

NEW

Servo Controller Series E1100



E1100-MP
E1100-MT

E1100-DN
E1100-CO

E1100-DP
E1100-RS
E1100-GP

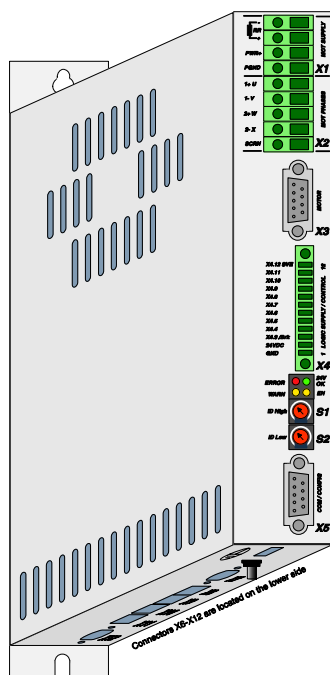
LinMot®

Servo Controller Series E1100

The LinMot controller series E1100 are full digital controlled servo amplifiers with integrated power stages for 1,2 or 3-phase motors. E1100 Servo Controllers operate with digital, serial and the most usual Field Bus interfaces like PROFIBUS-DP, DeviceNet and CANopen. Synchronization or electronic gearing to a Master Encoder is a standard functionality.

The flexible concept of the Series E1100 hardware makes it possible to control a big variety of linear or rotary motors with the same Servo Controller, the same integration concepts to the overlaid machine controller (PLC or IPC) and one unique tool for configuration and programming. Using the same Hard- and Software to control many different types of actuators keeps system integration, training and service costs on a minimal level.

Key features for the new series E1100 Servo Controllers:

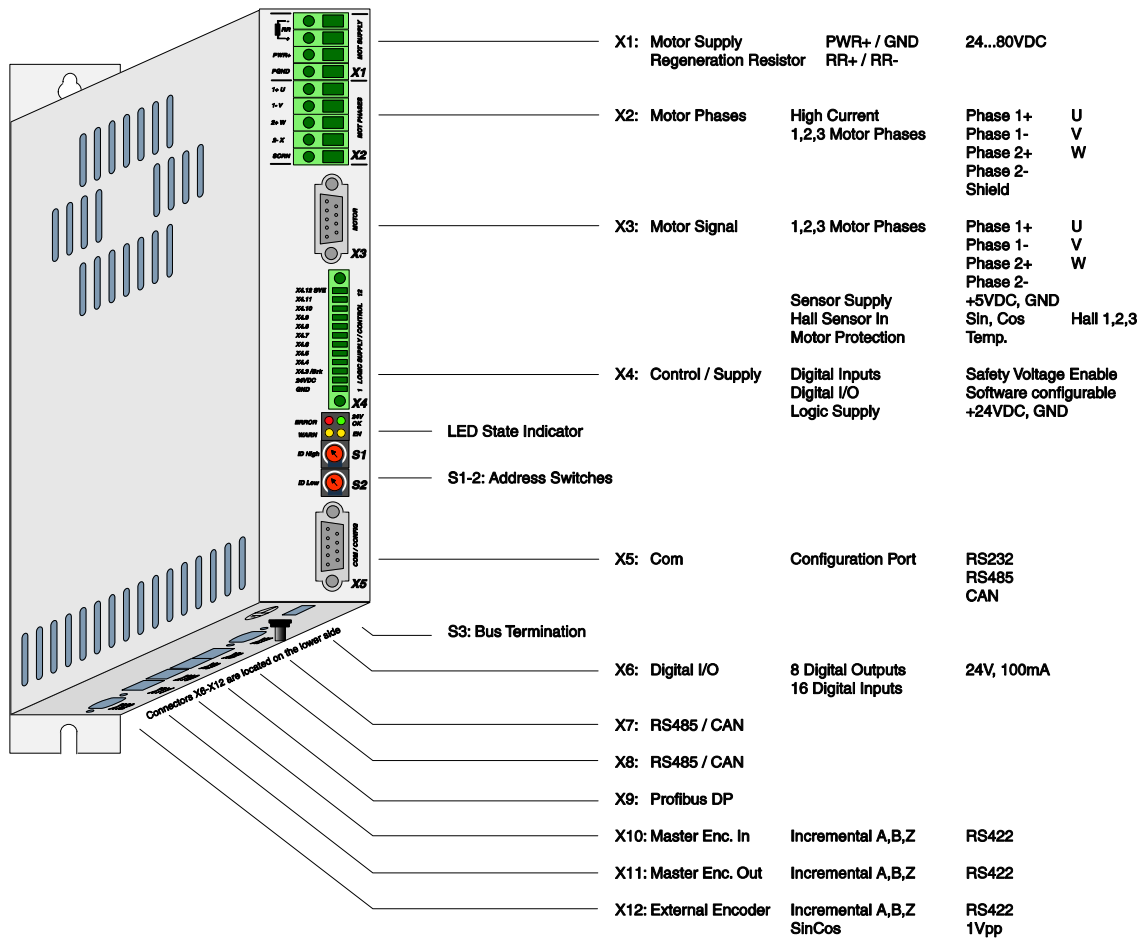


- Servo Controller for 1,2 or 3 phase linear or rotary motors
- Integrated digital position control with feed forward structure for advanced position control.
- Interfacing to the overlaid machine control with digital addressing, LinRS (RS232 / RS485), LinCAN, CANOpen, DeviceNet, Profibus.
- Store entire motion sequences with up to 255 commands.
- Up to 99 internally stored, free programmable motion profiles.
- Synchronization or electronic gearing to rotary main shaft or linear master movement.
- Up to 20 digital inputs and 17 short circuit and overload protected digital outputs.
- Fast trigger input (315µs) for high-speed synchronization.
- Dedicated control output for clutch/mechanical break.
- Standard version with 72VDC and 4A phase current.
- High current version with 72VDC and 15A phase current.
- Integrated low side switch for regeneration resistor.
- Safety Voltage Enable SVE (integrated safety feature).

Functionality	E1100-MP	E1100-MP-HC	E1100-MT	E1100-MT-HC	E1100-RS	E1100-RS-HC	E1100-CO	E1100-CO-HC	E1100-DN	E1100-DN-HC	E1130-DP	E1130-DP-HC	E1100-GP	E1100-GP-HC
Supply Voltage														
Motor Supply 72VDC (24...80VDC)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Logic Supply 24VDC (22...26VDC)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Motor Phase Current														
4A _{peak}	•		•		•		•		•		•		•	
15A _{peak}		•		•		•		•		•		•		•
Controllable Motors														
LinMot P01-23Sx80	•		•		•		•		•		•		•	
P01-23x...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
P01-37x...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
P01-48x...	•	•	•	•	•	•	•	•	•	•	•	•	•	•
DC Motors					•	•	•	•	•	•	•	•	•	•
Brushless DC / EC Motors					•	•	•	•	•	•	•	•	•	•
Command Interface														
MPC with 8 Commands	•	•	•	•									•	•
MPC with 256 Commands			•	•									•	•
RS232 up to 115.2 kBaud					•	•					•	•	•	•
RS485 up to 115.2 kBaud					•	•					•	•	•	•
CANOpen up to 1MBaud							•	•			•	•	•	•
DeviceNet 125, 250, 500 kBaud									•	•	•	•	•	•
PROFIBUS DP up to 12MBaud											•	•		
External Position Sensor														
Incremental RS422 up to 2.5 MHz			•	•	•	•	•	•	•	•	•	•	•	•
SinCos 1Vpp up to 10kHz			•	•	•	•	•	•	•	•	•	•	•	•
Synchronisation														
Master Encoder In/Out RS422 up to 2.5 MHz					•	•	•	•	•	•	•	•	•	•
Configuration														
RS232 Configuration	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CAN Multi Axes Configuration					•	•	•	•	•	•	•	•	•	•
PC Configuration SW														
LinMot MPC Configurator	•	•	•	•									•	•
LinMot Talk 1100					•	•	•	•	•	•	•	•	•	•

Motion Commands	E1100-MP	E1100-MP-HC	E1100-MT	E1100-MT-HC	E1100-RS	E1100-RS-HC	E1100-CO	E1100-CO-HC	E1100-DN	E1100-DN-HC	E1130-DP	E1130-DP-HC	E1100-GP	E1100-GP-HC
MPC Commands (Absolute Position, Rel. Move, Press)	•	•	•	•									•	•
Analog Position Mode					•	•	•	•	•	•	•	•	•	•
Step/Direction (pulse/direction)					•	•	•	•	•	•	•	•	•	•
Goto Absolute Position (with VA Limiter, Ramp)					•	•	•	•	•	•	•	•	•	•
Goto Absolute Position (with Motion Profile)					•	•	•	•	•	•	•	•	•	•
Relative Move (with VA Limiter, Ramp)					•	•	•	•	•	•	•	•	•	•
Relative Move (with Motion Profile)					•	•	•	•	•	•	•	•	•	•
Run Motion Profile time based					•	•	•	•	•	•	•	•	•	•
Run Motion Profile sync. to Master Encoder					•	•	•	•	•	•	•	•	•	•
Start Motion Command on Trigger event					•	•	•	•	•	•	•	•	•	•
Interpolation Mode PT (cyclic position set points)					•	•	•	•	•	•	•	•	•	•
Interpolation Mode PVT (cyclic position, velocity s.p.)					•	•	•	•	•	•	•	•	•	•
Technology Functions : Parallel & Cross Winding					•	•	•	•	•	•	•	•	•	•
Customer specific Functions (RTS/Application)					○	○	○	○	○	○	○	○	○	○

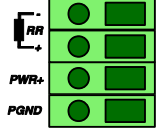
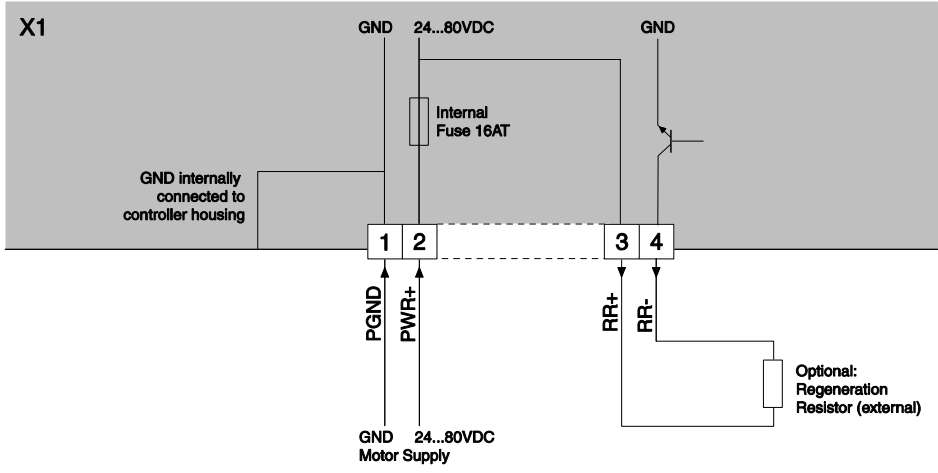
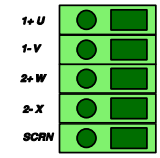
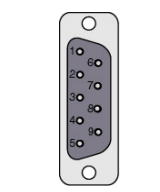
E1100 Interfaces



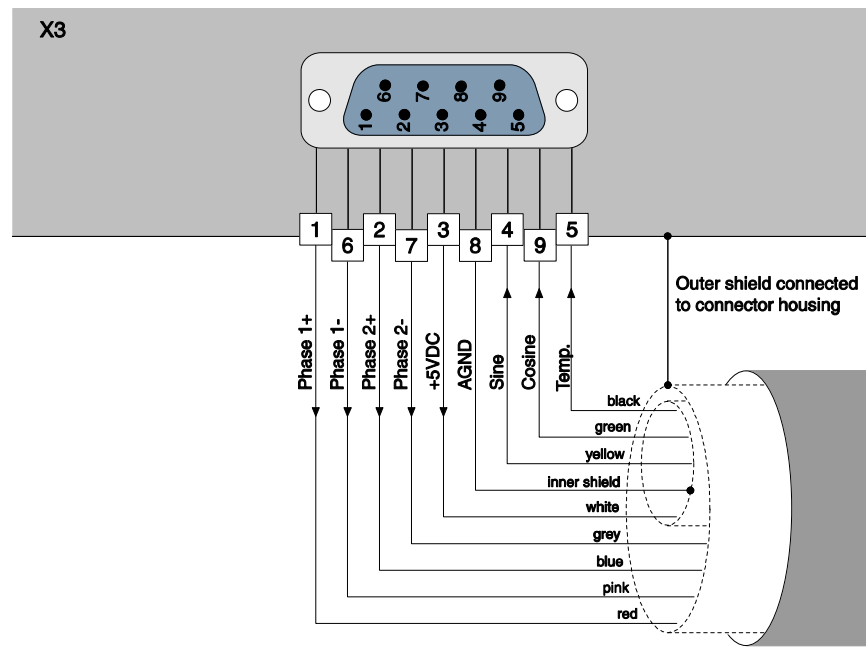
	E1100-MP	E1100-MP-HC	E1100-MT	E1100-MT-HC	E1100-RS	E1100-RS-HC	E1100-CO	E1100-CO-HC	E1100-DN	E1100-DN-HC	E1130-DP	E1130-DP-HC	E1100-GP	E1100-GP-HC
Connector														
X1 Motor Supply	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Regeneration Resistor	•	•	•	•	•	•	•	•	•	•	•	•	•	•
X2 Motor Phases		•	•	•	•	•	•	•	•	•	•	•	•	•
X3 Motor / Motor Signals	•	•	•	•	•	•	•	•	•	•	•	•	•	•
X4 Logic Supply / Control	•	•	•	•	•	•	•	•	•	•	•	•	•	•
X5 Com RS232	○	○	○	○	•	•	•	•	•	•	•	•	•	•
RS485					•	•	•	•	•	•	•	•	•	•
CAN					•	•	•	•	•	•	•	•	•	•
X6 Digital I/O	•	•	•	•									•	•
X7 RS485 / CAN In					•	•	•	•	•	•	•	•		
X8 RS485 / CAN Out					•	•	•	•	•	•	•	•		
X9 PROFIBUS DP											•	•		
X10 Master Encoder In					•	•	•	•	•	•	•	•	•	•
X11 Master Encoder Out					•	•	•	•	•	•	•	•	•	•
X12 External Encoder			•	•	•	•	•	•	•	•	•	•	•	•
LED State Indicator	•	•	•	•	•	•	•	•	•	•	•	•	•	•
S1 Switch High					•	•	•	•	•	•	•	•	•	•
S2 Switch Low					•	•	•	•	•	•	•	•	•	•
S3 Bus Termination					•	•	•	•	•	•	•	•	•	•

○ for PC configuration only (MPC Configurator)

Connectivity

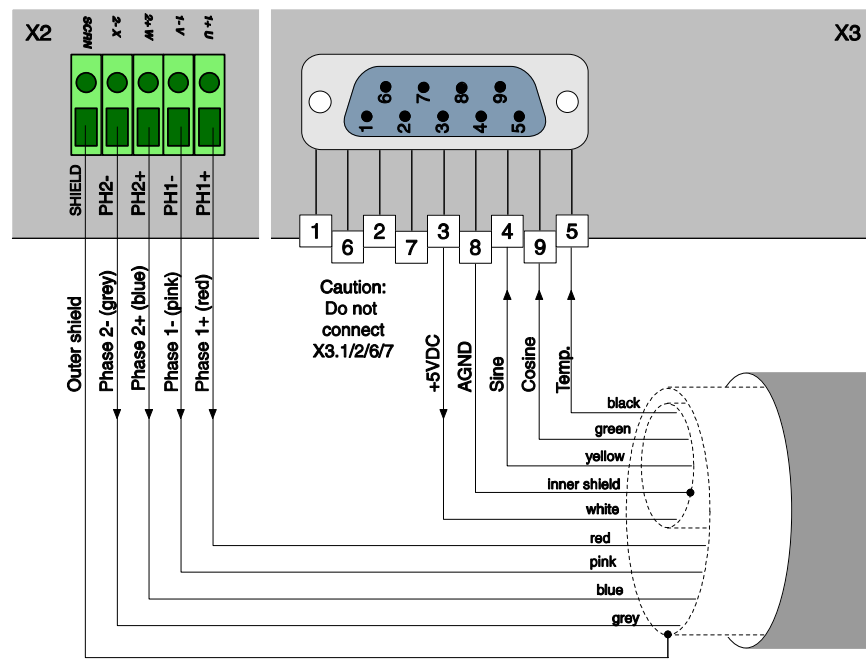
X1:	Motor Supply / Regeneration Resistor																							
																								
Screw Terminals	External Regeneration Resistor Motor Supply 24...80VDC Absolute max. Rating 72VDC +20%. If motor supply voltage is exceeding 90VDC, the controller will go into error state. Wiring: 2.5mm ² (AWG14)																							
X2:	Motor Phases																							
	PH1+ /U PH1- /V PH2+ /W PH2- 3CRN	<table border="0"> <tr> <td>LinMot Motor:</td> <td>3-phase EC-Motor:</td> </tr> <tr> <td>Motor Phase 1+ red</td> <td>Motor Phase U</td> </tr> <tr> <td>Motor Phase 1- pink</td> <td>Motor Phase V</td> </tr> <tr> <td>Motor Phase 2+ blue</td> <td>Motor Phase W</td> </tr> <tr> <td>Motor Phase 2- grey</td> <td></td> </tr> <tr> <td>Shield</td> <td></td> </tr> </table>	LinMot Motor:	3-phase EC-Motor:	Motor Phase 1+ red	Motor Phase U	Motor Phase 1- pink	Motor Phase V	Motor Phase 2+ blue	Motor Phase W	Motor Phase 2- grey		Shield											
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Screw Terminals	The motor phases are present at X2 and X3. If the RMS current is higher than 5A RMS, the phases must be connected to X2 and not to X3. Never connect both. Wiring: 1.5-2.5mm ² (AWG16-14)																							
X3:	Motor																							
	1 2 3 4 5 6 7 8 9 case	<table border="0"> <tr> <td>LinMot Motor:</td> <td>3-phase EC-Motor:</td> </tr> <tr> <td>Motor Phase 1+</td> <td></td> </tr> <tr> <td>Motor Phase 2+</td> <td></td> </tr> <tr> <td>+5VDC</td> <td></td> </tr> <tr> <td>Sensor Sine</td> <td>Hall 1</td> </tr> <tr> <td>Temp. In</td> <td>Hall 3</td> </tr> <tr> <td>Motor Phase 1-</td> <td></td> </tr> <tr> <td>Motor Phase 2-</td> <td></td> </tr> <tr> <td>AGND</td> <td></td> </tr> <tr> <td>Sensor Cosine</td> <td>Hall 2</td> </tr> <tr> <td>Shield</td> <td></td> </tr> </table>	LinMot Motor:	3-phase EC-Motor:	Motor Phase 1+		Motor Phase 2+		+5VDC		Sensor Sine	Hall 1	Temp. In	Hall 3	Motor Phase 1-		Motor Phase 2-		AGND		Sensor Cosine	Hall 2	Shield	
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Sensor Cosine	Hall 2																							
Shield																								
DSUB-9 (f)	<p><u>Note:</u> Use +5V (X3.3) and AGND (X3.8) only for motor internal Hall Sensor supply (max. 100mA).</p> <p><u>Caution:</u> Do NOT connect AGND (X3.8) to ground or earth! Use X2 for motor phases controllers if RMS current exceeds 5Arms.</p>																							

Motor wiring for Series E1100 Controllers (low current version without -HC extension)



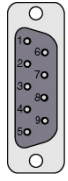
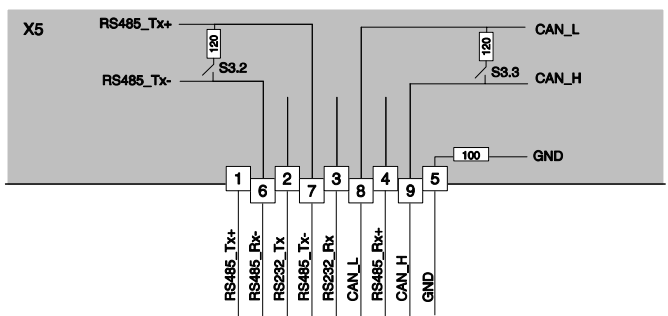
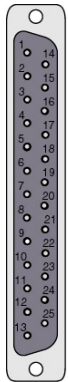
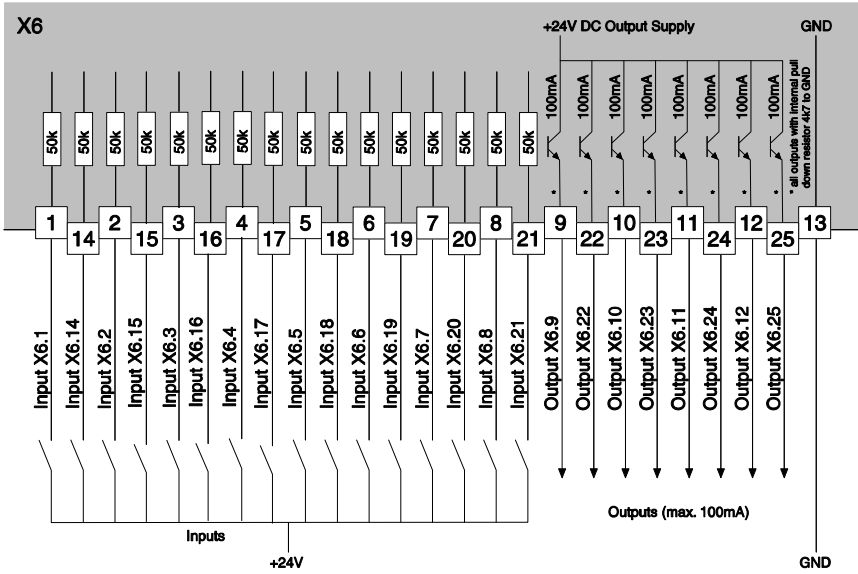

Important:
Motor Phases may be connected to X3 up to $5A_{rms}$ or $7.5A_{peak}$ phase current.

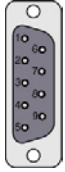


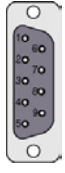
Motor Wiring for High Current Controller E1100-xx-HC



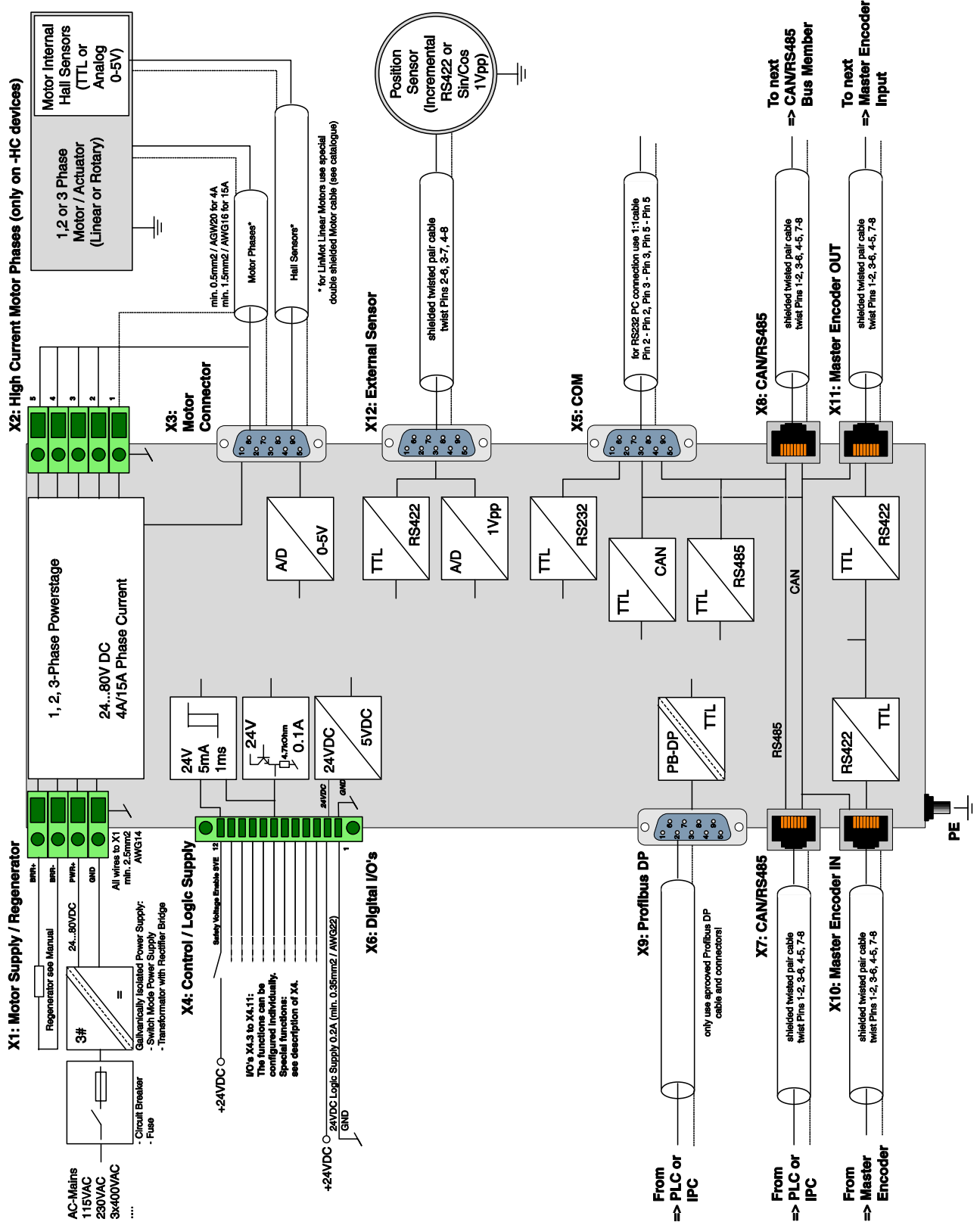
Important:
If motor phase current exceeds $5A_{rms}$ or $7.5A_{peak}$, motor phases must be wired to X2.

X4: 12pin		Control / Supply (E1130-DP(-HC), E1100-CO(-HC), E1100-DN(-HC), E1100-RS(-HC))																																																		
	<table border="1"> <tr><td>12</td><td>Input</td><td>Safety Voltage Enable</td><td>Power Stage Enable (HW Enable)</td></tr> <tr><td>11</td><td>I/O</td><td>X4.11</td><td>Configurable IO, PTC 2</td></tr> <tr><td>10</td><td>I/O</td><td>X4.10</td><td>Configurable IO, PTC 1</td></tr> <tr><td>9</td><td>I/O</td><td>X4.9</td><td>Configurable IO</td></tr> <tr><td>8</td><td>I/O</td><td>X4.8</td><td>Configurable IO</td></tr> <tr><td>7</td><td>I/O</td><td>X4.7</td><td>Configurable IO, Home Switch</td></tr> <tr><td>6</td><td>I/O</td><td>X4.6</td><td>Configurable IO, Trigger</td></tr> <tr><td>5</td><td>I/O</td><td>X4.5</td><td>Configurable IO</td></tr> <tr><td>4</td><td>I/O</td><td>X4.4</td><td>Configurable IO, Analog Input</td></tr> <tr><td>3</td><td>I/O</td><td>X4.3/Brk</td><td>Configurable IO, Brake Driver 1A</td></tr> <tr><td>2</td><td>+24VDC</td><td>Supply</td><td>Logic Supply 22-26 VDC</td></tr> <tr><td>1</td><td>GND</td><td>Supply</td><td>Ground</td></tr> </table>	12	Input	Safety Voltage Enable	Power Stage Enable (HW Enable)	11	I/O	X4.11	Configurable IO, PTC 2	10	I/O	X4.10	Configurable IO, PTC 1	9	I/O	X4.9	Configurable IO	8	I/O	X4.8	Configurable IO	7	I/O	X4.7	Configurable IO, Home Switch	6	I/O	X4.6	Configurable IO, Trigger	5	I/O	X4.5	Configurable IO	4	I/O	X4.4	Configurable IO, Analog Input	3	I/O	X4.3/Brk	Configurable IO, Brake Driver 1A	2	+24VDC	Supply	Logic Supply 22-26 VDC	1	GND	Supply	Ground			
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Phoenix MC1,5/12-STF-3,5	Inputs	24V / 1mA																																																		
	Outputs	24V / max.100mA																																																		
	Brake Output	24V / max.1.0A																																																		
	Sample Rate	Inputs/Outputs 1ms, Trigger Input 0.315msec																																																		
	Supply	24VDC / typ. 400mA / max. 2.1A (if all outputs "on" with max. load.)																																																		
	Wiring	0.25-1.5mm ² (AWG24-16)																																																		
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Phoenix MC1,5/11-STF-3,5	Inputs	24VDC 1mA	low level: -0.5...5VDC																																																	
	Outputs	24VDC max.100mA	high level: 15...30VDC																																																	
	Output X4.3	24VDC max.1.0A	Brake output																																																	
	Sample Rate	Inputs/Outputs 1ms	Trigger input 0.315msec																																																	
	Supply	24VDC / typ. 400mA / max. 3.0A (if all outputs "on" with max. load.)																																																		
	Wiring	0.25-1.5mm ² (AWG24-16)																																																		
LED		State Display																																																		
	Green	24VDC Logic Supply OK																																																		
	Yellow	Motor Enabled																																																		
	Yellow	Warning																																																		
	Red	Error																																																		
S1-3:		Address Selectors / Bus Termination																																																		
	S1	Bus ID High	(0...F)	HEX-Switches for Bus ID (Address range 0...255)																																																
	S2	Bus ID Low	(0...F)																																																	
	S3	Switch 1: RS232 (switch "off" / RS485 "on") Switch 2: Termination RS485 on/off Switch 3: Termination CAN on/off Switch 4: Bus Interface on/off		Select serial RS232 or RS485 Factory setting: all switches "off"																																																

X5: COM																															
	<table border="1"> <tr> <td>1</td> <td>RS485_Tx+</td> <td>Y</td> </tr> <tr> <td>2</td> <td>RS232_Tx</td> <td></td> </tr> <tr> <td>3</td> <td>RS232_Rx</td> <td></td> </tr> <tr> <td>4</td> <td>RS485_Rx+</td> <td>A</td> </tr> <tr> <td>5</td> <td>GND</td> <td></td> </tr> <tr> <td>6</td> <td>RS485_Rx-</td> <td>B</td> </tr> <tr> <td>7</td> <td>RS485_Tx-</td> <td>Z</td> </tr> <tr> <td>8</td> <td>CAN_L</td> <td></td> </tr> <tr> <td>9</td> <td>CAN_H</td> <td></td> </tr> <tr> <td>case</td> <td>Shield</td> <td></td> </tr> </table> <div style="text-align: right;">  </div>	1	RS485_Tx+	Y	2	RS232_Tx		3	RS232_Rx		4	RS485_Rx+	A	5	GND		6	RS485_Rx-	B	7	RS485_Tx-	Z	8	CAN_L		9	CAN_H		case	Shield	
1	RS485_Tx+	Y																													
2	RS232_Tx																														
3	RS232_Rx																														
4	RS485_Rx+	A																													
5	GND																														
6	RS485_Rx-	B																													
7	RS485_Tx-	Z																													
8	CAN_L																														
9	CAN_H																														
case	Shield																														
DSUB-9 (m)	<u>RS232:</u> Configuration on all Controllers: use 1:1 connection cable to PC																														
X6: Digital I/O																															
	<div style="text-align: right;">  </div>																														
DSUB-25 (f)	<p><u>All Inputs:</u> Direct interfacing to digital 24VDC PLC outputs. Input current: 1mA low level: -0.5...5VDC Sample rate: 1ms high level: 15...30VDC</p> <p><u>All Outputs:</u> Short circuit and overload protected high side switches Voltage: 24VDC Max. current: 100mA Update rate: 1ms</p> <p>Outputs may directly drive inductive loads.</p>																														
X7 - X8 RS485/CAN																															
	<table border="1"> <tr> <td>1</td> <td>RS485_Rx+</td> <td>A</td> </tr> <tr> <td>2</td> <td>RS485_Rx-</td> <td>B</td> </tr> <tr> <td>3</td> <td>RS485_Tx+</td> <td>Y</td> </tr> <tr> <td>4</td> <td>GND</td> <td></td> </tr> <tr> <td>5</td> <td>GND</td> <td></td> </tr> <tr> <td>6</td> <td>RS485_Tx-</td> <td>Z</td> </tr> <tr> <td>7</td> <td>CAN_H</td> <td></td> </tr> <tr> <td>8</td> <td>CAN_L</td> <td></td> </tr> <tr> <td>case</td> <td>Shield</td> <td></td> </tr> </table>	1	RS485_Rx+	A	2	RS485_Rx-	B	3	RS485_Tx+	Y	4	GND		5	GND		6	RS485_Tx-	Z	7	CAN_H		8	CAN_L		case	Shield				
1	RS485_Rx+	A																													
2	RS485_Rx-	B																													
3	RS485_Tx+	Y																													
4	GND																														
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6	RS485_Tx-	Z																													
7	CAN_H																														
8	CAN_L																														
case	Shield																														
RJ-45	Use twisted pair (1-2, 3-6, 4-5, 7-8) cable for wiring. The built in CAN and RS485 terminations can be activated by S3.2 and S3.3. X7 internally connected to X8 (1:1 connection)																														

X9:		Profibus DP		
	1	Not connected		
	2	Not connected		
	3	RxD/TxD-P		
	4	CNTR-P		
	5	GND	(isolated)	
	6	+5V	(isolated)	
	7	Not connected		
	8	RxD/TxD-N		
	9	Not connected		
	case	Shield		
DSUB-9 (f)	Max. Baud rate:	12Mbaud		
X10 / X11		Master Encoder IN (X10) / Master Encoder OUT (X11)		
 		<u>Incremental:</u>	<u>Step/Direction:</u>	<u>EIA/TIA 568A colors:</u>
	1	A+	Step+	Green/White
	2	A-	Step-	Green
	3	B+	Direction+	Orange/White
	4	Z+	Zero-	Blue
	5	Z-	Zero+	Blue/White
	6	B-	Direction-	Orange
	7	CAN_H	CAN_H	Brown/White
	8	CAN_L	CAN_L	Brown
	case	Shield	Shield	
RJ-45	Use twisted pair (1-2, 3-6, 4-5, 7-8) cable for wiring.			
	<u>Master Encoder Inputs:</u>	Differential RS422, max. Input Frequency 2.5MHz		
	<u>Master Encoder Outputs:</u>	Amplified RS422 differential signals from Master Encoder IN (X10)		
	CAN internally connected to X7, X8			
X12:		External Position Sensor		
		<u>Incremental:</u>	<u>Sin/Cos:</u>	
	1	+5V DC	+5V DC	
	2	A-	SIN-	
	3	B-	COS-	
	4	Z-	ZERO-	
	5	GND	GND	
	6	A+	SIN+	
	7	B+	COS+	
	8	Z+	ZERO+	
	9	Enc. Alarm	Enc. Alarm	
	case	Shield	Shield	
DSUB-9 (f)	Max. Input Frequency:	2.5MHz (Incremental RS422) 10kHz (Analog 1Vpp), 10Bit AD converted		
	Sensor Supply (max. 100mA)			
	Encoder Inputs:			
	- Incremental:	RS422		
	- Sin/Cos:	1Vpp		
	Enc. Alarm In:	5V / 1mA		

Installation E1100-RS/CO/DN/DP



Accessories

Switched Mode Power Supply S01



Article	Description	Art. No.
S01-72/300	Switched Mode Power Supply 72V / 300W	0150-1942
S01-72/600	Switched Mode Power Supply 72V / 600W	0150-1943
SM01-300	Mounting Part for 300W Power Supply	0150-3040
SM01-600	Mounting Part for 600W Power Supply	0150-3041
Capacitor	Capacitor 10'000uF/100V with mounting material	0150-3075

3 Phase Transformer Supply T01



Article	Description	Art. No.
T01-72/420	Transformer Supply 3x400VAC, 50/60Hz, 420W, 15A _{peak}	0150-1966
T01-72/420-USA	Transformer Supply 3x240VAC, 60Hz, 420W, 15A _{peak}	0150-1967

Regeneration Resistor RR01



Article	Description	Art. No.
RR01-10/60	Regeneration Resistor 10R, 60W	0150-3088

Control Box B01-E1100



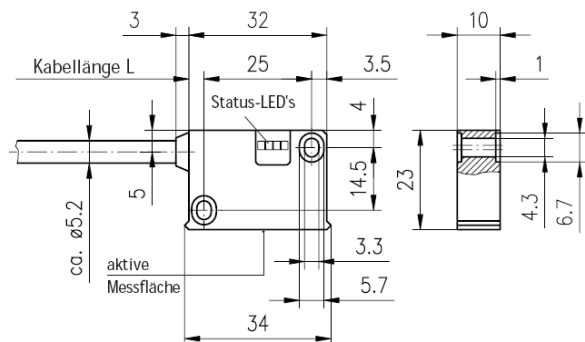
Article	Description	Art. No.
B01-E1100	Control Box for E1100 (incl. cables and connectors)	0150-1970

Connection Cables and Converters



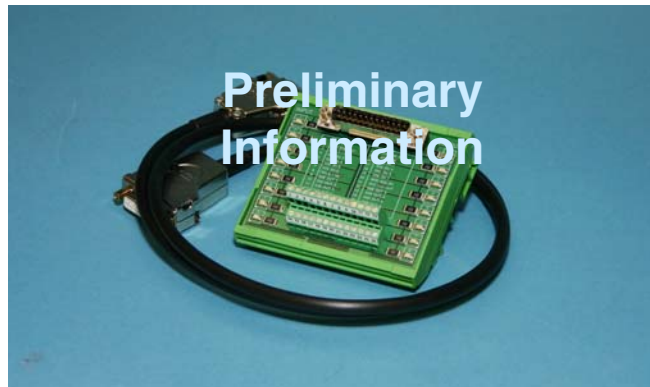
Article	Description	Art. No.
RS232 PC cable	Cable for RS232 Configuration (1.5m, 9 pin DSUB, f/f, 1:1)	0150-3009
USB-Serial Converter	USB to RS232 Converter (0.3m, USB-9 pin DSUB, f)	0150-3110
USB-CAN	USB to CAN Converter	0150-3134
RJ45-08/0.3	X7/8, X10/11 connection cable (0.3m, shielded, EIA/TIA568A)	0150-xxxx

Optional Linear Encoders for high precision applications



Article	Description	Art. No.
MS01-1/D	Linear Encoder AB for E1100 Resolution 1 μ m	0150-1840
MB01-1000	Magnetic Strip 1mm pitch per cm	0150-1662

Sensor Break out Module for rotary encoders



Article	Description	Art. No.
M01-E1100/RENC	Break Out Module for Rotary Encoder - Preliminary -	0150-xxxx

Configuration SW LinMot Talk 1100

The screenshot displays the LinMot Talk 1100 V3.0 Beta 20041216 software interface. The main window shows a project tree on the left with categories like Control Panel, Parameters, Information, Motion Control SW, Run Modes, and Triggers. The top pane shows a table of parameters:

Name	Value	Raw Data	UPID	Scale	Offset	Min	Max
Max Speed	0.5 m/s	500000	5310	1E-6	0	0 m/s	2147.48
Acceleration	10 m/s ²	1000000	5311	1E-5	0	0 m/s ²	21474.8
Deceleration	10 m/s ²	1000000	5312	1E-5	0	0 m/s ²	21474.8

The middle pane shows control and status information. The Control section includes items like Switch On, Voltage Enable, and Abort. The Status section shows Operation Enabled, Switch On Active, and Error. The Monitoring section displays Connection Status (Online), Firmware Status (Running), Motor Status (Switched On), and Dp. State (Operation Enabled). It also shows Actual Position (100.00 mm), Demand Position (100.00 mm), Motor Current (0.04 A), Logic Supply Volt. (23.63 V), and Motor Supply Volt. (72.65 V).

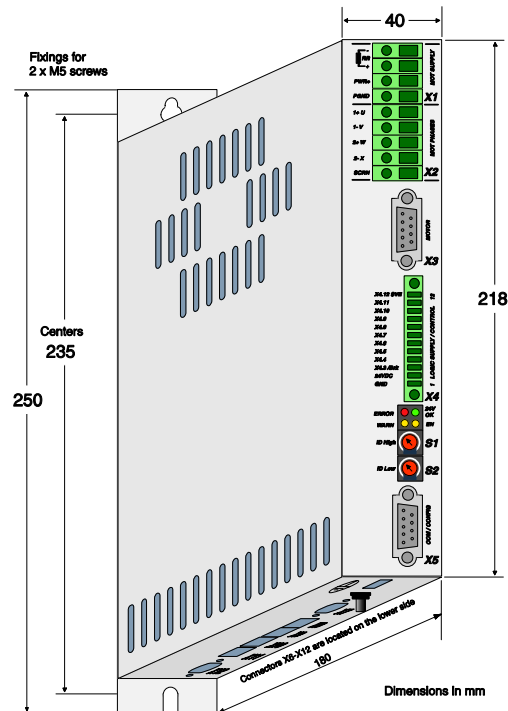
The bottom pane is the Motion Command Interface, showing Enable Manual Override, Cnd Type (VAI Go To Pos From Act Pos Starting With Dem Vel = 0 (014sh)), and a table of count nibbles:

Name	Offs.	Description	Scaled Value	Int. Value (Dec)	Int. Value (Hex)
Header	0	VAI Go To Pos From Act P...	325	325	0145h
1. Par	2	Target Position	100 mm	1000000	000F4240h
2. Par	6	Maximal Velocity	1 m/s	1000000	000F4240h
3. Par	10	Acceleration	10 m/s ²	1000000	000F4240h
4. Par	14	Deceleration	10 m/s ²	1000000	000F4240h

The right pane shows a graph with position (mm) and velocity (m/s) over time (ms). The position curve is a smooth blue line, and the velocity curve is a green line showing a peak and then settling to zero.

Article	Description
LinMot Talk 1100	PC Configuration SW for Servo Controllers Series E1100

Physical Dimension



Servo Controllers Series E1100			
Width	mm (in)		40 (1.6)
Height	mm (in)		250 (9.9)
Height without fixings	mm (in)		228 (9)
Depth	mm (in)		180 (7.1)
Weight	Kg (lb)		1.5 (3.3)
Case	IP		20
Storage Temperature	°C		-25...40
Transport Temperature	°C		-25...70
Operating Temperature	°C		0...40 at rated data 40...50 with power derating
Max. Case Temperature	°C		65
Max. Power Dissipation	W		30
Distance between Controller	mm (in)		20 (0.8) left/right 50 (2) top/bottom

Dimensions in mm (inch)

Related Documents

Document	Description
User Manual MPC Installation guide E1100-MP/MT	User manual for MPC Controllers (E1100-MP, E1100-MP-HC, E1100-MT, E1100-MT-HC) HW Installation Guide MPC Controllers
User Manual LinMot Talk 1100	User manual for LinMot Talk 1100 PC configuration SW
User Manual MC SW	Description of Motion Control Software (Firmware, Functionality, Commands, Parameters)
User Manual Profibus	Profibus DP Fieldbus Interface Manual
User Manual CANopen	CANopen Fieldbus Interface Manual
User Manual DeviceNet	DeviceNet Fieldbus Interface Manual
User Manual LinRS	LinMot RS232 and RS485 Protocol
User Manual LinCAN	LinMot CANBus Protocol
Installation Guide E1100	HW Installation guide for Series E1100 Controllers
Installation Guide USB-CAN	Installation guide for USB-CAN Converter (multi axes config. with LinMot Talk E1100)

Contact Addresses

LinMot Products are available from more than 80 Distributors worldwide.
Ask us for the Distributor nearest to you:

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Fax. +41 (0)56 419 91 92
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Fax: +1-800-463-8708 or 262-740-0141
email: officeUS@LinMot.com
Web: www.LinMot.com

Ordering Information

Servo Controller	Description		Availability	Art. No.
E1100-MP	Multi Position Controller	72V / 4A	on stock	0150-1661
E1100-MP-HC	Multi Position Controller	72V / 15A	2006	0150-1662
E1100-MT	Multi Trigger Controller	72V / 4A	on stock	0150-1663
E1100-MT-HC	Multi Trigger Controller	72V / 15A	on stock	0150-1664
E1100-RS	RS232, RS485 Controller	72V / 4A	on stock	0150-1677
E1100-RS-HC	RS232, RS485 Controller	72V / 15A	on stock	0150-1678
E1100-CO	CAN Open Controller	72V / 4A	on stock	0150-1681
E1100-CO-HC	CAN Open Controller	72V / 15A	on stock	0150-1682
E1100-DN	DeviceNet Controller	72V / 4A	on stock	0150-1679
E1100-DN-HC	DeviceNet Controller	72V / 15A	on stock	0150-1680
E1130-DP	Profibus DP Controller	72V / 4A	on stock	0150-1667
E1130-DP-HC	Profibus DP Controller	72V / 15A	on stock	0150-1668
E1100-GP	General Purpose Controller	72V / 4A	on stock	0150-1665
E1100-GP-HC	General Purpose Controller	72V / 15A	on stock	0150-1666
Accessories	Description		Availability	Art. No.
S01-72/300	Switched Mode Power Supply	72V / 300W	on stock	0150-1942
S01-72/600	Switched Mode Power Supply	72V / 600W	on stock	0150-1943
SM01-300	Mounting Part for 300W Power Supply		on stock	0150-3040
SM01-600	Mounting Part for 600W Power Supply		on stock	0150-3041
Capacitor	Capacitor 10'000uF/100V	with mounting material	on stock	0150-3075
T01-72/420	Transformer Supply	3x400VAC, 50/60Hz	on stock	0150-1966
T01-72/420-USA	Transformer Supply	3x240VAC, 60Hz	on stock	0150-1967
RR01-10/60	Regeneration Resistor	10R, 60W	on stock	0150-3088
B01-E1100	Control Box for E1100	(incl. cables)	on stock	0150-1970
RS232 PC cable	Cable for RS232 Configuration (9pin DSUB, f/f, 1:1)		on stock	0150-3009
USB-Serial Conv.	USB to RS232 Converter (0.3m, USB-9 pin DSUB, f)		on stock	0150-3110
USB-CAN	USB to CAN Converter		on stock	0150-3134
RJ45-08/0.3	X7/8, X10/11 connection cable (0.3m, EIA/TIA568A)		2006	0150-xxxx
MS01-1/D	Linear Encoder 1um, Incremental AB for E1100		on stock	0150-1840
MB01-1000	Magnetic Strip 1mm pitch	per cm	on stock	0150-1663
M01-E1100/RENC	Break Out Module for Rotary Encoder	- Preliminary -	2006	0150-xxxx