

## Drive controller ACxx325A00S00

The drive controller ACxx325A00S00 with integrated safety functions and EtherCAT is designed to connect to a DC-bus 325 V DC and can be used as a safety component according to Machinery Directive 2006/42/EC.

With the drive controller is the selection of safety function according to EN 61800-5-2 (STO, SS1, SS2, SOS, SLS, SDI, SMS, SBC with SBT) with Safety-over-EtherCAT possible.



### Technical Data

#### Drive controller ACxx325A00S00

##### Conformity

Machinery Directive	2006/42/EC
EMC Directive	2014/30/EU
LVD	2014/35/EU

##### Safety related parameters

STO, SS1, SS2, SOS, SLS, SDI, SMS, SBC	Category 3, PL d according to EN ISO 13849-1:2015
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#### Rated data

##### Power Supply

Input voltage from PSxx325A00S00	325 V DC
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##### Logic supply

PELV	24 V DC
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##### Output current

	Continuous output current	Peak current (t < 8 s)
AC04325A00S00	4 A	12 A
AC08325A00S00	8 A	24 A
AC12325A00S00	12 A	36 A

#### Motor control

##### Supported types of motors

Synchronous motors (PMSM), asynchronous motors (ASM); connection of holding brake possible

##### Supported position encoders

Resolver, Hiperface, sine/cosine encoder, EnDat 2.2, BiSS, Hiperface DSL, SCS open link, Magnescale; further encoder on request; with motor temperature monitoring

##### I/O-Interface

6 Digital 24V-Inputs  
1 Digital output (for brake with SBC)

##### Fieldbus interface

CoE (CANopen over EtherCAT)  
FoE (File Access over EtherCAT)  
Safety-over-EtherCAT

##### Engineering interface

USB-Interface      Micro-USB  
SD-Card              microSDHC

### Dimensions Drive controller ACxx325A00S00

Device	Weight [kg]	Height [mm]	Width [mm]	Depth [mm]
Drive controller AC04325A00S00	in preparation	295	50	185
Drive controller AC08325A00S00	in preparation			
Drive controller AC12325A00S00	in preparation			

