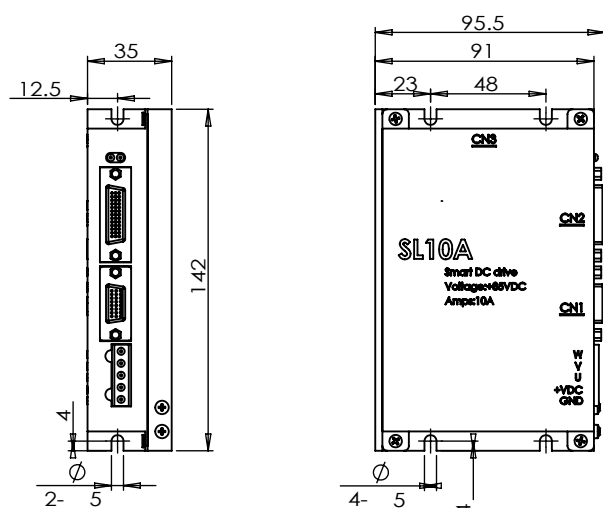


>> LOW VOLTAGE DC BRUSHLESS DIGITAL DRIVERS

Main Features:

- Dual 32 bit DSP design, Embedded Motion controller with servo drive
- Multi functionality: Torque mode, Speed mode, Position mode, Smart Point to Point
- 100us sampling rate & calculation loop
- 1 Mbit/sec, High speed pulse command input (A/B phase, CW/CCW, CK/DIR)
- 8 pre fixed digital input
- Simulation encoder Output: adjustable
- 4 digital output (S ready, S alarm, Pos complete, Arrester release)
- Analog input 2ch, 16 bit resolution
- RS 232, 9600 – 115000 Kbs – RS 485 MOD BUS
- Position control mode, 16 length position data selectable
- Sinusoidal acceleration and deceleration velocity profile
- Monitor software
- CAN Open option available

Outline Dimension Drawings (Unit: mm)

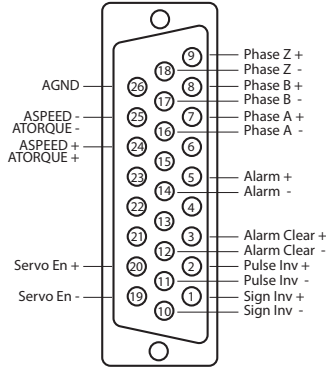
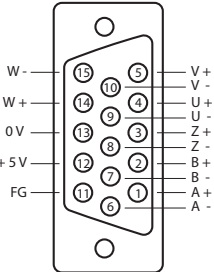
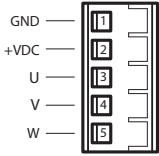


Technical Specification

Input power supply		48~80VDC
Operation environment	Ambient temperature	Operation: 0~40°C Storage: -40°C~50°C
	Ambient humidity	40%~80%(non-condensing)
	Atmospheric pressure	86~106kPa
Control mode		① Position ② Speed ③ Torque
Features	Speed frequency response	Operation: 0~40°C Storage: -40°C~50°C
	Speed fluctuation ratio	40%~80%(non-condensing)
	Speed ratio	86~106kPa
	Pulse frequency	≤500kHz
Input signals		① Servo enable ② Alarm clear
Output signals		① Alarm output ② Positioning completed / speed reached
Position control mode		① Pulse + Direction ② CCW pulse / CW pulse ③ A phase and B phase Electronic gear 1~32767/1~32767 Feedback pulse 2500 C/T
Speed control mode		Four kinds of internal speed
Acceleration and deceleration function		Parameter setting :1~10000ms or 1~1000r/min
Monitoring function		Speed, current position, accumulation of command pulse, position deviation, motor torque, motor current, linear speed, rotor absolute position, command pulse frequency, operation state, I/O terminal signals, etc.
Protective functions		Overspeed, overvoltage, undervoltage, over current, Motor overheated , overload, Brake error, encoder error, control power error, location tolerance, etc.
Applicable load inertia		Less than five times of motor inertia

SIGNAL AND POWER CONNECTIONS

Main Power Terminal Encoder Signal Input Terminal CN1 Control Signal I/O Terminals CN2



COM Port CN3

RS-232
3: RXD
5: TXD
1: GND



RS-485
8: Data +
7: Data -
1: GND



NAMEPLATE

CAUTION Do not inspect components unless the lamp is off. See manual for proper installation and operation.	
Model	SL10A
INPUT VOLTAGE	DC Power 48~80 V
OUTPUT VOLTAGE	3 phases 0~80 V
Amps	10A
S/N	0510 0001

← **Model**
← **Input Power**
← **Nominal Output**
← **Serial Number**

MODEL DESIGNATION

S	L	10	A	XX
(1)	(2)	(3)	(4)	(5)

- (1) Product type: S- Series DC servo drive;
- (2) Power supply: 48~80 VDC
- (3) Nominal current: 10A
- (4) Type code;
- (5) Software customized logo.

SOFTWARE MOTION VIEW

