

Digital Inputs Characteristics

Characteristic	Value
Digital input type	Self powered digital input with current limitations as per IEC 61131-2 type 2 standards (7 mA)
Input limit values at state 1 (close)	19.8–25.2 Vdc
	6.1–8.8 mA
Input limit values at state 0 (open)	0–19.8 Vdc
	0 mA
Maximum cable length	10 m (33 ft) NOTE: For a length between 10 m (33 ft) and 300 m (1,000 ft), it is mandatory to use a shielded twisted cable. The shield cable is connected to the functional ground of the IO module.

Digital Outputs Characteristics

Characteristic	Value
Digital output type	Bistable relay
Rated load	5 A at 250 Vac
Rated carry current	5 A
Maximum switching voltage	380 Vac, 125 Vdc
Maximum switch current	5 A
Maximum switching power	1250 VA, 150 W
Minimum permissible load	10 mA at 5 Vdc
Contact resistance	30 mΩ
Maximum operating frequency	<ul style="list-style-type: none"> ● 18000 operations/hr (mechanical) ● 1800 operations/hr (electrical)
Digital output relay protection	External fuse of 5 A or less
Maximum cable length	10 m (33 ft)

Analog Inputs Characteristics

The IO module analog input can be connected to a Pt100 temperature sensor.

Characteristic	Values	
Range	-30 to 200 °C	-22 to 392 °F
Accuracy	<ul style="list-style-type: none"> ● ± 2 °C from -30 to 20 °C ● ± 1 °C from 20 to 140 °C ● ± 2 °C from 140 to 200 °C 	<ul style="list-style-type: none"> ● ± 3.6 °F from -22 to 68 °F ● ± 1.8 °F from 68 to 284 °F ● ± 3.6 °F from 284 to 392 °F
Refresh interval	5 seconds	5 seconds