

XEM-DP16H2 Cut Sheet



LS Electric XGB PLC, 24 VDC required, Ethernet, serial and USB B ports, Discrete Input: 8-point, DC, Discrete Output: 8-point, sourcing, 4 high-speed input point(s), 2 high-speed output point(s).

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/XEM-DP16H2>

Technical Specifications

Brand	LS Electric XGB	Nominal Output Voltage	12-24 VDC
Item	PLC	Discrete Output Type	Sourcing
Total Memory	544 KB	Load Current	(2) 0.1A/point, (6) 0.5A/point
Program Memory	384 KB	Number of Non-Isolated Discrete Output Commons	1
User Data Memory	160 KB	Number of Points per Discrete Output Common	8
Programming Language	IEC 61131-3 ladder, structured text, sequential function chart and instruction list	Maximum Switching Frequency	200 kHz
Programming Software	XG5000 programming software v4.77 or later	Maximum Number of PID Loops	16
Communication Port and Connection Type(s)	<ul style="list-style-type: none">• (1) Ethernet 10/100Base-T (RJ45)• (1) RS-232/RS-485 (5-pin terminal)• (1) miniB-USB	Number of High-Speed Capable Input Points	4
Port Protocol(s)	<ul style="list-style-type: none">• Modbus RTU Master/Slave• Modbus ASCII Master/Slave• Modbus TCP Client/Server• LS XGT protocol Client/Server• programming and monitoring	High-Speed Counter(s)	<ul style="list-style-type: none">• up to (4) up counters• up to (4) down counters• up to (2) up/down counters• up to (2) pulse/direction (bi-directional) counters• up to (2) quadrature (A and B) counters
Port Speed(s)	<ul style="list-style-type: none">• 10/100 Mbps• up to 115.2k baud	Frequency Measurement	<ul style="list-style-type: none">• up to (4) up counters• up to (4) down counters• up to (2) up/down counters• up to (2) pulse/direction (bi-directional) counters• up to (2) quadrature (A and B) counters
Real Time Clock/Calendar	Yes	Interrupt(s)	<ul style="list-style-type: none">• up to (16) cycle time interrupts• up to (8) external input interrupts• up to (16) internal device interrupts• up to (4) high-speed counter interrupts• up to (1) positioning interrupt
Retentive Memory	Yes	Number of High-Speed Capable Output Points	2
Battery Backup	No	Output Pulse Mode(s)	up to (2) PTO pulse/direction outputs
Maximum Expansion Modules Allowed	7		
External Power Requirement	24 VDC		
Number of Discrete Input Points	8		
Nominal Input Voltage	24 VDC		
Voltage Type	DC		
Discrete Input Type	Sinking/sourcing		
Number of Non-Isolated Discrete Input Commons	1		
Number of Points per Discrete Input Common	8		
Frequency Response	200 kHz		
Number of Discrete Output Points	8		

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Axis Profile(s)	<ul style="list-style-type: none">• relative/absolute positioning• velocity mode• trapezoid• S-curve• electronic gearing• camming• following• homing• jogging• inching• teach functions• linear interpolation• ellipse interpolation• helical interpolation• software limit switches• online edit• x-y trend view
Includes	I/O terminal blocks, 3-wire power cable and 5-pin serial communication terminal block
Dangerous Goods	<ul style="list-style-type: none">• Battery Installed: Yes (not user replaceable)• Packaging Instructions: 970• UN Number: UN3091• Hazard Type: Lithium Batteries• Battery Type: Coin• Lithium Content: 0.01

Agency Approvals

UL Listed File #	E124950
UL Recognized File #	None
UL Hazardous File #	None
CE	View CE declarations
CSA File #	None
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document

Dimensional Drawings



2D Drawing PDF Link:
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