

Kuhnke FIO Safety

Control Technology

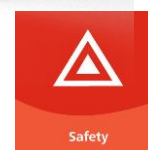
Kuhnke FIO Safety PLC EXT

Safety PLC with integrated EtherCAT-Out

Kuhnke FIO Safety PLC EXT is a module intended to be used in EtherCAT® networks with a head module. Acting as the FSoE master, it is able to address any FSoE slave including safety I/Os, motion controllers, valve islands and other FSoE equipment. The Safety PLC EXT meets the requirements of IEC 61508 SIL3 and DIN EN ISO 13849 PL_e. CODESYS version 3.5 SP16 or higher is used for programming. The CODESYS safety function modules have been certified previously, thus considerably reducing the efforts of developing, verifying and approving a safety application. The main controller's CODESYS environment and the EtherCAT link are used for programming.

Features

- The Safety PLC meets the requirements of IEC 61508 SIL3 and DIN EN ISO 13849 PL_e.
- CODESYS version 3.5 SP16 or higher is used for programming.
- SD-card for easy device exchange (service)
- Integrated floating point unit (FPU)
- The main controller's CODESYS environment and the EtherCAT link are used for programming the Safety PLC as well.



Technical Data	Kuhnke FIO Safety PLC EXT
Safety protocol	FSoE
Safety standard	IEC 61508 SIL3 and DIN EN ISO 13849-1 PL _e
Runtime system	CODESYS RT Safety
Programming tool	CODESYS V3.5 SP16 or higher with integrated safety function modules
Bus interface RJ 45	1 (Out)
E-bus load	260 mA
Power supply	Via E-Bus
Electrical interference	EN 61000-6-2/ EN 61000-6-4
Resistance to vibration	EN 60068-2-6
Resistance to shock	EN 60068-2-27
Fieldbus port	EtherCAT® 100 Mbps LVDS: E-bus
Installation / mounting pos.	35 mm DIN rail / horizontal
Signal indication	Status LEDs (EtherCAT, Safety, Power)
Shield	Provided directly by the module
Ambient conditions	0 °C ...+55 °C, IP 20
Housing	Plastic shroud over aluminium frame, 25 x 120 x 90 mm
Certifications	CE, cULus, TÜV Rheinland

We reserve the rights of modification, omission, error with respect to the products. Illustrations similar. All rights reserved by the individual copyright holders. EtherCAT® is registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany. Safety over EtherCAT® is registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany. Microsoft®, Windows® and the Windows® Logo are registered trademarks of Microsoft Corporation in the USA and other countries. At www.plcopen.org you will find more information about PLCopen Organisation. CODESYS is a product of 3S-Smart Software Solutions GmbH. CiA® and CANopen® are registered community trademarks of CAN in Automation e.V.