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Data Sheet

August 15, 2026

ADVANCED MOTION CONTROLS

Advanced Motion Controls DX15CO8 Digital Servo Amplifier

Advanced Motion Controls DX15CO8 DigiFlex CANopen Digital Servo Drive The DX15CO8 isaDigiFlex digital PWM servo drive with CANopen (DS301/DSP402). OEM DX15CO8 datasheet lists 24-75 VDC power stage, 15 A peak if heatsink is below 50 C, 8 A continuous, 250 uH minimum inductance, 20 kHz switching, 30 W dissipation at continuous current, 18 V undervoltage / 88 V overvoltage shutdown, 0-65 C heatsink, 20-80 VDC 10 W logic supply, and 7.5-13 VDC 150 mA CAN supply. Size is 8.855 × 4.212 × 1.1 in. Brushed or brushless servo axes in torque, velocity, or position mode on a CANopen network with DriveWare commissioning. The DX15CO8 isaDigiFlex digital PWM servo drive with CANopen (DS301/DSP402). OEM DX15CO8 datasheet lists 24-75 VDC power stage, 15 A peak if heatsink is below 50 C, 8 A continuous, 250 uH minimum inductance, 20 kHz switching, 30 W dissipation at continuous current, 18 V undervoltage / 88 V overvoltage shutdown, 0-65 C heatsink, 20-80 VDC 10 W logic supply, and 7.5-13 VDC 150 mA CAN supply. Size is 8.855 × 4.212 × 1.1 in. Brushed or brushless servo axes in torque, velocity, or position mode on a CANopen network with DriveWare commissioning.



MODEL

Advanced Motion Controls DX15CO8

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

DX15CO8

LISTING

<https://aumictechlabs.com/products/dx15co8-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Advanced Motion Controls DX15CO8 is a digital servo amplifier engineered for precision motion control across industrial automation, robotics, and demanding multi-axis applications. It delivers closed-loop control of brushed DC and brushless AC servo motors in torque, velocity, or position modes, with support for nine feedback technologies and multiple command sources including CAN networking.

Technical Specifications

Motor & Control

Motor types: Brushed DC, Brushless AC servo motors

Operating modes: Torque, velocity, position

Interpolated position mode: Cubic interpolation for multi-axis control via CAN

Homing routine: Home switch input and/or encoder index pulse

Power Stage (DX15CO8, DX15CO8-SRC)

DC supply voltage: 24–75 VDC

Peak current: 15 A (heatsink temperature <50°C)

Maximum continuous current: 8 A

Minimum load inductance: 250 μ H

Four-quadrant regenerative operation supported

Logic Supply

Logic voltage: 7.5 to 13 VDC

Logic current: 150 mA maximum

Input power: 10 W maximum

Key Features

Feedback & Sensing

Dual encoder input, auxiliary encoder input, Hall sensors, tachometer, incremental encoder, absolute encoder (EnDat®, Hiperface®, BiSS® C-Mode), resolver, and 1 Vp-p Sin/Cos encoder support enable flexible sensor integration.

Command Sources

Internal generation, external analog input (± 10 V), auxiliary encoder, preset index table, and CANopen command inputs provide multiple motion instruction methods.

Parameter Management

All drive and motor parameters are stored in non-volatile memory for persistent configuration across power cycles.

Protection

Comprehensive built-in safeguards include over-voltage, under-voltage, over-current, over-temperature with pre-warning, and phase-to-phase/phase-to-ground short-circuit protection.

Interfaces & I/O

Communication CANopen (DS301, DSP-402) with isolated CAN bus interface

DIP-switch configurable CAN address and bit rate selection

Windows-based DigiFlex® DriveWare setup software

Digital I/O 7 programmable isolated digital inputs (sinking; sourcing optional via -SRC variant)

8 programmable isolated digital outputs (sinking)

Dedicated isolated limit and home switch inputs

Analog I/O 3 programmable analog inputs (12-bit resolution)

1 programmable analog output (10-bit resolution)

Monitored signals: Current, velocity, fault status

Compatibility & Integration

The DX15CO8 integrates into CANopen networks for distributed motion control. Dual-loop feedback architecture supports complex servo dynamics. Wide supply voltage tolerance (24–75 VDC) suits diverse industrial power distributions.

DX15CO8 Characteristics / Specifications

PARAMETER	VALUE
Model	DX15CO8
Also Known As	DX15CO8-SRC
Instrument Type	digital PWM servo drive
Family	DigiFlex DX Series
Dc Supply Voltage	24 to 75 VDC
Peak Current	15 A if heatsink temperature is less than 50 C
Continuous Current	8 A
Minimum Load Inductance	250 uH
Switching Frequency	20 kHz
Heatsink Temperature	0 to 65 C, disables at 65 C
Power Dissipation Continuous	30 W
Undervoltage Shutdown	18 VDC
Overvoltage Shutdown	88 VDC
Logic Supply	20 to 80 VDC
Logic Supply Ripple	10 percent maximum
Logic Input Power	10 W max
Can Supply	7.5 to 13 VDC
Can Input Current	150 mA max
Power Connector	screw terminals P1
Motor Feedback Connector	15 pin high density female D-sub P2
Auxiliary Encoder Connector	9 pin female D-sub P3
Io Connector	44 pin high density female D-sub P4
Can Connector	9 pin male D-sub P5
Size	8.855 × 4.212 × 1.1 in
Canopen Profiles	DS301 and DSP402

PARAMETER	VALUE
Operating Modes	torque velocity position
Manufacturer	Advanced Motion Controls
Status	discontinued family with published reserved datasheet

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	DX15C08
Also Known As	DX15C08-SRC
Instrument Type	digital PWM servo drive
Family	DigiFlex DX Series
Dc Supply Voltage	24 to 75 VDC
Peak Current	15 A if heatsink temperature is less than 50 C
Continuous Current	8 A
Minimum Load Inductance	250 uH
Switching Frequency	20 kHz
Heatsink Temperature	0 to 65 C, disables at 65 C
Power Dissipation Continuous	30 W
Undervoltage Shutdown	18 VDC
Overvoltage Shutdown	88 VDC
Logic Supply	20 to 80 VDC
Logic Supply Ripple	10 percent maximum
Logic Input Power	10 W max
Can Supply	7.5 to 13 VDC
Can Input Current	150 mA max
Power Connector	screw terminals P1
Motor Feedback Connector	15 pin high density female D-sub P2
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Io Connector	44 pin high density female D-sub P4
Can Connector	9 pin male D-sub P5
Size	8.855 x 4.212 x 1.1 in
Canopen Profiles	DS301 and DSP402
Operating Modes	torque velocity position

PARAMETER	VALUE
Manufacturer	Advanced Motion Controls
Status	discontinued family with published reserved datasheet

Notes
From Advanced Motion Controls DX15C08 / DX15C08-SRC DigiFlex CANopen datasheet power-stage, logic, CAN, and connector tables.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.