

# XEM-DN32H2 Cut Sheet



LS Electric XGB PLC, 24 VDC required, Ethernet, serial and USB B ports, Discrete Input: 16-point, DC, Discrete Output: 16-point, sinking, 4 high-speed input point(s), 4 high-speed output point(s). Requires XTB-40H terminal block and C40HH-xxSB-XBI cable.

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



<https://www.automationdirect.com/pn/XEM-DN32H2>

## Technical Specifications

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

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|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Axis Profile(s)</b> | <ul style="list-style-type: none"><li>• relative/absolute positioning</li><li>• velocity mode</li><li>• trapezoid</li><li>• S-curve</li><li>• electronic gearing</li><li>• camming</li><li>• following</li><li>• homing</li><li>• jogging</li><li>• inching</li><li>• teach functions</li><li>• linear interpolation</li><li>• ellipse interpolation</li><li>• helical interpolation</li><li>• software limit switches</li><li>• online edit</li><li>• x-y trend view</li></ul> |
| <b>Includes</b>        | 3-wire power cable and 5-pin serial communication terminal block                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Requires</b>        | XTB-40H terminal block and C40HH-xxSB-XBI cable                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Agency Approvals

|                             |                                        |
|-----------------------------|----------------------------------------|
| <b>UL Listed File #</b>     | E124950                                |
| <b>UL Recognized File #</b> | None                                   |
| <b>UL Hazardous File #</b>  | None                                   |
| <b>CE</b>                   | <a href="#">View CE declarations</a>   |
| <b>CSA File #</b>           | None                                   |
| <b>RoHS Status</b>          | Yes (See CE Doc)                       |
| <b>EU REACH</b>             | <a href="#">View EU REACH document</a> |