pluggable
R119012200	samosPRO SP-COP2-EN-C	samosPRO compact module, 16 safe inputs, 4 safe outputs, 4 configurable safe I/Os, USB + Ethernet interface, spring clamp terminal pluggable
R119013100	samosPRO SP-COP2-ENI-A	samosPRO compact module, 16 safe inputs, 4 safe outputs, 4 configurable safe I/Os, USB interface, Industrial Ethernet, screw clamp terminal pluggable
R119013200	samosPRO SP-COP2-ENI-C	samosPRO compact module, 16 safe inputs, 4 safe outputs, 4 configurable safe I/Os, USB interface, Industrial Ethernet, spring clamp terminal pluggable
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