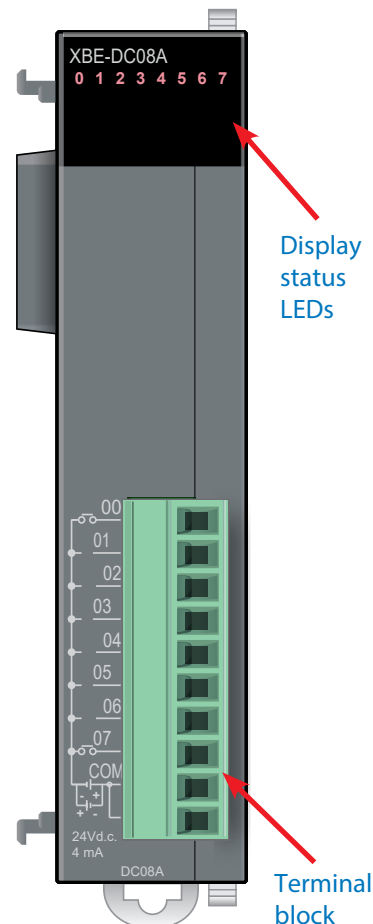


## XBE-DC08A Digital Input Module

XBE-DC08A is a 24VDC 8-point discrete input module that supports sinking or sourcing inputs.

| Part Number      | Price   | Classification       | Description                                                                                                                                      | Drawing             |
|------------------|---------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>XBE-DC08A</b> | \$59.00 | Digital Input Module | LS Electric XGB discrete input module, 8-point, 24 VDC, sinking/sourcing, 1 common(s), 8 point(s) per common. Removable terminal block included. | <a href="#">PDF</a> |

| General Specifications     |          | XBE-DC08A                                                               |
|----------------------------|----------|-------------------------------------------------------------------------|
| Input Point                |          | 8 point                                                                 |
| Insulation Method          |          | Photocoupler insulation                                                 |
| Rated Input Voltage        |          | 24VDC                                                                   |
| Rated Input Current        |          | Approximately 4mA                                                       |
| Operation Voltage Range    |          | 20.4–28.8 VDC (ripple rate <5%)                                         |
| On Voltage/Current         |          | 19VDC or higher / 3mA or higher                                         |
| Off Voltage/Current        |          | 6VDC or less / 1mA or less                                              |
| Input Resistance           |          | Approximately 5.6 kΩ                                                    |
| Response Time              | Off → On | 1/3/5/10/20/70/100 ms (set by CPU parameter)<br>Default: 3ms            |
|                            | On → Off |                                                                         |
| Insulation Pressure        |          | 560VAC rms / 3 Cycle (altitude 2000m)                                   |
| Insulation Resistance      |          | 10MΩ or more by Megohmmeter                                             |
| Common Method              |          | 8 point/ COM                                                            |
| Proper Cable Size          |          | Stranded pair 0.3–0.75mm <sup>2</sup> (external diameter 2.8mm or less) |
| Current Consumption        |          | 40mA (when all point on)                                                |
| Operation Indicator        |          | Input On, LED On                                                        |
| External Connection Method |          | 10-point terminal block connector                                       |
| Weight                     |          | 52g                                                                     |



## XBE-DC08A - Digital I/O Module Configuration

### Direct Variables

The base rack slot number determines the Direct Variable name for the module. Each slot is automatically allocated 64 input points and 64 output points. See the chart below for the actual input Direct Variable assignments used.

For Direct Variable nomenclature explanation, see [Direct Variable User Programming Memory](#).

| Part Number      | PLC Memory Allocation                                       | Actual I/O Direct Variable |
|------------------|-------------------------------------------------------------|----------------------------|
| <b>XBE-DC08A</b> | Input: %IX0.z.0 – %IX0.z.63<br>Output: %QX0.z.0 – %QX0.z.63 | %IX0.z.0 – %IX0.z.7        |

“z” denotes the module slot (2 to 8).

Follow the Quick start video to learn how to Register and Configure any Digital I/O Module [here](#).

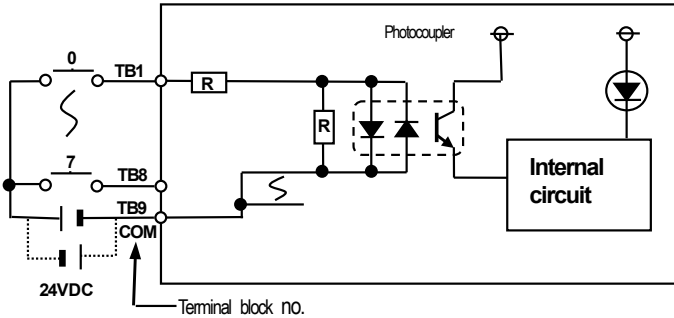
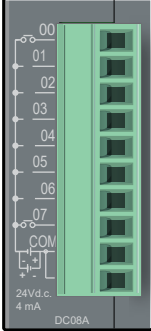
[Digital Module Setup](#)



# XGB Digital Modules

## XBE-DC08A Digital Input Module Wiring

### XBE-DC08A Circuit Configuration

| Circuit Configuration                                                             | Terminal Description | I/O Direct Variable | Terminal Block Image                                                                |
|-----------------------------------------------------------------------------------|----------------------|---------------------|-------------------------------------------------------------------------------------|
|  | 00                   | %IX0.z.0            |  |
|                                                                                   | 01                   | %IX0.z.1            |                                                                                     |
|                                                                                   | 02                   | %IX0.z.2            |                                                                                     |
|                                                                                   | 03                   | %IX0.z.3            |                                                                                     |
|                                                                                   | 04                   | %IX0.z.4            |                                                                                     |
|                                                                                   | 05                   | %IX0.z.5            |                                                                                     |
|                                                                                   | 06                   | %IX0.z.6            |                                                                                     |
|                                                                                   | 07                   | %IX0.z.7            |                                                                                     |
|                                                                                   | COM                  | n/a                 |                                                                                     |
| 24VDC                                                                             | n/a                  |                     |                                                                                     |

Note: Can be wired sinking or sourcing. In the I/O Direct Variable name, z=slot number.