

## Control technology

### FS-I/O OCP2xxx

OCP2xxx stands for „Operator Control Panel of second generation“ and is a custom FS-I/O as FSoE-Slave.

The FS-I/O added the new safety drive systems from ACD with EtherCAT and FSoE-Protocol. On the FS-I/O can connected active and passive safety sensors as well as depending on the assembly variant one handwheel and one encoder.

The FS-I/O allows together with the safety control FS-PLC03 the selection of safety functions according to EN 61800-5-2 (STO, SS1, SS2, SOS, SLS, SDI, SBC) with Safety-over-EtherCAT and can be used as safety component according to Machinery Directive 2006/42/EC



## Technical Data

### FS-I/O OCP2xxx

#### Conformity (in preparation)

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

#### Safety related parameters

FS-I/O	Category 3, PL d according to EN ISO 13849-1:2015
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#### Rated data

##### Power Supply

SELV or PELV	24 V DC
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##### Supply of safety sensors

SELV or PELV	24 V DC
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##### Supply of safety actors

SELV or PELV	24 V DC
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### I/O-Interfaces

#### Communication modules

EtherCAT, USB, SD-Card

#### Safety-I/O (dual-channel)

	OCP 2000	OCP 2101
Digital 24V-SI-Inputs	12	16
Analog SI-Inputs (12 bits) (-10 V to + 10 V)	4	----
Digital 24V-SI-Outputs	8	----
Handwheel	1	1
Encoder	1	----

Supported position encoders:  
Resolver, Hiperface, sine/cosine encoder

#### Standard-I/O (single-channel)

Digital 24V-Inputs	----	8
Analog inputs (12 bits) (-10 V to + 10 V)	----	2
Digital 24V-Outputs	----	8

### Dimensions FS-I/O OCP2xxx

FS-I/O	Weight [kg]	Height [mm]	Width [mm]	Depth [mm]
OCP2xxx	0,28	160	120	21.3

