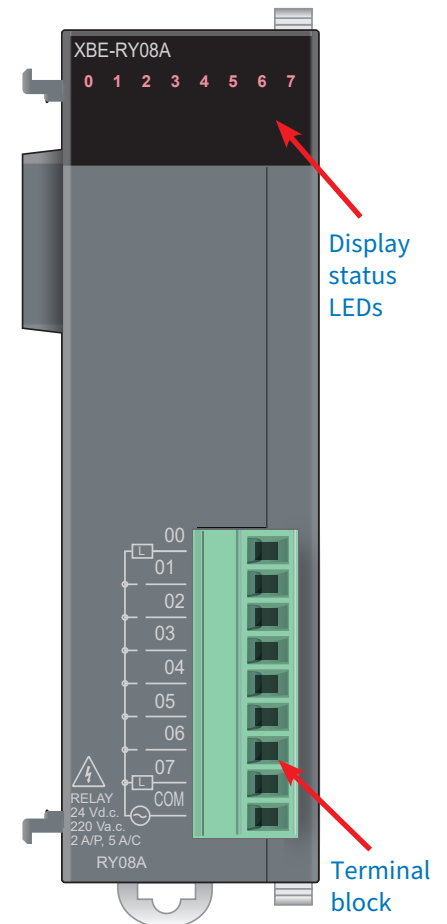


## XBE-RY08A Digital Output Module

XBE-RY08A is an 8-point relay output card where all outputs share 1 common.

| Part Number      | Price   | Classification      | Description                                                                                                                                                            | Drawing             |
|------------------|---------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>XBE-RY08A</b> | \$80.00 | Relay Output Module | LS Electric XGB relay output module, 8-point, 125 VDC/250 VAC, (8) Form A, 1 common(s), 8 point(s) per common, 2A/point, 5A/common. Removable terminal block included. | <a href="#">PDF</a> |

| General Specifications       |                      | XBE-RY08A                                                                  |
|------------------------------|----------------------|----------------------------------------------------------------------------|
| Output Point                 |                      | 8 point                                                                    |
| Insulation Method            |                      | Relay insulation                                                           |
| Rated Load Voltage           |                      | 24VDC (resistive load) / 220VAC (COS $\Psi$ =1), 5A/COM                    |
| Rated Load Current           |                      | 2A                                                                         |
| Minimum Load Voltage/Current |                      | 5VDC / 1mA                                                                 |
| Maximum Load Voltage         |                      | 250VAC, 125VDC                                                             |
| Off-leakage Current          |                      | 0.1 mA (220VAC, 60Hz)                                                      |
| Maximum On/Off Frequency     |                      | 3,600 times/hour                                                           |
| Over Voltage Protection      |                      | None                                                                       |
| Service Life                 | Mechanical           | 20 million times or more                                                   |
|                              | Electrical           | Rated load voltage / current 100,000 times or more                         |
|                              |                      | 200VAC / 1.5 A, 240VAC / 1A (COS $\Psi$ =0.7) 100,000 times or more        |
|                              |                      | 200VAC / 1A, 240VAC / 0.5 A (COS $\Psi$ =0.35) 100,000 times or more       |
| Response Time                | Off $\rightarrow$ On | 10ms or less                                                               |
|                              | On $\rightarrow$ Off | 12ms or less                                                               |
| Common Method                |                      | 8 point / COM                                                              |
| Proper Cable Size            |                      | Standard cable 0.3–0.75 mm <sup>2</sup> (external diameter 2.8 mm or less) |
| Current Consumption          |                      | 220mA (when all point ON)                                                  |
| Operation Indicator          |                      | Output ON, LED ON                                                          |
| External Connection Method   |                      | 9 point terminal block connector                                           |
| Weight                       |                      | 80g                                                                        |



## XBE-RY08A - 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.

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

| Part Number      | PLC Memory Allocation                                       | Actual I/O Direct Variable |
|------------------|-------------------------------------------------------------|----------------------------|
| <b>XBE-RY08A</b> | Input: %IX0.z.0 – %IX0.z.63<br>Output: %QX0.z.0 – %QX0.z.63 | %QX0.z.0 – %QX0.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.

[Digital Module Setup](#)

## XBE-RY08A Circuit Configuration

| Circuit Configuration                                                                                                                                      | Terminal Description | I/O Direct Variable | Terminal Block Image                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|-----------------------------------------------------------------------------------|
|  <p style="text-align: right; margin-right: 50px;">Terminal block no.</p> | 00                   | %QX0.z.0            |  |
|                                                                                                                                                            | 01                   | %QX0.z.1            |                                                                                   |
|                                                                                                                                                            | 02                   | %QX0.z.2            |                                                                                   |
|                                                                                                                                                            | 03                   | %QX0.z.3            |                                                                                   |
|                                                                                                                                                            | 04                   | %QX0.z.4            |                                                                                   |
|                                                                                                                                                            | 05                   | %QX0.z.5            |                                                                                   |
|                                                                                                                                                            | 06                   | %QX0.z.6            |                                                                                   |
|                                                                                                                                                            | 07                   | %QX0.z.7            |                                                                                   |
| COM                                                                                                                                                        | n/a                  |                     |                                                                                   |

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