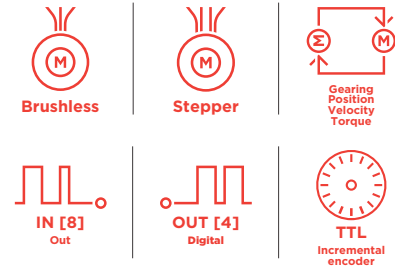
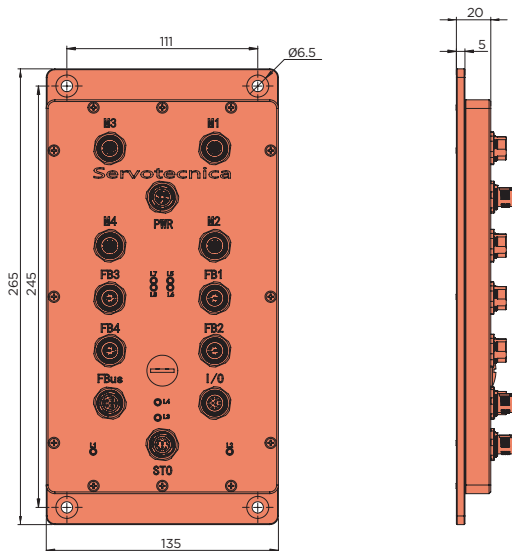


SVTE-4AX-CANopen 4 Axes Servo Drives

48VDC | 5A/Axis
BLDC motors, Brushless motors,
Stepper Motors, Linear Motors



CANopen

Values	Unit
Power	
1 Electronic supply voltage Ue	VDC 19..30
2 Power supply voltage Up	VDC 19..60
3 Max. output current	A 10A/axis
4 Continuous output current @ Up=48VDC	A 10A/axis
5 Output voltage	up to 96%
Motor types	
6 Brushless	yes
7 DC motors	no
8 BLDC motors	yes
9 Stepper motors	yes
Mechanical	
10 Size LxWxH	mm 265x135x20
Communication CAN bus	
11 Protocol	DS301
12 Device profile	DS402
13 Galvanically isolated	yes
Incremental encoder	
14 Input voltage	VDC 0..5
15 Signal type	differential, single ended
Digital input	
16 Number	8 (Din0..7)
Digital output	
17 Number	4 (Dout0..3)
18 Continuous output current	A 0.5 (Load: resistive, inductive)
Environment	
19 Operating temperature	°C 0..50°C

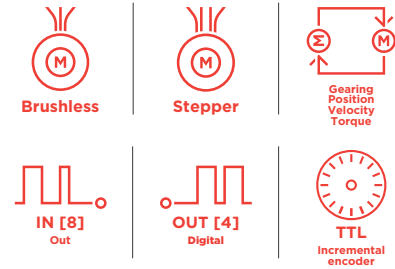
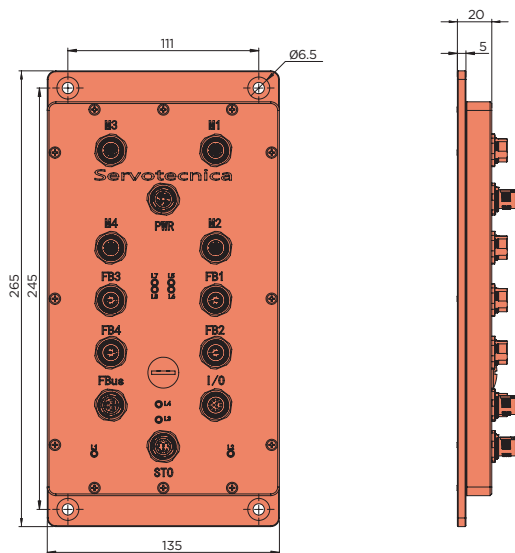
Connection

M1..M4	BLDC/Brushless	Stepper
1	Temp.Sensor PT1000	Temp.Sensor PT1000
2	Temp.Sensor PT1000	Temp.Sensor PT1000
3	Bk+ Brake +	Bk+ Brake +
4	Bk- Brake -	Bk- Brake -
5	Mb Motor phase B	Mc Motor phase C
6	N.C. Non Connected	Md Motor phase D
7	Ma Motor phase A	Ma Motor phase A
8	Mc Motor phase C	Mb Motor phase B
FB1..FB4	Feedback	
1	+U5V 5V output voltage for sensor supply	
2	A Inc. encoder, A channel	
3	/A Inc. encoder, A channel inverted	
4	B Inc. encoder, B channel	
5	/B Inc. encoder, B channel inverted	
6	Inx Inc. encoder, index channel	
7	/Inx Inc. encoder, index channel inverted	
8	GND Ground for sensor supplychannel inverted	
STO	Logic power supply / STO	
1	+Ue24V Electronic supply voltage	
2	GND Ground for electronic supply voltage	
3	N.C. Non Connected	
4	FE Functional earth	
5	STO1 Safety Torque Off 2 +24Vdc	
6	STO2 Safety Torque Off 1 +24Vdc	
7	STO Com Safety Torque Com	
8	STO Out Safety Torque Off Output	
Fbus	CanBus	
1	CAN Lo CAN Low	
2	N.C. Non Connected	
3	CAN GND CAN Ground	
4	CAN Hi CAN High	
5	CAN GND CAN Ground	
I/O	Digital I/O	
1	Din5 Digital Input 5	
2	Din3 Digital Input 3	
3	Din2 Digital Input 2	
4	Din0 Digital Input 0	
5	Dout0 Digital Output 0	
6	Dout1 Digital Output 1	
7	Dout2 Digital Output 2	
8	Dout3 Digital Output 3	
9	Din6 Digital Input 6	
10	Din4 Digital Input 4	
11	Din1 Digital Input 1	
12	Din8 Digital Input 8	
PWR	Power supply	
1	+Up Power supply voltage	
2	+Up Power supply voltage	
3	GND Ground for power supply voltage	
4	GND Ground for power supply voltage	

SVTE-4AX-IOlink

4 Axes Servo Drives

48VDC | 5A/Axis
 BLDC motors, Brushless motors,
 Stepper Motors, Linear Motors



Values	Unit
Power	
1 Electronic supply voltage Ue	VDC 19..30
2 Power supply voltage Up	VDC 19..60
3 Max. output current	A 10A/axis
4 Continuous output current @ Up=48VDC	A 10A/axis
5 Output voltage	up to 96%
Motor types	
6 Brushless	yes
7 DC motors	no
8 BLDC motors	yes
9 Stepper motors	yes
Mechanical	
10 Size LxWxH	mm 265x135x20
Communication IO-Link	
11 Protocol	IO-Link
12 Galvanically isolated	yes
Incremental encoder	
13 Input voltage	VDC 0..5
14 Signal type	differential, single ended
Digital input	
15 Number	8 (Din0..7)
Digital output	
16 Number	4 (Dout0..3)
17 Continuous output current	A 0.5 (Load: resistive, inductive)
Environment	
18 Operating temperature	°C 0..50°C

Connection

M1..M4	BLDC/Brushless	Stepper
1	Temp.Sensor PT1000	Temp.Sensor PT1000
2	Temp.Sensor PT1000	Temp.Sensor PT1000
3	Bk+ Brake +	Bk+ Brake +
4	Bk- Brake -	Bk- Brake -
5	Mb Motor phase B	Mc Motor phase C
6	N.C. Non Connected	Md Motor phase D
7	Ma Motor phase A	Ma Motor phase A
8	Mc Motor phase C	Mb Motor phase B
FB1..FB4	Feedback	
1	+U5V 5V output voltage for sensor supply	
2	A Inc. encoder, A channel	
3	/A Inc. encoder, A channel inverted	
4	B Inc. encoder, B channel	
5	/B Inc. encoder, B channel inverted	
6	Inx Inc. encoder, index channel	
7	/Inx Inc. encoder, index channel inverted	
8	GND Ground for sensor supplychannel inverted	
STO	Logic power supply / STO	
1	+Ue24V Electronic supply voltage	
2	GND Ground for electronic supply voltage	
3	N.C. Non Connected	
4	FE Functional earth	
5	STO1 Safety Torque Off 2 +24Vdc	
6	STO2 Safety Torque Off 1 +24Vdc	
7	STO Com Safety Torque Com	
8	STO Out Safety Torque Off Output	
Fbus	IO-Link	
1	Vplus Vplus	
2	N.C. Non Connected	
3	N.C. Non Connected	
4	CQ CQ	
5	N.C. Non Connected	
I/O	Digital I/O	
1	Din5 Digital Input 5	
2	Din3 Digital Input 3	
3	Din2 Digital Input 2	
4	Din0 Digital Input 0	
5	Dout0 Digital Output 0	
6	Dout1 Digital Output 1	
7	Dout2 Digital Output 2	
8	Dout3 Digital Output 3	
9	Din6 Digital Input 6	
10	Din4 Digital Input 4	
11	Din1 Digital Input 1	
12	Din8 Digital Input 8	
PWR	Power supply	
1	+Up Power supply voltage	
2	+Up Power supply voltage	
3	GND Ground for power supply voltage	
4	GND Ground for power supply voltage	