



Features

- Max. 20Mbps transfer rate
- 2-phase bi-polar current driving system
- Max. output current 2.0A
- 1/32 micro step
- Encoder feedback
- Easy installation for servo or stepping motor driver
- Dimensions: L-53 x W-21 x H-80mm

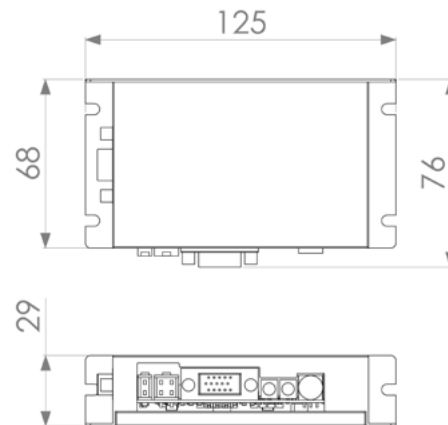
Specifications

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|----------------------------|--|
| Communication controller | Motionnet® slave motion controller ASIC |
| Serial interface | Half duplex RS-485 with transformer isolation |
| Cable type | CAT5 UTP/STP Ethernet cable |
| Surge protection | 10KV |
| Transmission speed | 2.5Mbps, 5Mbps, 10Mbps and 20Mbps |
| Multi axes drive | Max. 32 sets/ring |
| Incremental encoder input | ±EA, ±EB |
| Encoder index signal input | ±EZ |
| I/O input signal | PEL, MEL, ORG, SD and EMG |
| I/O output signal | CMP |
| Position control | Incremental mode / Absolute mode Data range: 28 bits |
| Homing mode | ORG, EZ, SD, Limit & totally 13 types |
| Software | Motion library (DLL) for Windows XP/XPe/7 |
| Input voltage | 18VDC to 36VDC |
| Drive model | 2-phase, bi-polar current driving system |
| Current consumption | 1.5W typical (60mA/24VDC) no load |
| Ambient temperature | In use: 0~50°C In storage: -20~70°C |
| Humidity | In use: 35~85% (Non-condensing) In storage: 10~90% (Non-condensing) |
| Vib. resist | 0.5G |
| Current setting | Selected using a variable resistor (0.2 to 2A/phase) |
| Micro step | 1, 1/4, 1/16, 1/32, selected using 2 switch |
| LED display | EL+, EL-, ORG, EMG, SD, FAULT, PWR |
| Protection functions | Connect to current sense resistor for bridge A.B = 2A |
| Communication interface | Motionnet® |
| Decay mode | Mixed, Fast, Slow |

Ordering Information

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|----------------------------------|---|
| STP-M111A | Motionnet® 2-phase microstep driver w. encoder |
| STP-M111B | Motionnet® 2-phase microstep driver wo. encoder |
| SCB-1BB-06A/10A /20A/30A/50A/A0A | CAT5 LAN cable, 0.6M/1M/2M/3M/5M/10M |

Dimensions and Drawing



Unit:mm