

## Drive system 325 V DC

The drive system 325 V DC consist one power supply module PSxx325 as well as the drive controllers ACxx325 with EtherCAT. The power supply module with active PFC is connected to a three-phase 400 V mains supply and supplies several drive controllers with the DC-bus voltage of 325 V DC.

With drive controllers 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 and the drive system can used as safety component according to Machinery Directive 2006/42/EC.



## Technical Data

### Drive system 325 V DC

#### Conformity

Machinery Directive	2006/42/EC
EMC Directive	2014/30/EU
LVD Directive	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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#### Mounting

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

#### Cooling

natural convection

### Power supply (PSxx325A00S00)

#### Mains Supply

Input voltage	3 x 400 V AC
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#### Logic supply

PELV	24 V DC
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#### DC-Output voltage (DC-bus)

Output voltage	325 V DC
Continuous output power	6 kW
Peak output power (t < 8 s)	12 kW

#### I/O-Interface

1 Digital 24V-Output for diagnosis

### Drive controller (ACxx325A00S00)

#### Power supply

Input voltage	325 V DC
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#### Logic supply

Input voltage	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
AC20325A00S00	20 A	60 A

#### 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** Power supply modul and drive controller 325 V DC

Device	Weight [kg]	Height [mm]	Width [mm]	Depth [mm]
Power supply PSxx325A00S00		in preparation		
Drive controller AC04325A00S00		in preparation		
Drive controller AC08325A00S00		in preparation		
Drive controller AC20325A00S00		in preparation		

The drawings to the dimensions and mounting are in preparation.

