



# XGB Accessories

## Smart Link I/O System

The Smart Link I/O system is a breakout wiring system used for high density I/O modules in the LS Electric XGB PLC series. The system is required for all modules with a 40-pin connection, and consists of a Smart Link cable with an XTB-40H terminal block.

Download module specific XTB-40H Terminal Label Printouts here: [Terminal Printouts](#)



| Part Number                           | Price   | Description   | Length | Compatible With   |
|---------------------------------------|---------|---|--------|---|
| <a href="#"><u>XTB-40H</u></a>        | \$20.00 | LS Electric XGB terminal block, 40-pin screw type. For use with LS Electric XGB series high-density modules.  | n/a    | All LS XGB series PLCs and modules with 40-pin connectors |
| <a href="#"><u>XTB-40H-LABEL</u></a>  | \$3.00  | AutomationDirect terminal label sheet, printed with terminal names for LS Electric XGB series modules. Package of 8. For use with XTB-40H terminal block. | n/a    |   |
| <a href="#"><u>C40HH-05SB-XBI</u></a> | \$22.00 | LS Electric XGB PLC I/O cable, 1.6ft/0.5m cable length, 40-pin connector to 40-pin connector. For use with LS Electric XGB series high-density modules.   | 0.5 m  |   |
| <a href="#"><u>C40HH-10SB-XBI</u></a> | \$25.00 | LS Electric XGB PLC I/O cable, 3.2ft/1m cable length, 40-pin connector to 40-pin connector. For use with LS Electric XGB series high-density modules.     | 1m     |   |
| <a href="#"><u>C40HH-15SB-XBI</u></a> | \$29.00 | LS Electric XGB PLC I/O cable, 4.9ft/1.5m cable length, 40-pin connector to 40-pin connector. For use with LS Electric XGB series high-density modules.   | 1.5 m  |   |
| <a href="#"><u>C40HH-20SB-XBI</u></a> | \$36.00 | LS Electric XGB PLC I/O cable, 6.5ft/2m cable length, 40-pin connector to 40-pin connector. For use with LS Electric XGB series high-density modules.     | 2m     |   |
| <a href="#"><u>C40HH-30SB-XBI</u></a> | \$42.00 | LS Electric XGB PLC I/O cable, 9.8ft/3m cable length, 40-pin connector to 40-pin connector. For use with LS Electric XGB series high-density modules.     | 3m     |   |

| XTB-40H Specifications |  |               |
|------------------------|--|---------------|
| Number of Pins         | 40 pin                                   |               |
| Terminal Pitch         | 7.0 mm                                   |               |
| Connector Type         | MIL-C-83503<br>(50P polarity guide: 2EA) |               |
| Applicable Wires       | AWG22-16 (1.5mm <sup>2</sup> /MAX)       |               |
| Insulation Resistance  | 100MΩ (500VDC)                           |               |
| Dielectric Strength    | 500VAC 1 minute                          |               |
| Screw                  | M3 x 8L                                  |               |
| Screw Torque           | 1.2N•m (12kgf•cm)                        |               |
| Ambient Temperature    | -10°C to +50°C (no freezing)             |               |
| Material               | Case                                     | Modified PPO  |
|                        | Protective Cover                         | Polycarbonate |
|                        | PCB                                      | Epoxy 1.6t    |

## Smart Link I/O System, Terminals and Cable Connections

| Module to Cable to Terminal Pinouts |   |                  |
|-------------------------------------|---|------------------|
| Module Pins                         | C40HH-xxSB-XBI  | XTB-40H Terminal |
| B20                                 | <p>HIROSE<br/>HIF3BA-40D-2.54R</p> <p>HIROSE<br/>HIF3BA-40D-2.54R</p> | A1               |
| B19                                 |   | B1               |
| B18                                 |   | A2               |
| B17                                 |   | B2               |
| B16                                 |   | A3               |
| B15                                 |   | B3               |
| B14                                 |   | A4               |
| B13                                 |   | B4               |
| B12                                 |   | A5               |
| B11                                 |   | B5               |
| B10                                 |   | A6               |
| B09                                 |   | B6               |
| B08                                 |   | A7               |
| B07                                 |   | B7               |
| B06                                 |   | A8               |
| B05                                 |   | B8               |
| B04                                 |   | A9               |
| B03                                 |   | B9               |
| B02                                 |   | A10              |
| B01                                 |   | B10              |
| A20                                 | A11   |                  |
| A19                                 | B11   |                  |
| A18                                 | A12   |                  |
| A17                                 | B12   |                  |
| A16                                 | A13   |                  |
| A15                                 | B13   |                  |
| A14                                 | A14   |                  |
| A13                                 | B14   |                  |
| A12                                 | A15   |                  |
| A11                                 | B15   |                  |
| A10                                 | A16   |                  |
| A09                                 | B16   |                  |
| A08                                 | A17   |                  |
| A07                                 | B17   |                  |
| A06                                 | A18   |                  |
| A05                                 | B18   |                  |
| A04                                 | A19   |                  |
| A03                                 | B19   |                  |
| A02                                 | A20   |                  |
| A01                                 | B20   |                  |