

7.4 Digital Input Module Specification

7.4.1 8 point DC24V input module (Source/Sink type)

Model		DC input module		
Specification		XBE-DC08A		
Input point		8 point		
Insulation method		Photo coupler insulation		
Rated input voltage		DC24V		
Rated input current		About 4 mA		
Operation voltage range		DC20.4~28.8V (ripple rate < 5%)		
On Voltage/Current		DC19V or higher / 3 mA or higher		
Off Voltage/Current		DC6V or less / 1 mA or less		
Input resistance		About 5.6 kΩ		
Response time	Off → On	1/3/5/10/20/70/100 ms (set by CPU parameter) Default: 3 ms		
	On → Off			
Insulation pressure		AC560Vrms / 3Cycle (altitude 2000m)		
Insulation resistance		10 MΩ or more by Megohmmeter		
Common method		8 point / COM		
Proper cable size		Stranded pair 0.3~0.75 mm ² (External diameter 2.8 mm or less)		
Current consumption		30 mA (when all point On)		
Operation indicator		Input On, LED On		
External connection method		9 point terminal block connector		
Weight		52 g		
Circuit configuration		No.	Contact	Type
<p>The diagram shows a terminal block with terminals TB1, TB8, TB9, and COM. TB1 is connected to a switch and a resistor (R). TB8 and TB9 are connected to a common terminal (COM). A DC24V source is connected to the terminal block. The circuit includes a photo coupler and an internal circuit with an LED indicator.</p>		TB1	0	
		TB2	1	
		TB3	2	
		TB4	3	
		TB5	4	
		TB6	5	
		TB7	6	
		TB8	7	
		TB9	COM	