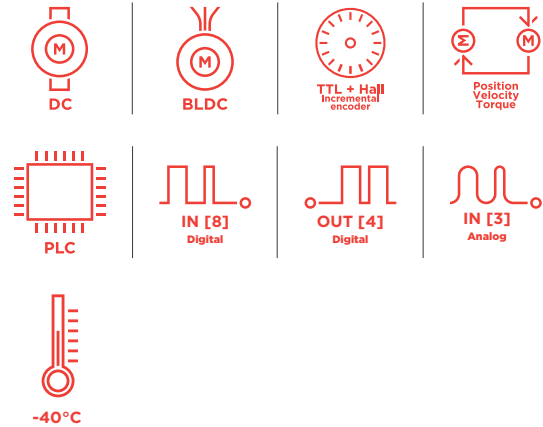
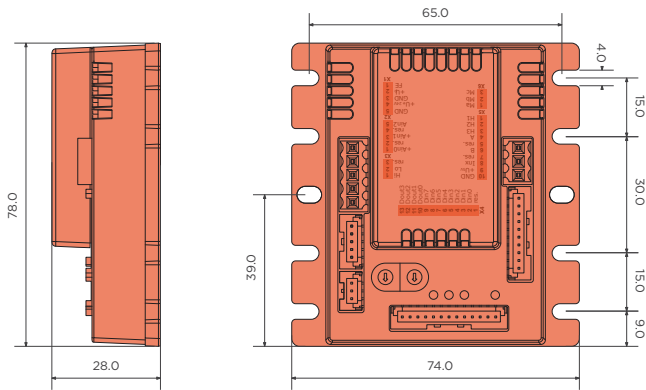


SVTE-A-E50-CanOpen Servo Drives

60VDC | 7.5A
DC motors, BLDC motors



CANopen

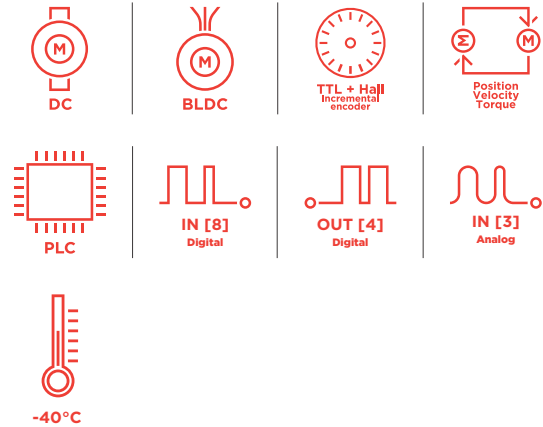
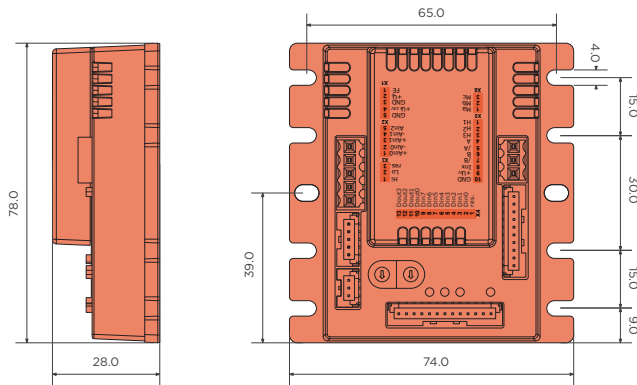
Values	Unit
Power	
1 Electronic supply voltage U _e	VDC 9..30
2 Power supply voltage U _p	VDC 9..60
3 Max. output current	A 25
4 Continuous output current @ U _p =24VDC (certified UL)	A 7.5
5 Continuous output current @ U _p =60VDC (certified UL)	A 7
6 Output voltage	Up to 90%
Motor types	
7 DC motors	Yes
8 BLDC motors	Yes
9 Stepper motors	No
Mechanical	
10 Size LxWxH	mm 78 x 74 x 28
CAN bus	
11 Protocol	DS301
12 Device profile	DS402
13 Galvanically isolated	no
Incremental encoder	
14 Input voltage	VDC 0..5
15 Signal type	open collector, single ended
Hall sensors	
16 Input voltage	VDC 0..5
17 Signal type	open collector, single ended
Digital input	
18 Number	8 (Din0..7)
Digital output	
19 Number	4 (Dout0..3)
20 Continuous output current	A 0.3 (Load: resistive, inductive)
Analog inputs	
21 Number	3 (Ain0..2)
22 Signal type - Ain0..1	0..10V, 12 Bit, Single Ended
23 Signal type - Ain2	0..5V, 12 Bit, Single Ended
Environment	
24 Operating temperature	°C -40..+70°C

Connection

X1 Supply		
1	FE	Functional earth
2	+Up	Power supply voltage
3	GND	Ground for power supply voltage
4	+Ue24V	Electronic supply voltage
5	GND	Ground for electronic supply voltage
X2 Analog Inputs		
1	Ain0	Analog input 0
2	res.	Reserved
3	Ain1	Analog input 1
4	res.	Reserved
5	Ain2	Analog Input 2 (5V)
X3 CAN bus		
1	CAN Hi	CAN High
2	CAN Lo	CAN Low
3	res.	Reserved
X4 Digital inputs/outputs		
1	res.	Reserved
2	Din0	Digital input 0
3	Din1	Digital input 1
4	Din2	Digital input 2
5	Din3	Digital input 3
6	Din4	Digital input 4
7	Din5	Digital input 5
8	Din6	Digital input 6
9	Din7	Digital input 7
10	Dout0	Digital output 0
11	Dout1	Digital output 1
12	Dout2	Digital output 2
13	Dout3	Digital output 3
X5 Hall and inc. encoder		
1	H1	Hall sensor 1
2	H2	Hall sensor 2
3	H3	Hall sensor 3
4	A	Inc. encoder, A channel
5	res.	Reserved
6	B	Inc. encoder, B channel
7	res.	Reserved
8	Inx	Inc. encoder, index channel
9	+U5V	5V output voltage for sensor supply
10	GND	Ground for sensor supply (don't connect with system GND)
X6 Motor		
1	Ma	Motor phase A
2	Mb	Motor phase B
3	Mc	Motor phase C

SVTE-A-E55-CanOpen Servo Drives

60VDC | 10A
DC motors, BLDC motors



CANopen

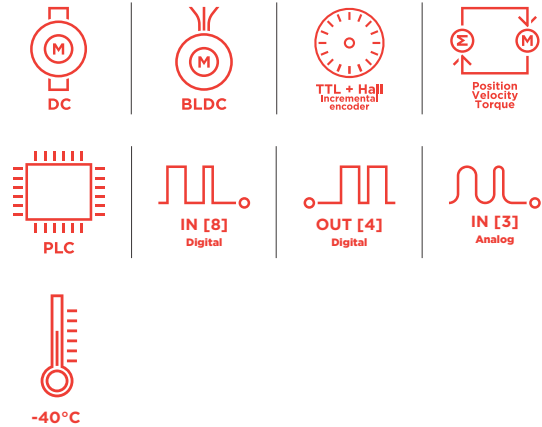
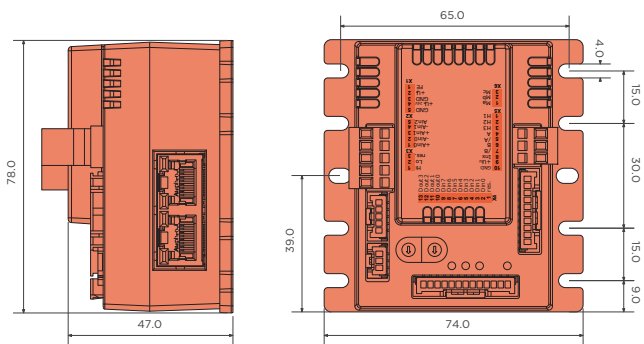
Values	Unit
Power	
1 Electronic supply voltage Ue	VDC 9..30
2 Power supply voltage Up	VDC 9..60
3 Max. output current	A 50
4 Continuous output current @ Up=24VDC	A 10
5 Continuous output current @ Up=48VDC	A 8.5
6 Output voltage	Up to 100%
Motor types	
7 DC motors	yes
8 BLDC motors	yes
9 Stepper motors	no
Mechanical	
10 Size LxWxH	mm 78 x 74 x 28
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	differential, open collector, single ended, 2,5 kOhm input impedance
Hall sensor	
16 Input voltage	VDC 0..5
17 Signal type	open collector, single ended, 5VDC pull up intern 920 Ohm
Digital input	
18 Number	8 (Din0..7)
Digital output	
19 Number	4 (Dout0..3)
20 Continuous output current	A 0.3 (Load: resistive, inductive)
Analog inputs	
21 Number	3 (Ain0..2)
22 Signal type - Ain0..1	+/- 10VDC, 12 Bit, differential, 200 kOhm input impedance
23 Signal type - Ain2	0..5 VDC, 12 Bit, single ended, 5VDC pull up intern 1,5 kOhm
Environment	
24 Operating temperature	°C -40...+70

Connection

X1 Supply		
1	FE	Functional earth
2	+Up	Power supply voltage
3	GND	Ground for power supply voltage
4	+Ue24V	Electronic supply voltage
5	GND	Ground for electronic supply voltage
X2 Analog Inputs		
1	+Ain0	Analog input 0, positive
2	-Ain0	Analog input 0, negative
3	+Ain1	Analog input 1, positive
4	-Ain1	Analog input 1, negative
5	Ain2	Analog Input 2 (5V)
X3 CAN bus		
1	CAN Hi	CAN High
2	CAN Lo	CAN Low
3	res.	Reserved
X4 Digital inputs/outputs		
1	res.	Reserved
2	Din0	Digital input 0
3	Din1	Digital input 1
4	Din2	Digital input 2
5	Din3	Digital input 3
6	Din4	Digital input 4
7	Din5	Digital input 5
8	Din6	Digital input 6
9	Din7	Digital input 7
10	Dout0	Digital output 0
11	Dout1	Digital output 1
12	Dout2	Digital output 2
13	Dout3	Digital output 3
X5 Hall and inc. encoder		
1	H1	Hall sensor 1
2	H2	Hall sensor 2
3	H3	Hall sensor 3
4	A	Inc. encoder, A channel
5	/A	Inc. encoder, A channel invert
6	B	Inc. encoder, B channel
7	/B	Inc. encoder, B channel inverted
8	Inx	Inc. encoder, index channel
9	+U5V	5V output voltage for sensor supply
10	GND	Ground for sensor supply (don't connect with system GND)
X6 Motor		
1	Ma	Motor phase A
2	Mb	Motor phase B
3	Mc	Motor phase C

SVTE-A-E55-EtherCAT Servo Drives

60VDC | 8A
DC motors, BLDC motors



CANopen | EtherCAT

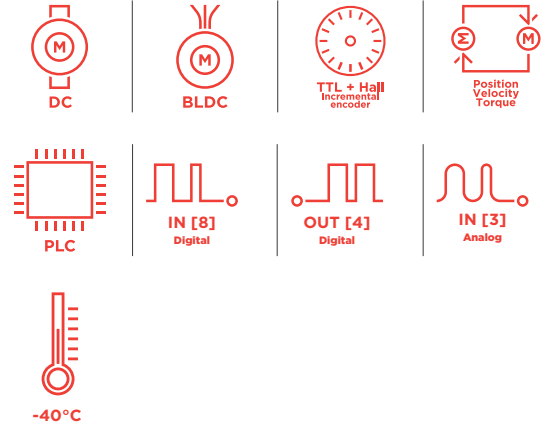
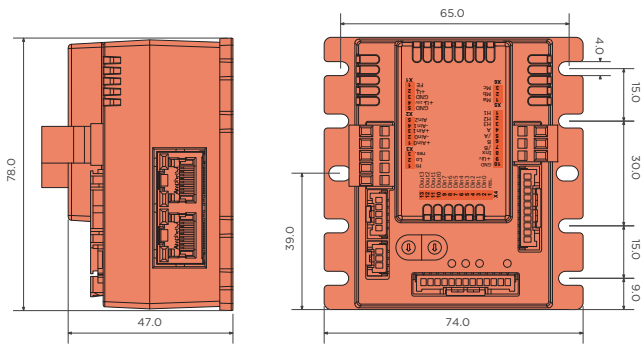
Values	Unit
Power	
1 Electronic supply voltage U _e	VDC 9..30
2 Power supply voltage U _p	VDC 9..60
3 Max. output current	A 50
4 Continuous output current	A 8
5 Output voltage	Up to 100%
Motor types	
6 DC motors	yes
7 BLDC motors	yes
8 Stepper motors	no
Mechanical	
9 Size LxWxH	mm 78x74x47
CAN bus	
10 Protocol	DS301
11 Device profile	DS402
12 Galvanically isolated	no
EtherCAT	
13 Type	EtherCAT Slave
14 Physical layer	100 Base-Tx EtherCAT
15 Max. baudrate	100 Mbit/s
16 Number of ports	2xRJ45 (In,Out)
17 Protocol	CoE (CANopen over EtherCAT)
Incremental encoder	
18 Input voltage (24VDC tolerant)	0..5
19 Signal type	differential, open collector, single ended
Hall sensors	
20 Input voltage	0..5
21 Signal type	open collector, single ended
Digital input	
22 Number	8 (Din0..7)
Digital output	
23 Number	4 (Dout0..3)
24 Continuous output current	A 0.3 (Load: resistive, inductive)
Analog inputs	
25 Number	3 (Ain0..2)
26 Signal type - Ain0..1	+/- 10 VDC, 12 Bit, differential
27 Signal type - Ain2	0..5VDC, 12 Bit, single ended
Environment	
28 Operating temperature	°C -40...+70

Connection

X1 Supply		
1	FE	Functional earth
2	+Up	Power supply voltage
3	GND	Ground for power supply voltage
4	+Ue24V	Electronic supply voltage
5	GND	Ground for electronic supply voltage
X2 Analog Inputs		
1	+Ain0	Analog input 0, positive
2	-Ain0	Analog input 0, negative
3	+Ain1	Analog input 1, positive
4	-Ain1	Analog input 1, negative
5	Ain2	Analog Input 2 (5V)
X3 CAN bus		
1	CAN Hi	CAN High
2	CAN Lo	CAN Low
3	res.	Reserved
X4 Digital inputs/outputs		
1	res.	Reserved
2	Din0	Digital input 0
3	Din1	Digital input 1
4	Din2	Digital input 2
5	Din3	Digital input 3
6	Din4	Digital input 4
7	Din5	Digital input 5
8	Din6	Digital input 6
9	Din7	Digital input 7
10	Dout0	Digital output 0
11	Dout1	Digital output 1
12	Dout2	Digital output 2
13	Dout3	Digital output 3
X5 Hall and inc. encoder		
1	H1	Hall sensor 1
2	H2	Hall sensor 2
3	H3	Hall sensor 3
4	A	Inc. encoder, A channel
5	/A	Inc. encoder, A channel invert
6	B	Inc. encoder, B channel
7	/B	Inc. encoder, B channel inverted
8	Inx	Inc. encoder, index channel
9	+U5V	5V output voltage for sensor supply
10	GND	Ground for sensor supply (don't connect with system GND)
X6 Motor		
1	Ma	Motor phase A
2	Mb	Motor phase B
3	Mc	Motor phase C
X7 EtherCAT - In port		
X8 EtherCAT - Out port		

SVTE-A-E55-Profinet Servo Drives

60VDC | 9A
DC motors, BLDC motors



CANopen | PROFIBUS NET

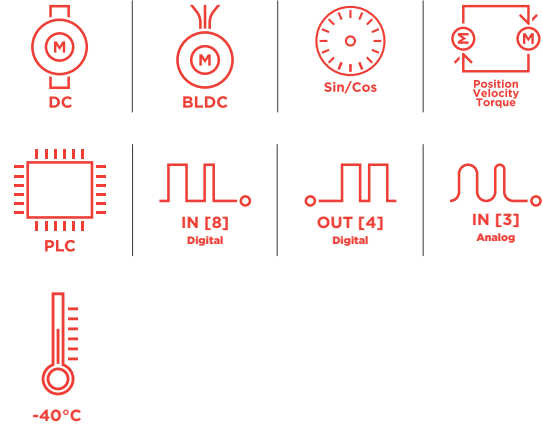
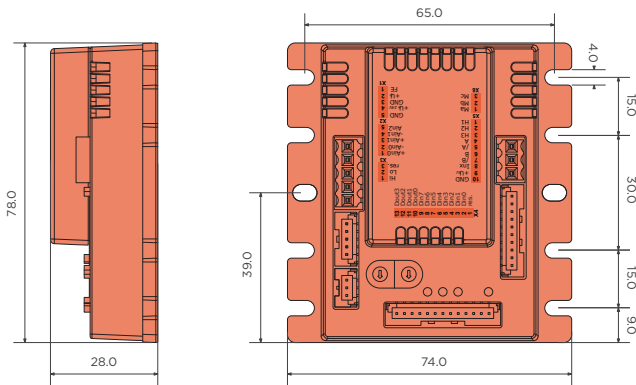
Values	Unit
Power	
1 Electronic supply voltage Ue	VDC 9..30
2 Power supply voltage Up	VDC 9..60
3 Max. output current	A 50
4 Continuous output current @ Up=24VDC	A 9
5 Continuous output current @ Up=48VDC	A 8
6 Output voltage	Up to 100%
Motor types	
7 DC motors	yes
8 BLDC motors	yes
9 Stepper motors	no
Mechanical	
10 Size LxWxH	mm 78 x 74 x 47
CAN bus	
11 Protocol	DS301
12 Device profile	DS402
13 Galvanically isolated	no
Profinet	
14 Type	Slave
15 Physical layer	100 Base-Tx
16 Max. baudrate	100 Mbit/s
17 Number of ports	2xRJ45 (PORT1, PORT2)
Incremental encoder	
18 Input voltage (24VDC tolerant)	VDC 0..5
19 Signal type	differential, open collector, single ended, 2.5 kOhm input impedance
Hall sensors	
20 Input voltage	VDC 0..5
21 Signal type	open collector, single ended, 5VDC pull up intern 920 Ohm
Digital input	
22 Number	8 (Din0..7)
Digital output	
23 Number	4 (Dout0..3)
24 Continuous output current	A 0.3 (Load: resistive, inductive)
Analog inputs	
25 Number	3 (Ain0..2)
26 Signal type - Ain0...1	+/- 10 VDC, 12 Bit, differential, 20 kOhm input impedance
27 Signal type - Ain2	0..5 VDC, 12 Bit, single ended, 5VDC pull up intern 1.5 kOhm
Environment	
28 Operating temperature	°C -40...+70

Connection

X1 Supply		
1	FE	Functional earth
2	+Up	Power supply voltage
3	GND	Ground for power supply voltage
4	+Ue24V	Electronic supply voltage
5	GND	Ground for electronic supply voltage
X2 Analog Inputs		
1	+Ain0	Analog input 0, positive
2	-Ain0	Analog input 0, negative
3	+Ain1	Analog input 1, positive
4	-Ain1	Analog input 1, negative
5	Ain2	Analog Input 2 (5V)
X3 CAN bus		
1	CAN Hi	CAN High
2	CAN Lo	CAN Low
3	res.	Reserved
X4 Digital inputs/outputs		
1	res.	Reserved
2	Din0	Digital input 0
3	Din1	Digital input 1
4	Din2	Digital input 2
5	Din3	Digital input 3
6	Din4	Digital input 4
7	Din5	Digital input 5
8	Din6	Digital input 6
9	Din7	Digital input 7
10	Dout0	Digital output 0
11	Dout1	Digital output 1
12	Dout2	Digital output 2
13	Dout3	Digital output 3
X5 Hall and inc. encoder		
1	H1	Hall sensor 1
2	H2	Hall sensor 2
3	H3	Hall sensor 3
4	A	Inc. encoder, A channel
5	/A	Inc. encoder, A channel invert
6	B	Inc. encoder, B channel
7	/B	Inc. encoder, B channel inverted
8	Inx	Inc. encoder, index channel
9	+U5V	5V output voltage for sensor supply
10	GND	Ground for sensor supply (don't connect with system GND)
X6 Motor		
1	Ma	Motor phase A
2	Mb	Motor phase B
3	Mc	Motor phase C
X7 Profinet - In port		
X8 Profinet - Out port		

SVTE-A-E57-CanOpen Servo Drives

60VDC | 10A
DC motors, BLDC motors



CANopen

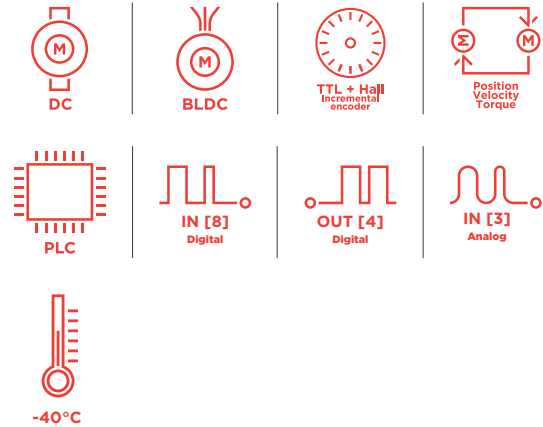
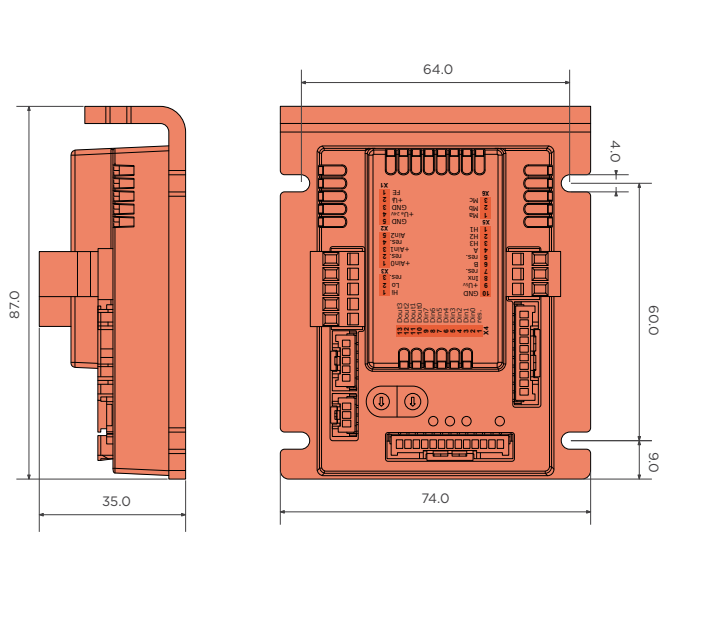
Values	Unit
Power	
1 Electronic supply voltage Ue	VDC 9..30
2 Power supply voltage Up	VDC 9..60
3 Max. output current	A 50
4 Continuous output current @ Up=24VDC	A 10
5 Output voltage	Up to 100%
Motor types	
6 DC motors	yes
7 BLDC motors	yes
8 Stepper motors	no
Mechanical	
9 Size LxWxH	mm 78 x 74 x 28
CAN bus	
10 Protocol	DS301
11 Device profile	DS402
12 Galvanically isolated	no
Encoder	
13 Input voltage	VDC 1 VDC peak-peak, differential
14 Signal type	sin / cos, analog, differential, 1085 kOhm input impedance
15 Resolution	13 bit per sine period
Digital input	
16 Number	8 (Din0..7)
Digital output	
17 Number	4 (Dout0..3)
18 Continuous output current	A 0.3 (Load: resistive, inductive)
Analog inputs	
19 Number	3 (Ain0..2)
20 Signal type - Ain0..1	+/- 10VDC, 12 Bit, differential, 200 kOhm input impedance
21 Signal type - Ain2	0..5 VDC, 12 Bit, single ended, 5VDC pull up intern 1.5 kOhm
Environment	
21 Operating temperature	°C -40...+70

Connection

X1 Supply		
1	FE	Functional earth
2	+Up	Power supply voltage
3	GND	Ground for power supply voltage
4	+Ue24V	Electronic supply voltage
5	GND	Ground for electronic supply voltage
X2 Analog Inputs		
1	+Ain0	Analog input 0, positive
2	-Ain0	Analog input 0, negative
3	+Ain1	Analog input 1, positive
4	-Ain1	Analog input 1, negative
5	Ain2	Analog Input 2 (5V)
X3 CAN bus		
1	CAN Hi	CAN High
2	CAN Lo	CAN Low
3	res.	Reserved
X4 Digital inputs/outputs		
1	res.	Reserved
2	Din0	Digital input 0
3	Din1	Digital input 1
4	Din2	Digital input 2
5	Din3	Digital input 3
6	Din4	Digital input 4
7	Din5	Digital input 5
8	Din6	Digital input 6
9	Din7	Digital input 7
10	Dout0	Digital output 0
11	Dout1	Digital output 1
12	Dout2	Digital output 2
13	Dout3	Digital output 3
X5 Encoder SinCos		
1	res.	Reserved
2	res.	Reserved
3	res.	Reserved
4	+Sin	Encoder, plus sine signal
5	-Sin	Encoder, minus sine signal
6	+Cos	Encoder, plus cosine signal
7	-Cos	Encoder, minus cosine signal
8	res.	Reserved
9	+U5V	5V output voltage for sensor supply
10	GND	Ground for sensor supply (don't connect with system GND)
X6 Motor		
1	Ma	Motor phase A
2	Mb	Motor phase B
3	Mc	Motor phase C

SVTE-A-E50-HC-CanOpen Servo Drives

60VDC | 14.5A
DC motors, BLDC motors



CANopen

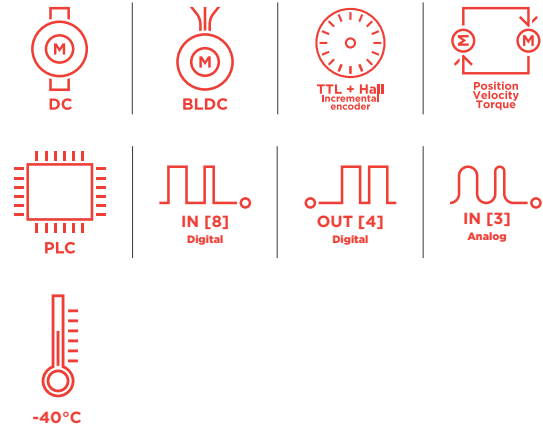
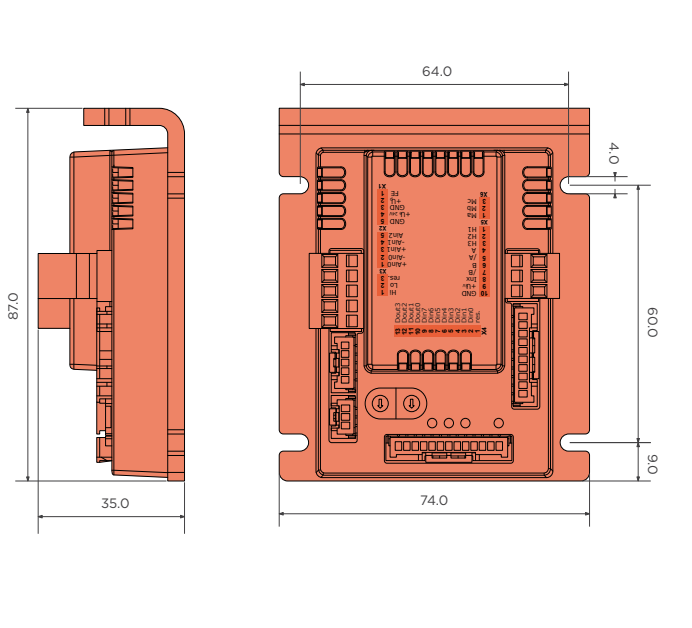
Values	Unit
Power	
1 Electronic supply voltage Ue	VDC 9..30
2 Power supply voltage Up	VDC 9..60
3 Max. output current	A 25
4 Continuous output current	A 14.5
5 Continuous output current @ Up=24VDC (certified UL)	A 9.5
6 Continuous output current @ Up=60VDC (certified UL)	A 9
7 Output voltage	Up to 90%
Motor types	
8 DC motors	Yes
9 BLDC motors	Yes
10 Stepper motors	No
Mechanical	
11 Size LxWxH	mm 87 x 74 x 28
CAN bus	
12 Protocol	DS301
13 Device profile	DS402
14 Galvanically isolated	no
Incremental encoder	
15 Input voltage	VDC 0..5
16 Signal type	open collector, single ended
Hall sensors	
17 Input voltage	VDC 0..5
18 Signal type	open collector, single ended
Digital input	
19 Number	8 (Din0..7)
Digital output	
20 Number	4 (Dout0..3)
21 Continuous output current	A 0.3 (Load: resistive, inductive)
Analog inputs	
22 Number	3 (Ain0..2)
23 Signal type - Ain0..1	0..10V, 12 Bit, Single Ended
24 Signal type - Ain2	0..5V, 12 Bit, Single Ended
Environment	
25 Operating temperature	°C -40..+70°C

Connection

X1 Supply		
1	FE	Functional earth
2	+Up	Power supply voltage
3	GND	Ground for power supply voltage
4	+Ue24V	Electronic supply voltage
5	GND	Ground for electronic supply voltage
X2 Analog Inputs		
1	Ain0	Analog input 0
2	res.	Reserved
3	Ain1	Analog input 1
4	res.	Reserved
5	Ain2	Analog Input 2 (5V)
X3 CAN bus		
1	CAN Hi	CAN High
2	CAN Lo	CAN Low
3	res.	Reserved
X4 Digital inputs/outputs		
1	res.	Reserved
2	Din0	Digital input 0
3	Din1	Digital input 1
4	Din2	Digital input 2
5	Din3	Digital input 3
6	Din4	Digital input 4
7	Din5	Digital input 5
8	Din6	Digital input 6
9	Din7	Digital input 7
10	Dout0	Digital output 0
11	Dout1	Digital output 1
12	Dout2	Digital output 2
13	Dout3	Digital output 3
X5 Hall and inc. encoder		
1	H1	Hall sensor 1
2	H2	Hall sensor 2
3	H3	Hall sensor 3
4	A	Inc. encoder, A channel
5	res.	Reserved
6	B	Inc. encoder, B channel
7	res.	Reserved
8	Inx	Inc. encoder, index channel
9	+U5V	5V output voltage for sensor supply
10	GND	Ground for sensor supply (don't connect with system GND)
X6 Motor		
1	Ma	Motor phase A
2	Mb	Motor phase B
3	Mc	Motor phase C

SVTE-A-E55-HC-CanOpen Servo Drives

60VDC | 14.5A
DC motors, BLDC motors



CANopen

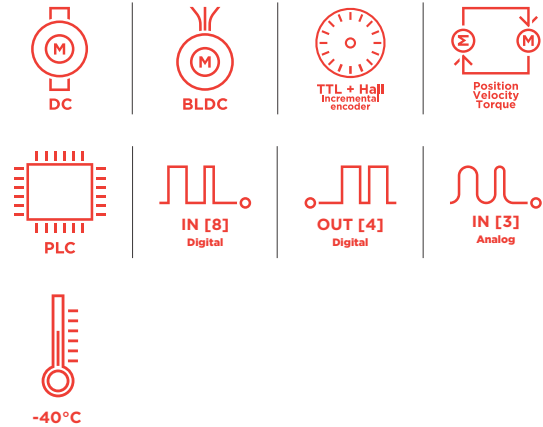
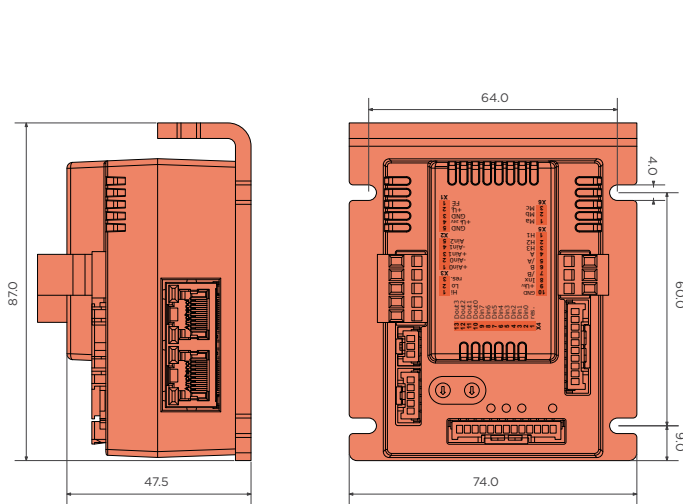
Values	Unit
Power	
1 Electronic supply voltage Ue	VDC 9..30
2 Power supply voltage Up	VDC 9..60
3 Max. output current	A 50
4 Continuous output current	A 14.5
5 Continuous output current @ Up=24VDC (certified UL)	A 9.5
6 Continuous output current @ Up=60VDC (certified UL)	A 9
7 Output voltage	Up to 100%
Motor types	
8 DC motors	yes
9 BLDC motors	yes
10 Stepper motors	no
Mechanical	
11 Size LxWxH	mm 87 x 74 x 28
CAN bus	
12 Protocol	DS301
13 Device profile	DS402
14 Galvanically isolated	no
Incremental encoder	
15 Input voltage	VDC 0..5
16 Signal type	open collector, single ended
Hall sensors	
17 Input voltage	VDC 0..5
18 Signal type	open collector, single ended
Digital input	
19 Number	8 (Din0..7)
Digital output	
20 Number	4 (Dout0..3)
21 Continuous output current	A 0.3 (Load: resistive, inductive)
Analog inputs	
22 Number	3 (Ain0..2)
23 Signal type - Ain0..1	0..10V, 12 Bit, Single Ended
24 Signal type - Ain2	0..5V, 12 Bit, Single Ended
Environment	
24 Operating temperature	°C -40..+70°C

Connection

X1 Supply		
1	FE	Functional earth
2	+Up	Power supply voltage
3	GND	Ground for power supply voltage
4	+Ue24V	Electronic supply voltage
5	GND	Ground for electronic supply voltage
X2 Analog Inputs		
1	+Ain0	Analog input 0, positive
2	-Ain0	Analog input 0, negative
3	+Ain1	Analog input 1, positive
4	-Ain1	Analog input 1, negative
5	Ain2	Analog Input 2 (5V)
X3 CAN bus		
1	CAN Hi	CAN High
2	CAN Lo	CAN Low
3	res.	Reserved
X4 Digital inputs/outputs		
1	res.	Reserved
2	Din0	Digital input 0
3	Din1	Digital input 1
4	Din2	Digital input 2
5	Din3	Digital input 3
6	Din4	Digital input 4
7	Din5	Digital input 5
8	Din6	Digital input 6
9	Din7	Digital input 7
10	Dout0	Digital output 0
11	Dout1	Digital output 1
12	Dout2	Digital output 2
13	Dout3	Digital output 3
X5 Hall and inc. encoder		
1	H1	Hall sensor 1
2	H2	Hall sensor 2
3	H3	Hall sensor 3
4	A	Inc. encoder, A channel
5	/A	Inc. encoder, A channel invert
6	B	Inc. encoder, B channel
7	/B	Inc. encoder, B channel inverted
8	Inx	Inc. encoder, index channel
9	+U5V	5V output voltage for sensor supply
10	GND	Ground for sensor supply (don't connect with system GND)
X6 Motor		
1	Ma	Motor phase A
2	Mb	Motor phase B
3	Mc	Motor phase C

SVTE-A-E55-HC-EtherCAT Servo Drives

60VDC | 14.5A
DC motors, BLDC motors



CANopen | EtherCAT

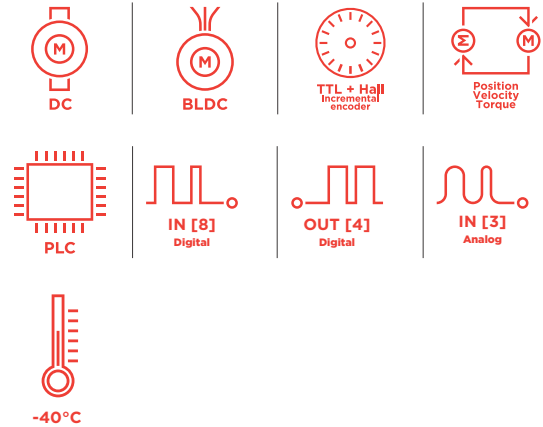
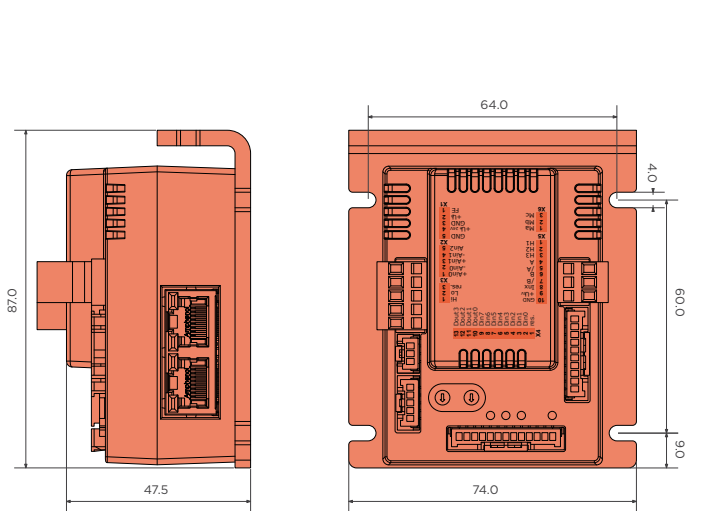
Values	Unit
Power	
1 Electronic supply voltage Ue	VDC 9..30
2 Power supply voltage Up	VDC 9..60
3 Max. output current	A 50
4 Continuous output current	A 14.5
5 Output voltage	Up to 100%
Motor types	
6 DC motors	yes
7 BLDC motors	yes
8 Stepper motors	no
Mechanical	
9 Size LxWxH	mm 87 x 74 x 47
CAN bus	
10 Protocol	DS301
11 Device profile	DS402
12 Galvanically isolated	no
EtherCAT	
13 Type	EtherCAT Slave
14 Physical layer	100 Base-Tx EtherCAT
15 Max. baudrate	100 Mbit/s
16 Number of ports	2xRJ45 (In,Out)
17 Protocol	CoE (CANopen over EtherCAT)
Incremental encoder	
18 Input voltage	VDC 0..5
19 Signal type	differential, open collector, single ended
Hall sensors	
20 Input voltage	VDC 0..5
21 Signal type	open collector, single ended
Digital input	
22 Number	8 (Din0..7)
Digital output	
23 Number	4 (Dout0..3)
24 Continuous output current	A 0.3 (Load: resistive, inductive)
Analog inputs	
25 Number	3 (Ain0..2)
26 Signal type - Ain0..1	+/-10V, 12 Bit, differential
27 Signal type - Ain2	0..5V, 12 Bit, single ended
Environment	
28 Operating temperature	°C -40..+70°C

Connection

X1 Supply		
1	FE	Functional earth
2	+Up	Power supply voltage
3	GND	Ground for power supply voltage
4	+Ue24V	Electronic supply voltage
5	GND	Ground for electronic supply voltage
X2 Analog Inputs		
1	+Ain0	Analog input 0, positive
2	-Ain0	Analog input 0, negative
3	+Ain1	Analog input 1, positive
4	-Ain1	Analog input 1, negative
5	Ain2	Analog Input 2 (5V)
X3 CAN bus		
1	CAN Hi	CAN High
2	CAN Lo	CAN Low
3	res.	Reserved
X4 Digital inputs/outputs		
1	res.	Reserved
2	Din0	Digital input 0
3	Din1	Digital input 1
4	Din2	Digital input 2
5	Din3	Digital input 3
6	Din4	Digital input 4
7	Din5	Digital input 5
8	Din6	Digital input 6
9	Din7	Digital input 7
10	Dout0	Digital output 0
11	Dout1	Digital output 1
12	Dout2	Digital output 2
13	Dout3	Digital output 3
X5 Hall and inc. encoder		
1	H1	Hall sensor 1
2	H2	Hall sensor 2
3	H3	Hall sensor 3
4	A	Inc. encoder, A channel
5	/A	Inc. encoder, A channel invert
6	B	Inc. encoder, B channel
7	/B	Inc. encoder, B channel inverted
8	Inx	Inc. encoder, index channel
9	+U5V	5V output voltage for sensor supply
10	GND	Ground for sensor supply (don't connect with system GND)
X6 Motor		
1	Ma	Motor phase A
2	Mb	Motor phase B
3	Mc	Motor phase C
X7 EtherCAT - In port		
X8 EtherCAT - Out port		

SVTE-A-E55-HC-Profinet Servo Drives

60VDC | 14.5A
DC motors, BLDC motors



CANopen | PROFINET

Values	Unit
Power	
1 Electronic supply voltage Ue	VDC 9..30
2 Power supply voltage Up	Vdc 9..60
3 Max. output current	A 50
4 Continuous output current	A 14.5
5 Output voltage	Up to 100%
Motor types	
6 DC motors	yes
7 BLDC motors	yes
8 Stepper motors	no
Mechanical	
9 Size LxWxH	mm 78 x 74 x 47
CAN bus	
10 Protocol	DS301
11 Device profile	DS402
12 Galvanically isolated	no
Profinet	
13 Type	Slave
14 Physical layer	100 Base-Tx
15 Max. baudrate	100 Mbit/s
16 Number of ports	2xRJ45 (PORT1,PORT2)
Incremental encoder	
17 Input voltage (24VDC tolerant)	VDC 0..5
18 Signal type	differential, open collector, single ended
Hall sensors	
19 Input voltage	VDC 0.5
20 Signal type	open collector, single ended
Digital input	
21 Number	8 (Din0..7)
Digital output	
22 Number	4 (Dout0..3)
23 Continuous output current	A 0.3
Analog inputs	
24 Number	3 (Ain0..2)
25 Signal type - Ain0...1	+/- 10 V, 12 Bit, differential
26 Signal type - Ain2	0..5 V, 12 Bit, single ended
Environment	
27 Operating temperature	°C -40..+70°C

Connection

X1 Supply		
1	FE	Functional earth
2	+Up	Power supply voltage
3	GND	Ground for power supply voltage
4	+Ue24V	Electronic supply voltage
5	GND	Ground for electronic supply voltage
X2 Analog Inputs		
1	+Ain0	Analog input 0, positive
2	-Ain0	Analog input 0, negative
3	+Ain1	Analog input 1, positive
4	-Ain1	Analog input 1, negative
5	Ain2	Analog Input 2 (5V)
X3 CAN bus		
1	CAN Hi	CAN High
2	CAN Lo	CAN Low
3	res.	Reserved
X4 Digital inputs/outputs		
1	res.	Reserved
2	Din0	Digital input 0
3	Din1	Digital input 1
4	Din2	Digital input 2
5	Din3	Digital input 3
6	Din4	Digital input 4
7	Din5	Digital input 5
8	Din6	Digital input 6
9	Din7	Digital input 7
10	Dout0	Digital output 0
11	Dout1	Digital output 1
12	Dout2	Digital output 2
13	Dout3	Digital output 3
X5 Hall and inc. encoder		
1	H1	Hall sensor 1
2	H2	Hall sensor 2
3	H3	Hall sensor 3
4	A	Inc. encoder, A channel
5	/A	Inc. encoder, A channel invert
6	B	Inc. encoder, B channel
7	/B	Inc. encoder, B channel inverted
8	Inx	Inc. encoder, index channel
9	+U5V	5V output voltage for sensor supply
10	GND	Ground for sensor supply (don't connect with system GND)
X6 Motor		
1	Ma	Motor phase A
2	Mb	Motor phase B
3	Mc	Motor phase C
X7 Profinet - In port		
X8 Profinet - Out port		