

Engineering data

Number of axes	1
Aux supply	24 ± 10% V DC (1.0A)*
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)
 Resolver (1x only)

* Support depending on servoamplifier firmware

External encoder 1x

Incremental encoder input / emulation output*

* Support depending on servoamplifier firmware

Mechanical data

Weight	1.6 kg
Protection	IP20
Operating temperature	<-32; 40> °C

Inputs / outputs

Isolated digital inputs	8x	0-24 V DC (0-10 V low, 13-24V high) 20mA
Digital inputs	3x	0-30 V DC (0-0.8 V low, 2.4-30V high) 20mA
Isolated digital outputs	6x	5-24 V DC 300mA / output
Analog input	1x	0-10V
Thermistor	2x	Standard PT1000

Functional safety

Safe torque off (STO) - 2 channels	SIL 3
PROFIsafe* - telegrams	31, 36

* Support depending on servoamplifier firmware

Supported communication*

2x Ethernet	EtherCAT / PROFINET
1x Ethernet	service UDP
1x CAN	CANopen / RAW CAN

* Support depending on servoamplifier firmware

EtherCAT® Technology Group **CANopen over EtherCAT**®

CANopen

PROFI®
 INDUSTRIAL ETHERNET
NET

PROFIdrive

PROFIsafe

Customs info

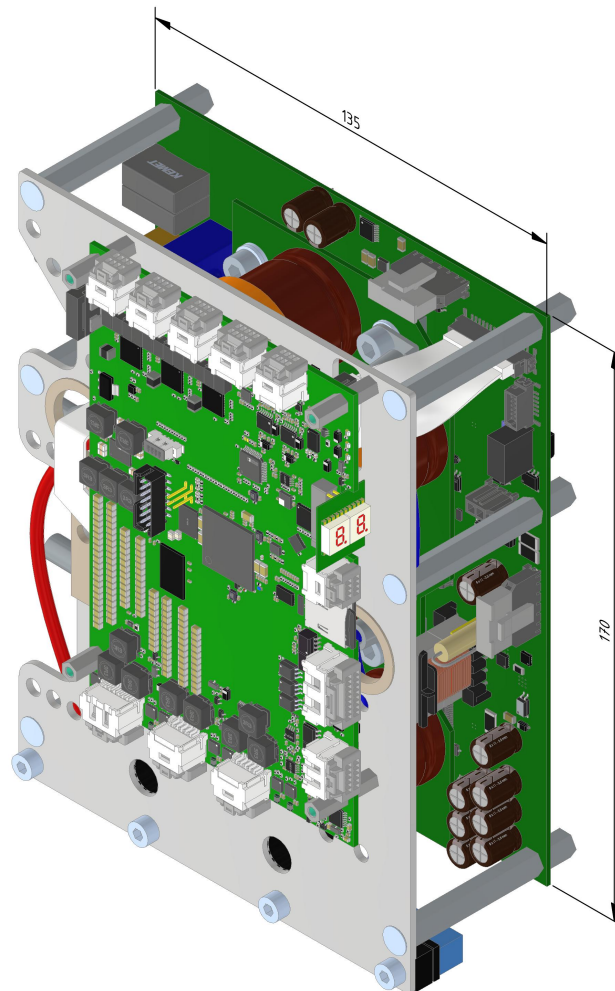
HS Code	85044087
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Firmware feature support					
Feature	Firmware				
	Standard (EtherCAT)	PROFINET	PROFIsafe	CANopen over EtherCAT (CoE)	TGZ+Motion*
EtherCAT (slave)	✓			✓	
EtherCAT (master)					✓
PROFINET (device)		✓	✓		✓
PROFIdrive		✓	✓		
PROFIsafe (device)			✓		
CANopen (slave)				✓	
RAW CAN	✓	✓			✓
CANopen over EtherCAT				✓	
Modbus TCP (server)					✓
Interpreted PLC	✓	✓	✓	✓	
TGMotion realtime PLC					✓
External encoder input	✓	✓		✓	✓
External encoder output emulation		✓		✓	

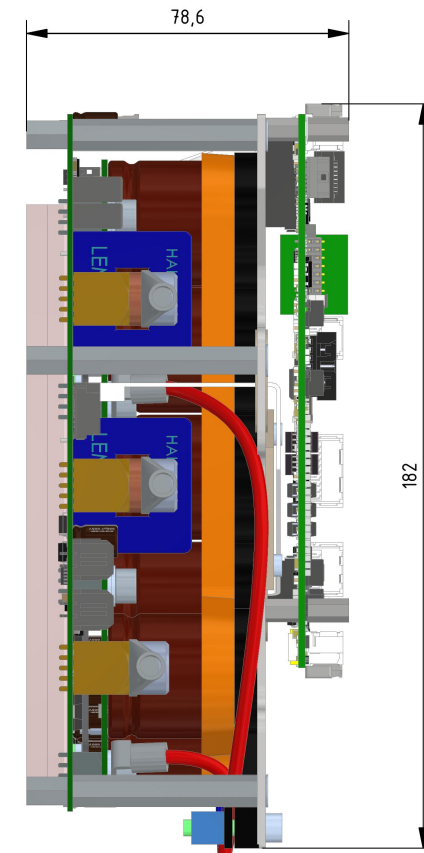
Every motor feedback requires its own specific firmware version. Only one feedback type can be used at a time (for all axes).

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

Dimensions



Dimensions with connectors



Connectors & interfaces

