

## servSD ready-to-connect low voltage servo drive

The servSD is a ready-to-connect low voltage servo drive with an output current of up to 30A. Its small footprint enables space-saving and near-motor mounting, fitting easily within the tight space constraints of applications such as electronics assembly, medical devices, and AGVs/AMRs.

### Connectivity to plc or modular safety controller

STO according to STO SIL3/PL e can be connected to a master motion PLC controller or to a modular safety controller. Two motor encoder signals A quad B RS422 can be daisy chained to the modular safety controller for Safe Motion monitoring, minimizing design complexity.

### Master/slave communication

servSD to servSD real-time data exchange allows higher levels of axis synchronization and safer modes of operation.

### Application examples

ServSD is suited to stationary and mobile low voltage applications in the following industries:

- Intralogistics incl. AGV, AMR
- Medical Equipment
- Laboratory Automation
- Printing Machines
- Electronic Assembly & Semiconductor Equipment

### Supporting multiple types of motor feedback

servSD supports common motor feedback types incl. SSI, incremental and BiSS. With STO functional safety the servSD meets the full range of resolution and safe operation requirements from basic to highly dynamic applications.

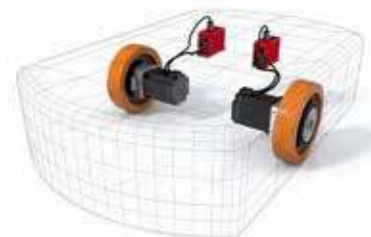
### Simple commissioning Motor Controller GUI with comprehensive parameterization options

Step-by-step guidance through the motor setup, application configuration and tuning process.



### Key benefits

- High power density in a small footprint
- Ready-to-connect. No need for pin soldering or cable adaptors
- STO functional safety (SIL 3/PL e)
- Supports multiple types of motor feedback (SSI, incremental, BiSS)
- Meets the full range of resolution and safe operation requirements
- Near-motor mounting for tight space constraints applications
- Simple commissioning GUI with comprehensive parameterization options



### Related products



softMC  
Multi-Axis Motion  
Controller



mobiGM  
Gearmotors

Model	Input bus (VDC)	Input logic (VDC)	Cont. current (Arms)	Peak current (Arms)	Width (mm)	Height (mm)	Depth (mm)
SD01-030	24	24	30	100	106	40	73.6
SD01-025	48	24	25	80	106	40	73.6

**Communications:**

CANopen  
RS232

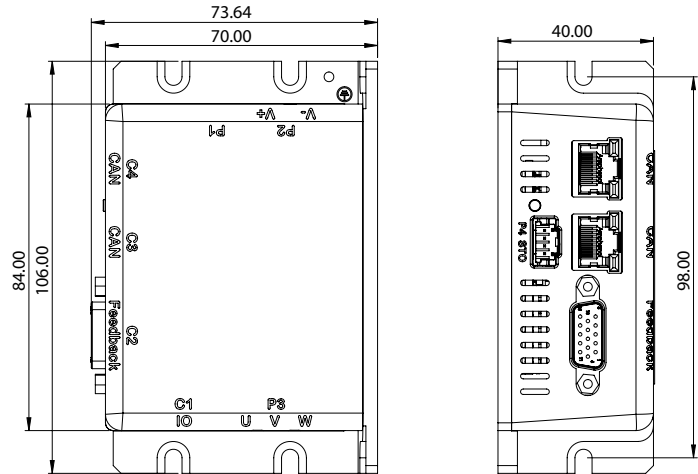
**Motor Feedback:**

Incremental Encoder  
Hall Sensors  
SSI Encoder

**Digital I/Os:\***

4 x Input  
2 x Output  
(\*Upcoming)

**Mechanical Dimensions:**



**Ordering Information**

	SD01	-	030	1D	AB	CA	-	000
servSD SD01 Single-Axis Servo Drive								
<b>Rating – Cont. Current, Peak Current</b>								
025	25, 80 Cont, Peak Arms @ 48VDC 45°C							
030	30, 100 Cont, Peak Arms @ 24VDC 45°C							
xxx	Custom							
<b>Power</b>								
1D	Bus 20-60 VDC, Logic 24 VDC optional							
xx	Custom							
<b>Feedback</b>								
AB	Incremental AB quadrature, index, Halls, 12 bit RS422							
AS	Incremental AB quadrature, Halls, 12 bit RS422 and SSI (upcoming)							
xx	Custom							
<b>Communication</b>								
CA	CANopen							
xx	Custom							
<b>Options</b>								
000	Standard							
00M	Mating connector (P1, P2, P3, P4, C1)							
xxx	Custom							



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