

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)	4.8 kVA
Rated output current	100 A (rms)
Peak current	250 A (rms)
Losses at rated load	70 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)

* Support depending on servoamplifier firmware

External encoder 1x

Incremental encoder input / emulation output*

* Support depending on servoamplifier firmware

Mechanical data

Weight	3.25 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
Thermistor	1x Standard PT1000

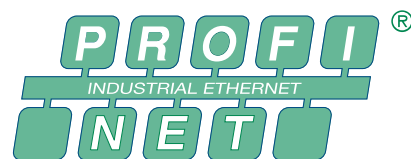
Functional safety

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	CoE	TGZ+Motion*
EtherCAT (slave)	✓		✓	
EtherCAT (master)				✓
ProfiNET (device)		✓		✓
Profidrive		✓		
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