

MOTOR DRIVES



Flexible, accurate motor drive
Discrete I/O functionality
CAN system integration
Rugged IP67 performance

MODEL NO.	AX100000	AX100050	AX100100	AX100200	AX100300
CONTROL MODE	Speed	Speed	Speed	Speed	Speed
MOTOR TYPE	DC	DC	DC	BLDC	DC
CAN/RS-232	1 SAE J1939 1 RS-232	1 SAE J1939 1 RS-232	1 SAE J1939 1 RS-232	1 SAE J1939 1 RS-232	1 CAN 2.0b 1 RS-232
POWER INPUT	9...36VDC	9...36VDC	9...36VDC	8...60VDC	9...32VDC
INPUTS					
0-5V	4		2	1	1
0-10V	Selectable: 4		Selectable: 2	Selectable: 1	Selectable: 1
0-20mA	Selectable: 4		Selectable: 2	Selectable: 1	Selectable: 1
4-20mA	Selectable: 4		Selectable: 2	Selectable: 1	Selectable: 1
Digital	2	1 Selectable (Enable, Direction, DOUT Control)	Selectable: 2	Selectable: 1	Selectable: 1
PWM D.C. Signal	2		Selectable: 2		Selectable: 1
Frequency/RPM	Selectable: 2		Selectable: 2		
+5V Reference	1	1	1	1	1
Hall Effect Sensors				A, B, C	
OUTPUTS					
Motor Outputs	12/24VDC 150A	12/24VDC 150A	12/24VDC 25A	12/24VDC 25A	12/24VDC 12A
Direction	Bi-directional	Bi-directional	Bi-directional	Unidirectional or bi-directional	Unidirectional
0-5V			1		
Digital Signal	2 (3A)			1 (Battery Voltage Level)	
Proportional Valve	2 (2A)		2 (2A)		
Digital (On/Off Valve)	Selectable: 2 (2A)	1 (2A)	Selectable: 2 (2A)		
Battery Power	1				
Frequency	1				
Indicators	Over CAN				LED's
PACKAGING	IP65 Encapsulated in an aluminum extrusion, 1 3-pin, 2 12-pin, 1 8-pin Deutsch IPD, 1 3-pin B.H., 4 copper rods	IP65 Encapsulated in an aluminum extrusion, 12-pin Deutsch IPD connector, 4 copper rods	IP67 Encapsulated in an aluminum extrusion, 12-pin Deutsch IPD connector	IP67 Encapsulated in an aluminum extrusion, 1 2-pin, 1 3-pin, 1 5-pin, 1 13-pin connectors	IP67 Encapsulated in a stainless steel casing with powder coated steel base, 1 6-pin, 2 4-pin, Deutsch IPD connectors
DIMENSIONS	Contact Axiomatic.	7.20 x 11.43 x 3.00 inches 182.9 x 290.3 x 76.2 mm (W x L x H including connectors, excluding mating connectors)	4.63 x 6.93 x 2.38 inches 117.5 x 176.02 x 60.60 mm (W x L x H excluding mating connectors)	5.50 x 6.77 x 2.39 inches 139.7 x 172.0 x 60.6 mm (W x L x H excluding connectors)	3.55 x 5.00 x 1.30 inches 90.2 x 127.0 x 33.0 mm (W x L x H excludes connectors and mating plugs)
CONFIGURATION	AX070502 Electronic Assistant® (EA) Kit			EA / Tera Term	Tera Term

Selectable: These are user selectable parameters in the PC-based configuration tool Electronic Assistant® (EA).

Contact Axiomatic with application-specific requirements.

Specifications subject to change without notice.

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