AXIOMATIC Global Electronic Solutions

BAuB Grünberg

AX022200: Single Valve Controller

The Single Valve Controller accepts CAN messages to drive a single hydraulic valve up to 2A (proportioanl valve) or 3A (on/off valve). The controller belongs to a family of Axiomatic smart controllers with configurable internal architecture. This provides users with flexibility, allowing them to build their own custom controller with a required functionality from a set of predefined internal functional blocks using the PC-based Axiomatic Electronic Assistant® software tool. Application programming is performed through the CAN interface, without disconnecting the controller from the user's system.

Hydraulic Valve Drivers, Electronic Controllers

Technical Specifications:	Single Valve Controller
Order Code:	P/N: AX022200
Power Supply Input:	12V. 24V or 48VDC nominal (9…60 VDC power supply range)
Outputs:	1 PWM proportional (up to 2A) or On/Off Output (up to 3A) High Side Switch, Current Sensing, Grounded Load The user can select the following options for output using the EA. Output Disable Discrete Output (On, Off) Output Current (PID loop, with current sensing) Output Voltage Output PWM Duty Cycle Overvoltage/undervoltage shutdown of the output load is provided.
Control Logic:	Standard embedded control logic is provided. User programmable functionality using Electronic Assistant®
Communications:	1 CAN port (SAE J1939)
Packaging:	Encapsulated Cast Aluminum housing with mounting holes 4.62 x 1.91 x 1.76 inches (117.30 x 48.56 x 44.73 mm) L x W x H including integral connector
Protection Rating:	IP67 rating for the product assembly
Operating Conditions:	-40 to 85°C (-40 to 185°F)

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Specifications are subject to change without notice