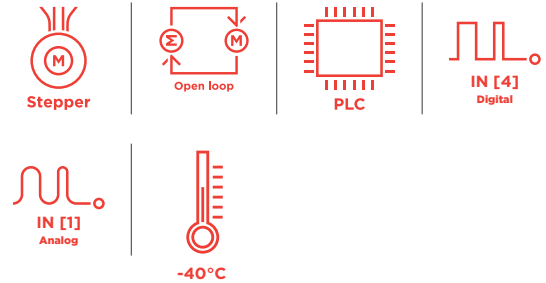
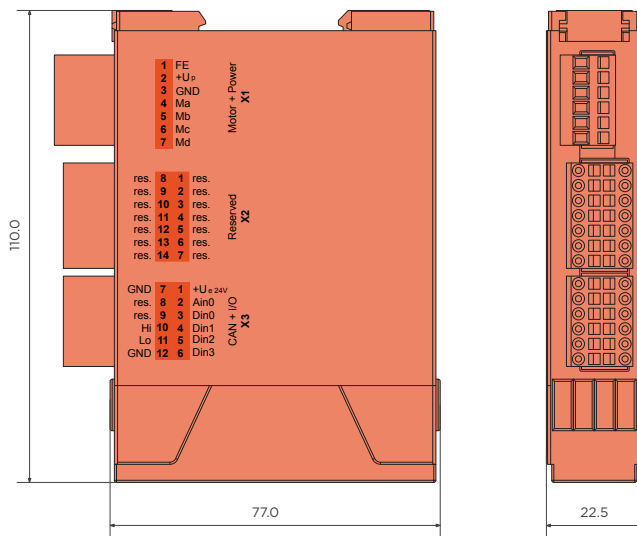


SVTE-A-S40-CanOpen Stepper Drives

60VDC | 7A
Stepper motors



CANopen

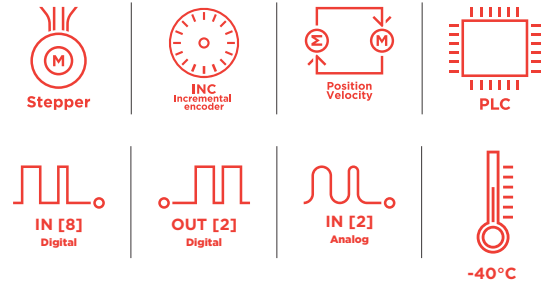
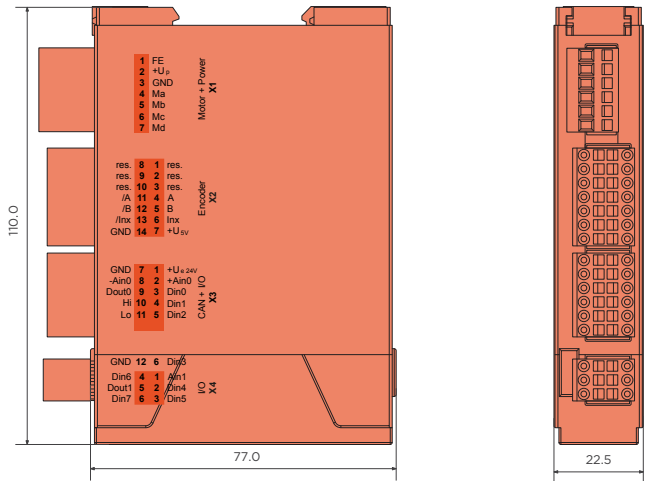
Values	Unit
Power	
1 Electronic supply voltage U _e	VDC 9..30
2 Power supply voltage U _p	VDC 9..60
3 Max. output current	A 20
4 Continuous output current @ U _p =24VDC	A 7
5 Continuous output current @ U _p =48VDC	A 6
6 Output voltage	Up to 85%
Motor types	
7 DC motors	no
8 BLDC motors	no
9 Stepper motors	yes
Mechanical	
10 Size LxWxH	mm 110 x 22.5 x 77
CAN bus	
11 Protocol	DS301
12 Device profile	DS402
13 Galvanically isolated	no
Digital input	
14 Number	4 (Din0..3)
Analog inputs	
15 Number	1 (Ain0)
16 Signal type	0..10 VDC, 12 Bit, single ended
Environment	
17 Operating temperature	°C -40...+70

Connection

X1 Motor		
1	FE	Functional earth
2	+Up	Power supply voltage
3	GND	Ground for sensor supply
4	Ma	Motor phase A
5	Mb	Motor phase B
6	Mc	Motor phase C
7	Md	Motor phase D
X2 Reserved		
1	res.	Reserved
2	res.	Reserved
3	res.	Reserved
4	res.	Reserved
5	res.	Reserved
6	res.	Reserved
7	+U5V	5V output voltage for sensor supply (auxiliary voltage)
8	res.	Reserved
9	res.	Reserved
10	res.	Reserved
11	res.	Reserved
12	res.	Reserved
13	res.	Reserved
14	GND	Ground for sensor supply (don't connect with system GND)
X3 I/O's and CAN		
1	+Ue24V	Electronic supply voltage
2	Ain0	Analog input 0
3	Din0	Digital input 0
4	Din1	Digital input 1
5	Din2	Digital input 2
6	Din3	Digital input 3
7	GND	Ground for electronic supply voltage
8	res.	Reserved
9	res.	Reserved
10	CAN Hi	CAN High
11	CAN Lo	CAN Low
12	CAN GND	CAN Ground

SVTE-A-S45-CanOpen Stepper Drives

60VDC | 7A
Stepper motors



CANopen

Values	Unit
Power	
1 Electronic supply voltage U _e	VDC 9..30
2 Power supply voltage U _p	VDC 9..60
3 Max. output current	A 20
4 Continuous output current @ U _p =24VDC	A 7
5 Continuous output current @ U _p =48VDC	A 6
6 Output voltage	Up to 85%
Motor types	
7 DC motors	no
8 BLDC motors	no
9 Stepper motors	yes
Mechanical	
10 Size LxWxH	mm 110 x 22.5 x 77
CAN bus	
11 Protocol	DS301
12 Device profile	DS402
13 Galvanically isolated	no
Incremental encoder	
14 Input voltage (24VDC tolerant)	VDC 0..5
15 Signal type	open collector, single ended, differential
Digital input	
16 Number	8 (Din0..7)
Digital output	
17 Number	2 (Dout0..Dout1)
18 Continuous output current	A 1.5 (Load: resistive, inductive)
Analog inputs	
19 Number	2 (Ain0..1)
20 Signal type - Ain0	+/- 10 VDC, 12 Bit, differential
21 Signal type - Ain1	+/- 10 VDC, 12 Bit, single ended
Environment	
22 Operating temperature	°C -40...+70

Connection

X1 Motor		
1	FE	Functional earth
2	+Up	Power supply voltage
3	GND	Ground for sensor supply
4	Ma	Motor phase A
5	Mb	Motor phase B
6	Mc	Motor phase C
7	Md	Motor phase D
X2 Inc. encoder		
1	res.	Reserved
2	res.	Reserved
3	res.	Reserved
4	A	Inc. encoder, A channel
5	B	Inc. encoder, B channel
6	Inx	Inc. encoder, index channel
7	+U5V	5V output voltage for sensor supply: encoder
8	res.	Reserved
9	res.	Reserved
10	res.	Reserved
11	/A	Inc. encoder, A channel inverted
12	/B	Inc. encoder, B channel inverted
13	/Inx	Inc. encoder, index channel inverted
14	GND	Ground for sensor supply (don't connect with system GND)
X3 I/O's and CAN		
1	+Ue24V	Electronic supply voltage
2	+Ain0	Analog input 0, positive
3	Din0	Digital input 0
4	Din1	Digital input 1
5	Din2	Digital input 2
6	Din3	Digital input 3
7	GND	Ground for electronic supply voltage
8	-Ain0	Analog input 0, negative
9	Dout0	Digital output 0
10	CAN Hi	CAN High
11	CAN Lo	CAN Low
12	CAN GND	CAN Ground
X4 I/O's		
1	Ain1	Analog input 1
2	Din4	Digital input 4
3	Din5	Digital input 5
4	Din6	Digital output 6
5	Dout1	Digital output 1
6	Din7	Digital input 7