



TECHNICAL DOCUMENT
EPC
SERVO AMPLIFIER MODULE
Part Number L723888-1xx

ELECTRONIC

60

6.3 Specifications

Supply Voltage:	+24VDC (18VDC to 36VDC)
Supply Current (Run):	100mA + Maximum Driver Current
Supply Current (Start-Up):	1200mA
Maximum Driver Output:	+/- 250 mA (Linear) +/- 1000 mA (PWM)
Closed Loop Update Rate:	1600 Hz
Size:	45mm wide × 75mm height × 105mm length 1.77in. wide × 2.95in. height × 4.13in. length (4.53in. length with connector)
Ambient Temperature:	0 °C to +70 °C
Mounting:	DIN EN 50022-35

6.4 IO Summary

Digital Input:	1	Digital High = 5VDC to 36VDC
Digital Output:	1	Vsupply (short circuit protected)
Analog Inputs (General Purpose):	3	Voltage (Potential) mode: +/- 10VDC Current mode: 0 to 20mA or 4 to 20mA (see Note 3)
LVDT Inputs:	1	Approximately 0 to 20VDC
Test Point Output	1	+/- 10VDC (see Note 1)
Programmable Outputs	2	+/- 10VDC (see Notes 1, 2)

Notes:

1. Output signal programmable (refer to Section 5.3)
2. Includes testpoint.
3. A 500Ω resistor is required across the analog input to convert the current into voltage. See Figure 20 for a typical connection for current mode on Analog Input 2.

6.5 Cable Recommendations and Terminal Information

Cable recommendations and terminal information are as follows (equivalent cable may be substituted).

EPC	Connection	Cable Type	Gauge	Belden P/N	Length (max)
Linear	Torque Motor	2 Conductor Shielded	#22 AWG	8761	250 Feet
Linear	LVDT	4 Conductor Shielded	#24 AWG	9729	250 Feet
PWM	Valve	2 Conductor Shielded	#18 AWG	8760	250 Feet
PWM	LVDT	4 Conductor Shielded	#24 AWG	9729	250 Feet

Table 24: Cable Recommendations

Terminal Numbers	Hole Diameter	Gauge
1 - 8	1.3 mm	14 - 26 AWG
11 - 20	1.1 mm	16 - 26 AWG

Table 25: Terminal Information