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		
Mass	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*

Customs info	
HS Code	85044087

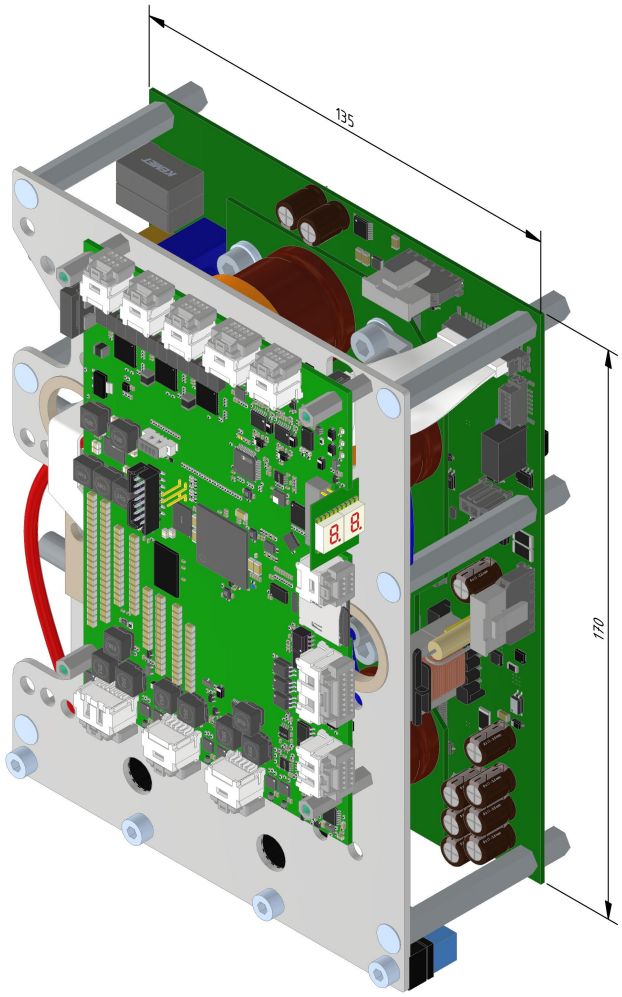
Generated 2026-11-18

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		✓		✓	

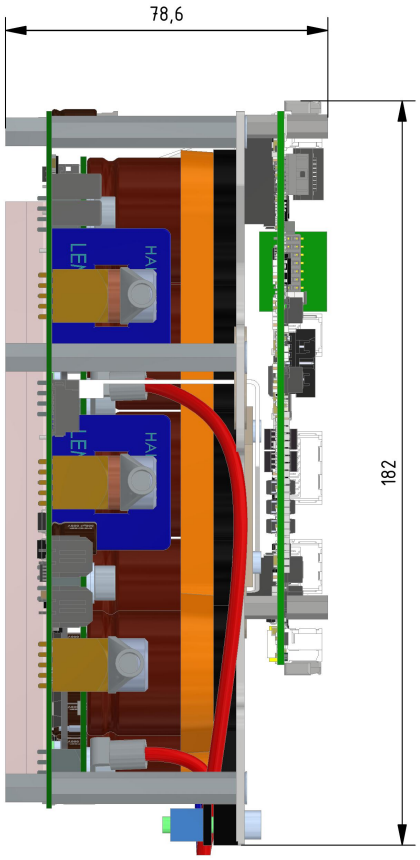
Every motor feedback requires its own specific firmware version. Only one feedback type can be used at a time (for all axes).

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

Dimensions



Dimensions with connectors



Connectors & interfaces

