Control technology

Safety controller FS-PLC03

The safety controller FS-PLC03 with EtherCAT and FSoE-Protocol is one part of the safety system from ACD to belong to several SAFETY drives and custom specific SAFETY I/O.
The FS-PLC03 is specially designed for integration in an industrial environment and at the FS-System are two use cases possible:
- as stand-alone system with the safe local inputs and outputs or in the EtherCAT network,
- as EtherCAT-Slave with a configurable FS-PLC system, with the safe local inputs and outputs as well as a configurable FSoE-Master with up to 20 FSoE connections to FSoE-Slaves.

The programming can be do with function block diagram (FBD) according to EN 61131-3.

Technical Data

FS-PLC03

Conformity

Machinery Directive	2006/42/EC
EMC Directive	2014/30/EU

Safety related parameters

SIL 3 and Category 4, PL e
according to EN ISO 13849-1:2015

Rated data

Power Supply

SELV or PELV	24 V DC

Mounting

on control cabinet with IP54;
screw fastener on electrically conductive and earthing mounting plate

I/O-Interfaces

communication modules

EtherCAT, USB, SD-Card

SAFETY I/O (dual-channel)

	number
Digital 24V-SI-Inputs	8
Digital 24V-SI-Outputs	2
Encoder	1

Supported position encoders:
Resolver, sine/cosine encoder,
digital SAFETY encoder

Dimensions Safety controller FS-PLC03A00S00

Device	Weight [kg]	Height [mm]	Width [mm]	Depth [mm]
FS-PLC03A00S00	0,075	126	84	17

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