

Input specifications		
Input type		DC input (positive/negative shared common type)
Number of input points		32 points
Rated input voltage		24 V DC (ripple ratio: within 5 %) (allowable voltage range: 19.2...26.4 V DC)
Rated input current		Approx. 7 mA
Maximum number of simultaneous input points		100 %
ON voltage/ON current		14 V or more/3.5 mA or more
OFF voltage/OFF current		6 V or less/1.7 mA or less
Input resistance		Approx. 3.3 kΩ
Input response time	OFF to ON	1.5 ms or less (24 V DC)
	ON to OFF	1.5 ms or less (24 V DC)
Input common terminal arrangement		32 points/common (1-wire, terminal block type)
Input isolation method		Photocoupler
Common specifications		
Dielectric withstand voltage		Between all DC external terminals and ground: 500 V AC for 1 minute
Insulation resistance		Between all DC external terminals and ground: 10 MΩ or higher by 500 V DC insulation resistance tester
Protection degree		IP2X
Station type		Remote I/O station
Number of occupied stations		1 station
Module power supply	Voltage	20.4...26.4 V DC (ripple ratio: within 5 %)
	Current	45 mA or less (at 24 V DC, all points ON)
External interface		Communication part, module power supply part: 7-point two-piece terminal block (M3 screw) I/O power supply part, I/O part: 34-point direct-mount terminal block (M3 screw)
External dimensions	Height	50 mm
	Width	179 mm
	Depth	40 mm
Weight		0.25 kg

General specifications

Operating ambient temperature			0...55 °C
Storage ambient temperature			-20...75 °C
Operating ambient humidity			10...90 %RH, non-condensing
Storage ambient humidity			10...90 %RH, non-condensing
Vibration resistance	Compliant with JIS B 3502 and IEC 61131-2	Under intermittent vibration	Frequency: 5...8.4 Hz, Half amplitude: 3.5 mm Frequency: 8.4...150 Hz, Constant acceleration: 9.8 m/s ² Sweep count: 10 times each in X, Y, Z directions
		Under continuous vibration	Frequency: 5...8.4 Hz, Half amplitude: 1.75 mm Frequency: 8.4...150 Hz, Constant acceleration: 4.9 m/s ²
Shock resistance			Compliant with JIS B 3502 and IEC 61131-2 (147 m/s ² , 3 times each in 3 directions X, Y, Z)
Operating atmosphere			No corrosive gases
Operating altitude			0...2000 m
Installation location			Inside a control panel
Overvoltage category			II or less
Pollution degree			2 or less