| Engineering data | | |
|---|---|---|
| Number of axes | 1 | |
| Aux supply | 24 ± 10% | V DC (0.4A)* |
| Power supply | 0-48 | V DC |
| DC bus voltage | 0-48 | V DC |
| Input power (S1) | 2.4 | kVA |
| Rated output current | 50 | A (rms) |
| Peak current | 100 | 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) |

** Support depending on servoamplifier firmware*

| External encoder 1x |
|---|
| Incremental encoder input / emulation output* |

** Support depending on servoamplifier firmware*

| Mechanical data | | |
|---|---|---|
| Weight | 0.75 | 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* | |
|---|---|
| 1x Ethernet | service UDP |

** Support depending on servoamplifier firmware*

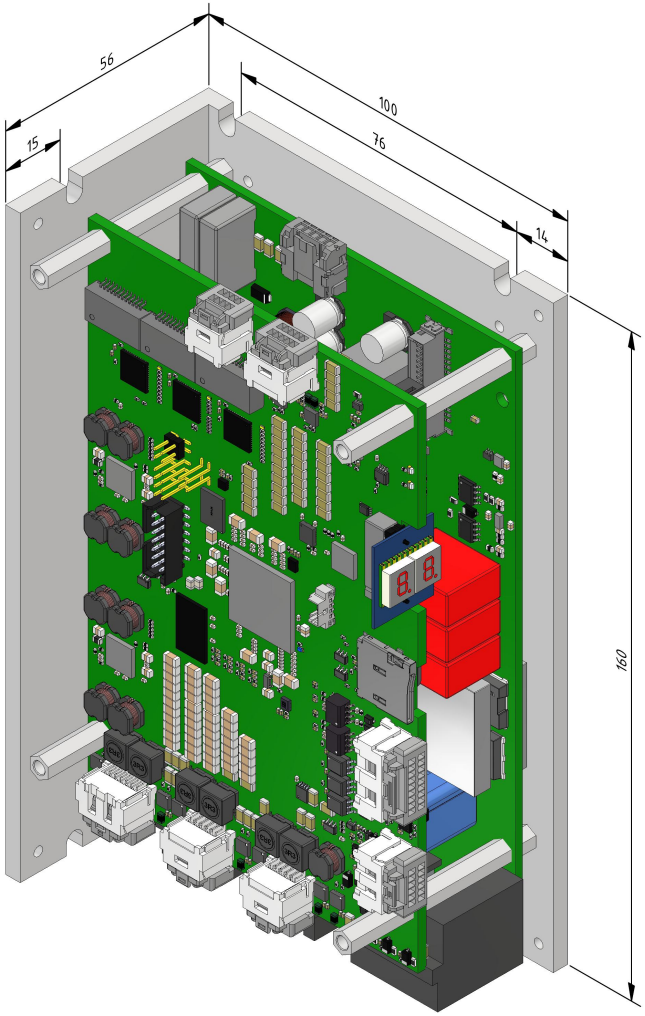
| Customs info | |
|---|---|
| HS Code | 85044087 |

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

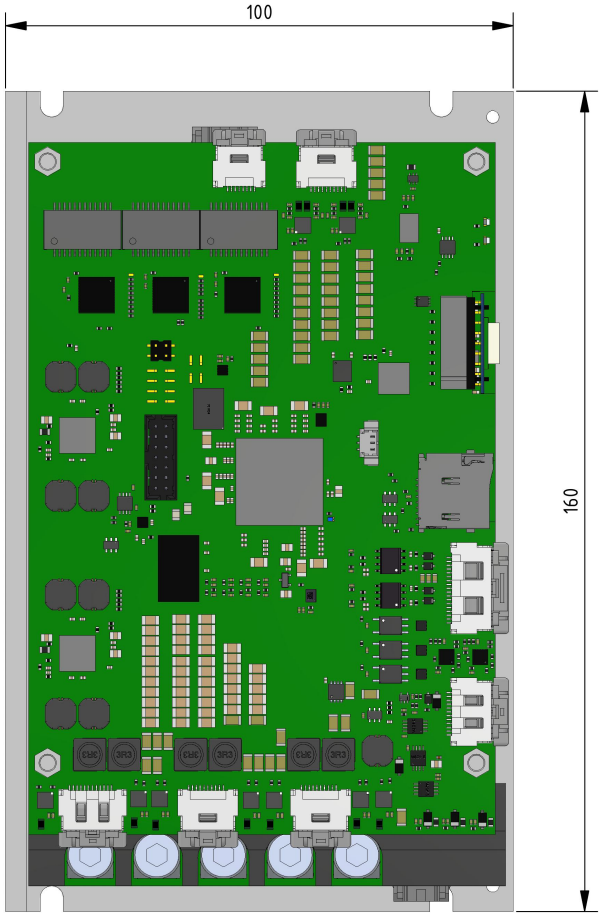
*Every motor feedback requires its own specific firmware version. Only one feedback type can be used at a time (for all axes).*

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

## Dimensions




## Dimensions with connectors



## Connectors & interfaces

