FDNQ-S0404G-MM



FDNQ-S0404G-MM

- Advanced DeviceNet[™] station
- Four discrete inputs and four discrete outputs

Applications

- For wet or dry environments
- For use with 3-wire proximity and photoelectric sensors, and four discrete actuators

Features

- PNP short-circuit protected inputs
- 0.5 amp short-circuit protected outputs
- Glass filled nylon with nickel plated brass connectors
- · Rotary address switches

This station provides two pinput connectors on the left and two output connectors on the right. All outputs are powered by Auxiliary Power.

Each input connector provides V+, V- and input. The V+provides power to the attached sensor. The V+ is short-circuit protected and monitored as a group. The input will work with a PNP sensor or dry contact to V+.

Each output connector provides Aux- and output. Outputs are individually short-circuit protected, but monitored as a group.

The node address can be set using the rotary switches located under the device cover or through software node commissioning. The unit automatically detects the communication rate.

The FDNQ-S0404G-MM supports explicit messaging, polled, change of state, and cyclic I/O messages. These connections are established through UCMM or predefined master/slave connection set.

Recommended Cordsets: Bus Line: RSM RKM 579-*M Auxiliary Power: RSM RKM 47-*M Inputs / Outputs: VB2 4.4T-1/-2RK 4T-*/*/S651 or RK 4.4T-*-RS 4.4T Bus T: RSM 2RKM 57/C1125 Auxiliary Power T: RSM 2RKM 40

Dimensions



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Connectors





I/O Data Mapping

Item Number F0156 Product Type / Code: 7/2481

Input Data	Byte	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	0	IGS	OGS	-	-	I-3	I-2	I-1	I-0
Output Data	Byte	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit O
	0	-	-	-	-	O-3	O-2	O-1	O-0

Abbreviations

I = Input Data (0=OFF, 1=ON) IGS = Input Group Status (0=Working, 1=Fault) O = OutputData (0=OFF, 1=ON) OGS = Output Group Status (0=Working, 1=Fault)

Module Specifications

Supply Voltage

Bus Power Internal Current Consumption Auxiliary Power 11-26 VDC <75 mA, plus sum of sensor and output currents (from bus power) 18-26 VDC

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Input Circuits	(4) PNP 3-wire sensors or dry contacts				
Input Voltage (V+)	11-26 VDC (from bus power)				
Input Short-Circuit (V+)	<700 mA (total, short-circuit protected)				
Input Signal Current (I)	OFF < 2 mA				
land Delay	ON 3.0-3.4 mA at 24 VDC				
Input Delay	2.5 ms				
Output Circuits	(4) DC actuators				
Output Voltage	18-26 VDC (from auxiliary power)				
Output Load Current	0.5 A per output (from auxiliary power)				
Maximum Switching Frequency	100 Hz				
I/O LED Indications					
	Off = No connection				
	Green = Active				
Module/Network Status LED					
	Off = Power off				
	Green = Connected				
	Flashing Green = Ready for connection Flashing Pad = Connection time out $1/Q$ chart circuit or any power failure				
	Red = Connection not possible				
	Flashing Amber = autobaud				
Auxiliary Power Status LED					
· · ·	Off = Not active				
	Green = Power on				
Address					
	0-63: Address from rotary switches				
	64-79: Address from EEPROM				
	80-99: Reserved				
Housing	148 x 60 x 40 (H x W x D)				
Matorial	Class filled nulen nickel plated brass connectors				
Malerial Enclosure	Glass-tilled nylon, nickel plated brass connectors				
Operating Temperature	-40° to $+70^{\circ}$ C (-40° to 158° E)				
operating remperature					