

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 <sup>2</sup> 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 <sup>2</sup>
Shock resistance	Compliant with JIS B 3502 and IEC 61131-2 (147 m/s <sup>2</sup> , 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		