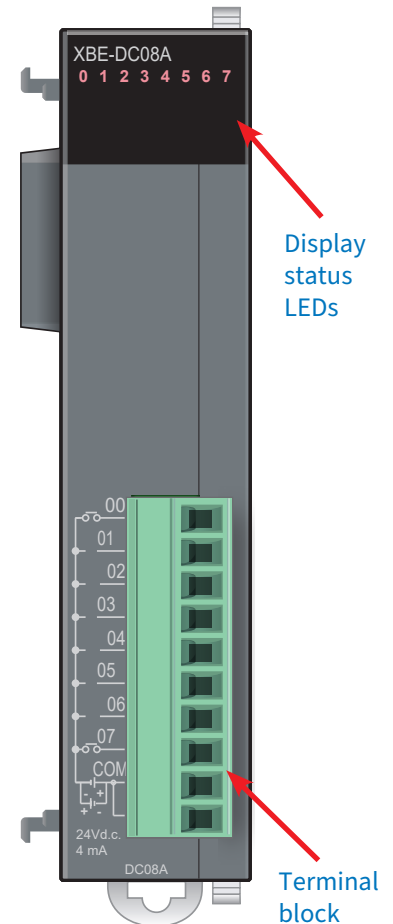


XBE-DC08A Digital Input Module

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

Part Number	Price	Classification	Description	Drawing
<u>XBE-DC08A</u>	\$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.	<u>PDF</u>

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
<u>XBE-DC08A</u>	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](#)



XGB Digital Modules

XBE-DC08A Digital Input Module Wiring

XBE-DC08A Circuit Configuration

Circuit Configuration	Terminal Description	I/O Direct Variable	Terminal Block Image
Terminal block no.	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.