

Drive controller ACxxA10S05.00

Area of application

The drive controller consists of integrated power supply and motor control with EtherCAT and is connected to a three-phase 400 V mains supply and can supply additional drive controllers via the intermediate circuit voltage of 560 V. With 24V-SI-Inputs of the option module SIK05 is the selection of safety function according to EN 61800-5-2 (STO, SS1, SS2, SOS, SLS, SDI, SMS) possible and the drive controller can be used as safety component according to Machinery Directive 2006/42/EC.

Technical Data

Conformity

Machinery Directive	2006/42/EC
EMV-Directive	2014/30/EU
LVD-Directive	2014/35/EU

Safety related parameters

STO, SS1, SS2, SOS, SLS, SDI, SMS Two-Hand Control	Category 3, PL d according to EN ISO 13849-1
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Power supply

Power supply, Input voltage	3 x 400 V AC
Logic Supply, Input voltage	2 Phasen 200 bis 480 V AC

Output current	Continuous Output Current	Peak output current (t < 8 s)
AC06A10S05.00	6 A	12 A
AC12A10S05.00	12 A	24 A
AC24A10S05.00	24 A	48 A
AC50A10S05.00	50 A	70 A

Mounting

On control cabinet with IP54;
screw fastener on cold plate

Supported types of motors

Synchronous motors (PMSM)
connection of holding brake not possible

Supported position encoders

Resolver; with motor temperature monitoring
Hiperface, sine/cosine encoder, EnDat 2.2,
Hiperface DSL with the option module ACSG05

I/O-Interface

1 digital 24V-input
2 analog inputs (12 bits)
4 slots for option modules

Option module SIK05

5 digital 24V-SI-inputs (dual-channel)
1 digital 24V-SI-in-/output (dual-channel)

Option module EAK05

12 digital 24V-inputs
8 digital 24V-outputs

Fieldbus interface

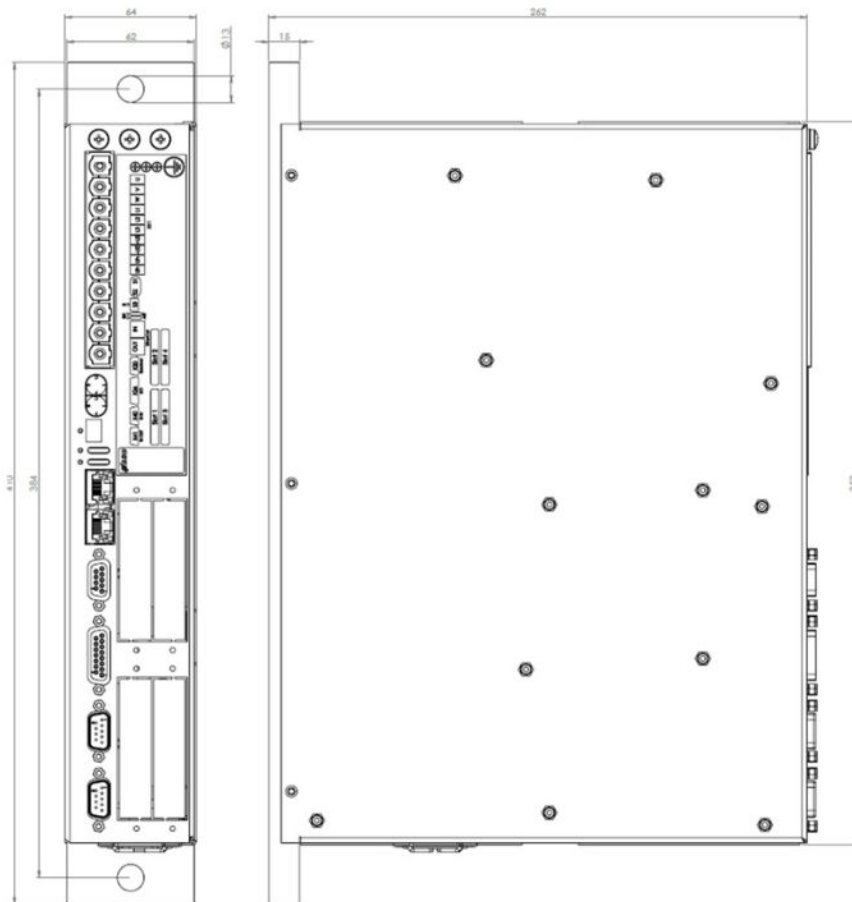
EtherCAT	CoE (CANopen over EtherCAT) FoE (File Access over EtherCAT) SoE (Servo Drive Profile over EtherCAT)
Sercos II	With option module ACSSC5
CAN	CANopen DS301 mit DSP402 with The option module CAN05

Service interface

USB-interface	Micro-USB
SD-card	microSDHC

Dimensions

Drive controller	Weight [kg]	Height [mm]	Width [mm]	Depth [mm]
AC06A10S05.00	4,1	410	64	262
AC12A10S05.00	4,5	410	64	262
AC24A10S05.00	6,6	410	102	262
AC50A10S05.00	7,1	410	102	262



Features

- Compact
- Integrated safety engineering
- EtherCAT SoE
- Cold plate cooling
- Fast assembly and wiring