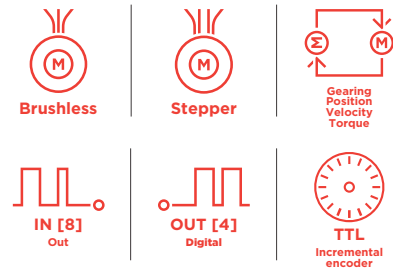
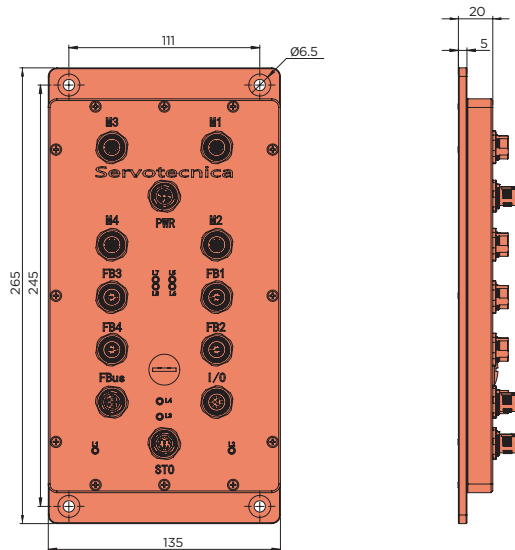


SVTE-4AX-CANopen 4 Axes Servo Drives

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



CANopen

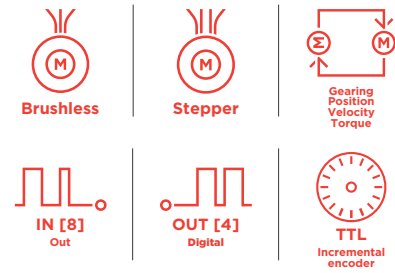
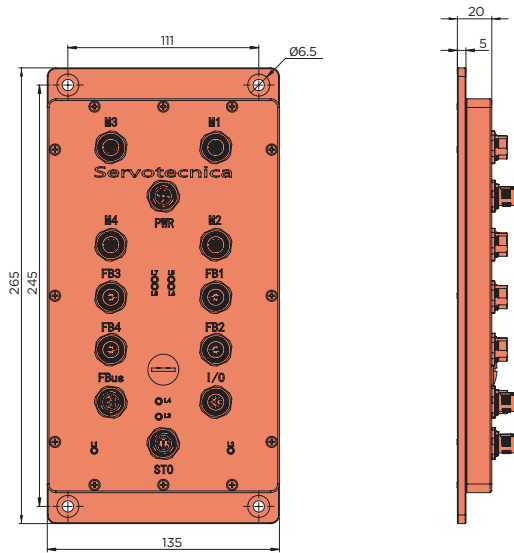
Values	Unit
Power	
1 Electronic supply voltage U_e	VDC 19..30
2 Power supply voltage U_p	VDC 19..60
3 Max. output current	A 10A/axis
4 Continuous output current @ $U_p=48VDC$	A 5A/axis
5 Output voltage	up to 96%
Motor types	
6 Brushless	yes
7 DC motors	no
8 BLDC motors	yes
9 Stepper motors	yes
Mechanical	
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 U_e	VDC 19..30
2 Power supply voltage U_p	VDC 19..60
3 Max. output current	A 10A/axis
4 Continuous output current @ $U_p=48VDC$	A 5A/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
2	Temp.Sensor	PT1000	Temp.Sensor
3	Bk+	Brake +	Bk+
4	Bk-	Brake -	Bk-
5	Mb	Motor phase B	Motor phase C
6	N.C.	Non Connected	Motor phase D
7	Ma	Motor phase A	Motor phase A
8	Mc	Motor phase C	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	