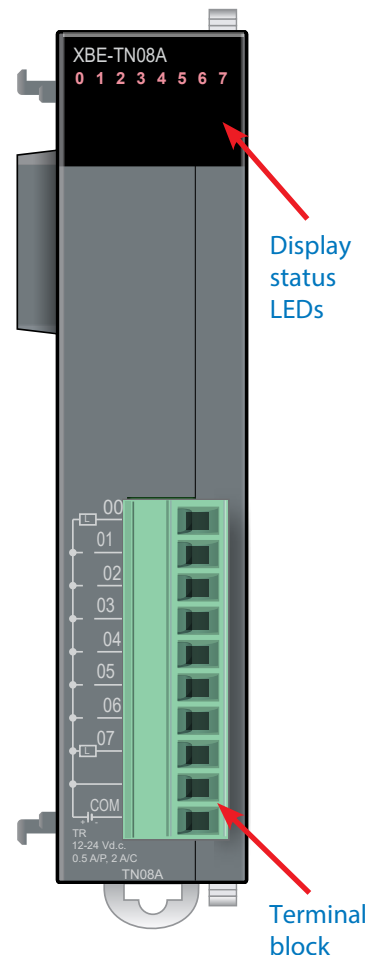


XBE-TN08A Digital Output Module

XBE-TN08A is an 8-point sinking discrete output module that supports 12VDC – 24 VDC.

Part Number	Price	Classification	Description	Drawing
XBE-TN08A	\$60.00	Digital Output Module	LS Electric XGB discrete output module, 8-point, 12-24 VDC, sinking, 1 common(s), 8 point(s) per common, 0.5A/point, 2A/common. Removable terminal blocks included.	PDF

General Specifications		XBE-TN08A
Input Point		8 point
Insulation Method		Photocoupler insulation
Rated Load Voltage		12/24 VDC
Load Voltage Range		10.2–26.4 VDC
Maximum Load Current		0.5 A/1 point
Off Leakage Current		0.1 mA or less
Maximum Inrush Current		4A/10ms or less
Maximum Voltage Drop (On)		0.4 VDC or less
Over Voltage Protection		Zener Diode
Response Time	Off → On	1ms or less
	On → Off	1ms or less (Rated load, resistive load)
Common Method		8 point/COM
Proper Cable Size		Stranded cable 0.3–0.75 mm ² (external diameter 2.8 mm or less)
Current Consumption		40mA (when all points On)
External Power Supply	Voltage	12/24 VDC ± 10% (ripple voltage 4 Vp-p or less)
	Current	10mA or less (24VDC connection)
Operation Indicator		Output ON, LED ON
External Connection Method		10 point terminal block connector
Weight		52g



XBE-TN08A - 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-TN08A	Input: %IX0.z.0 – %IX0.z.63 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](#)



XGB Digital Modules

XBE-TN08A Digital Output Module Wiring

XBE-TN08A Circuit Configuration

Circuit Configuration	Terminal Description	I/O Direct Variable	Terminal Block Image
12/24 VDC Terminal block no.	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	
	(no label, 12/24V)	n/a	
	COM	n/a	

Note: In the I/O Direct Variable name, **z**=slot number.