

Engineering data

Number of axes	1
Aux supply	24 ± 10% V DC (0.5A)*
Power supply	0-48 V DC
DC bus voltage	0-48 V DC
Input power (S1)	2.9 kVA
Rated output current	60 A (rms)
Peak current	125 A (rms)
Losses at rated load	30 W

* Without power supply for the servomotor holding brake and digital outputs.

Supported motor feedbacks* 2x

Hiperface DSL
EnDat 2.2
BiSS-C
SSI
Hall effect sensors (using digital inputs)
Resolver (1x only)

* Support depending on servoamplifier firmware

External encoder 1x

Incremental encoder input / emulation output*

* Support depending on servoamplifier firmware

Mechanical data

Weight	0.5 kg
Protection	IP20
Operating temperature	<-32; 40> °C

Inputs / outputs

Digital inputs	8x	24 V DC (0-10 V low, 12-24V high) 20mA
Digital outputs	6x	5-24 V DC 300mA / output
Analog inputs	2x	0-10V

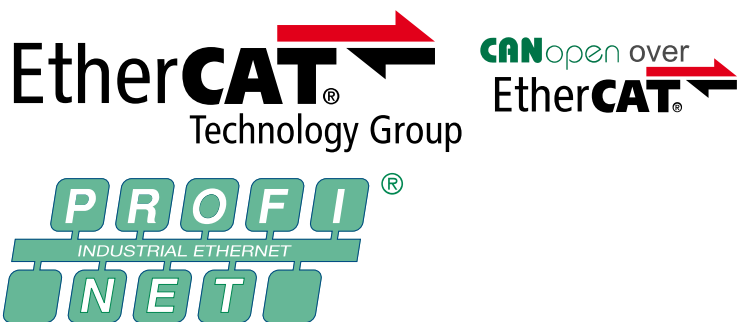
Functional safety

Safe torque off (STO) - 2 channels **SIL 3**

Supported communication*

1x Ethernet	EtherCAT
1x Ethernet	fast service protocol (FSP)
1x Ethernet	Modbus TCP / ProfiNET / service TCP or UDP
1x CAN	RAW CAN

* Support depending on servoamplifier firmware



Customs info

HS Code 85044087

Firmware feature support					
Feature	Firmware				
	Standard (EtherCAT)	PROFINET	PROFIsafe	CANopen over EtherCAT (CoE)	TGZ+Motion*
EtherCAT (slave)	✓			✓	
EtherCAT (master)					✓
PROFINET (device)		✓	✓		✓
PROFIdrive		✓	✓		
PROFIsafe (device)			✓		
CANopen (slave)				✓	
RAW CAN	✓	✓			✓
CANopen over EtherCAT				✓	
Modbus TCP (server)					✓
Interpreted PLC	✓	✓	✓	✓	
TGMotion realtime PLC					✓
External encoder input	✓	✓		✓	✓
External encoder output emulation		✓		✓	

Every motor feedback requires its own specific firmware version. Only one feedback type can be used at a time (for all axes).

*Servoamplifier has to be ordered as a TGZ+Motion variant, otherwise TGZ+Motion firmware can't be loaded.

Connectors & interfaces