

## Drive modul ACxx050A00S05

The drive modul is designed for a mains connection (SELV or PELV) in a range of 24 V to 48 V DC.

For the logic supply is a power supply (SELV or PELV) with 24 V DC necessary. The drive modul is designed to connect several types of electrical motors and several position encoders.

The motor control is with integrated safety function STO (Safe torque off) (**not for DC brush motors**).



### Technical Data

#### Drive modul (ACxx050A00S05)

##### Conformity

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

##### Safety related parameters

Application STO	SIL3 and Category 3, PL e
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##### Logic Supply

Input voltage	24 V DC (-15 % to +20 %) SELV or PELV
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##### Power

Input voltage	24 V to 48 V DC SELV or PELV (return voltage capability to 60 V DC)
Output current	5 A or 8 A (nominal) 10 A or 16 A (maximum)

#### Motor control

##### Supported types of motors

Servo motor, BLDC, DC brush motor  
2-phase stepper motor, 3-phase stepper motor,  
low-rating linear motors, LinMot

##### Supported position encoders

Resolver, Hiperface DSL, sine/cosine encoder,  
RS422 encoder, digital hall sensor, EnDat 2.2;  
LinMot und BiSS

##### I/O-Interface

1 24V-SI-Input (dual-channel) and  
STO-Diagnostic contact (single-channel)  
4 digital 24V-Inputs  
2 analog inputs (-10 V to +10 V (12 bits))  
1 analog output (-10 V to +10 V (12 bits))  
Motor holding brake Max. 500 mA

##### Fieldbus interface

CAN	CANopen DS301 with DSP402
EtherCAT	CoE FoE for Firmware-Update

##### Engineering interface

USB-Interface	Micro-USB
SD-Card	microSDHC

## Dimensions Drive modul

Drive modul	Weight [kg]	Height [mm]	Width [mm]	Depth [mm]
ACxx050A00S05	0.41	142	25.6	94.8

