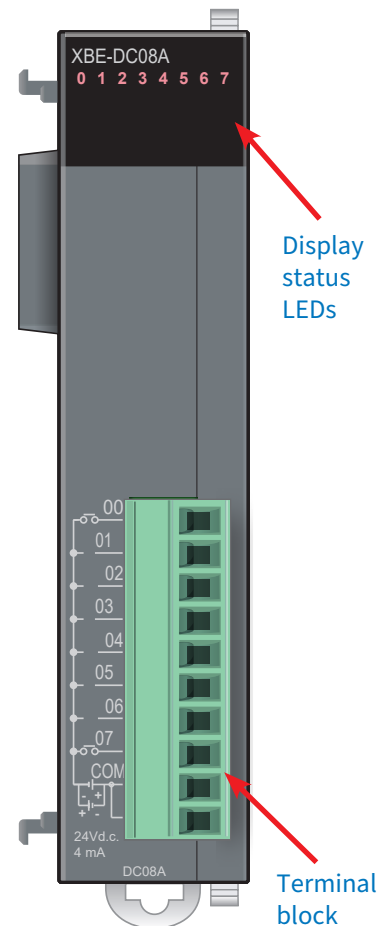


XBE-DC08A Digital Input Module

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

Part Number	Price	Classification	Description	Drawing
XBE-DC08A	\$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.	PDF

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) 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 ² (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
XBE-DC08A	Input: %IX0.z.0 – %IX0.z.63 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](#)

XBE-DC08A Digital Input Module Wiring

XBE-DC08A Circuit Configuration			
Circuit Configuration	Terminal Description	I/O Direct Variable	Terminal Block Image
<p>Terminal block no.</p>	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.