

Drive controller ACxxA10S05.00

The drive controller consist of integrated power supply and motor control with EtherCAT and is connected to a three-phase 400 V mains supply. The DC-bus operation of several drive controllers is possible. 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) possible and the drive controller can used as safety component according to Machinery Directive 2006/42/EC.



Technical Data

Drive controller ACxxA10S05.00

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	Category 3, PL d according to EN ISO 13849-1
Two-Hand Control	

Rated data

Power supply

Input voltage	3 x 400 V AC
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Logic supply

Input voltage	2 phase 200 to 480 V AC
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Output current

	Continuous output current	Max. 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

Motor Control

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 ACFG05

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

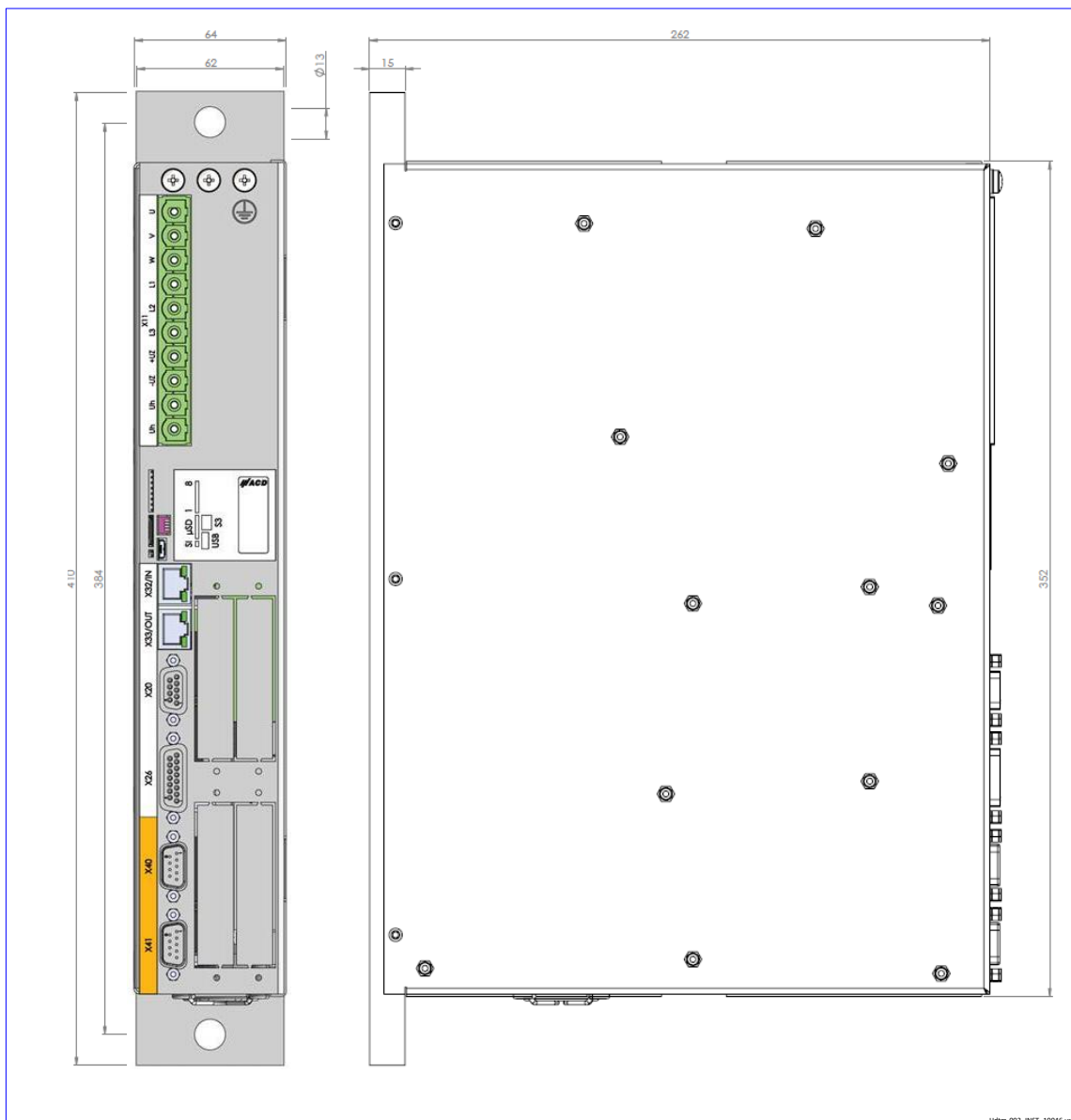
CAN CANopen DS301 mit DSP402) with the option module CAN05

Engineering interface

USB-Interface Micro-USB
SD-Card microSDHC

Dimensions Drive controller (ACxxA10S05.00)

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



Dimensions: AC06A10S05.00 und AC12A10S05.00