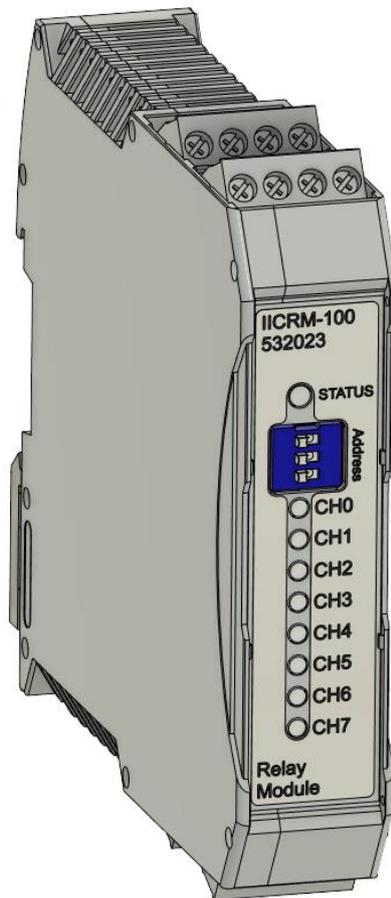


220011 Relay Module

User Manual



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1. Introduction

1.1. Product summary

Relay module to be used with IPRC-100 to add 8 relays to the system.

2. Technical specification

2.1. Mechanical

Mounting

Mounted on 35 mm DIN rail. Connects to external modules via back connect system.



Image 1

Device dimensions

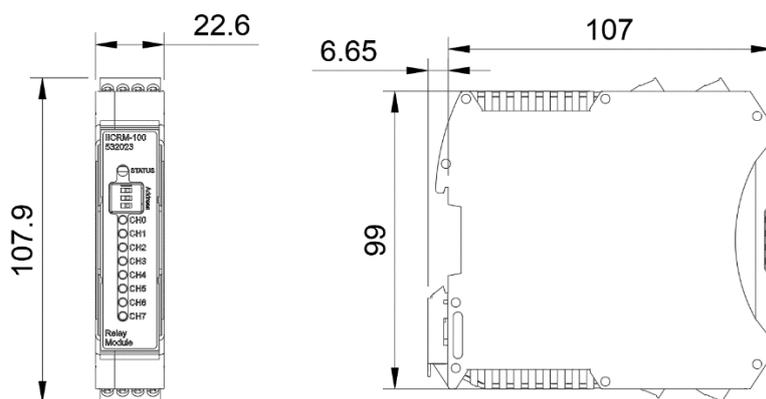


Image 2

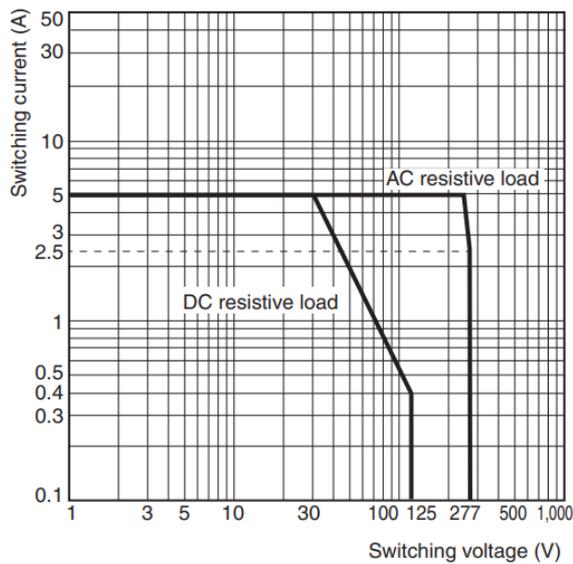
3. Electrical characteristics

Description	Conditions	Min	Typical	Max	Unit
Power supply					
Supply voltage (provided from back plane connectors)		17		30	V
Operating power			1	10	W
Idle current draw (24 V)	Relay not powered		25		mA
Operating conditions					
Operating temperature	non-condensing	0		60	°C
Communications					
Poll interval		1			s
Relay					
Voltage DC resistive load	See Graph 1			30	V
Current DC resistive load	See Graph 1			5	A
Voltage AC resistive load	See Graph 1			250	V _{RMS}
Current AC resistive load	See Graph 1			5	A
Voltage DC inductive load	See Graph 1			30	V
Current DC inductive load	See Graph 1			2	A
Voltage AC inductive load	See Graph 1			250	V _{RMS}
Current AC inductive load	See Graph 1			2	A

Table 1

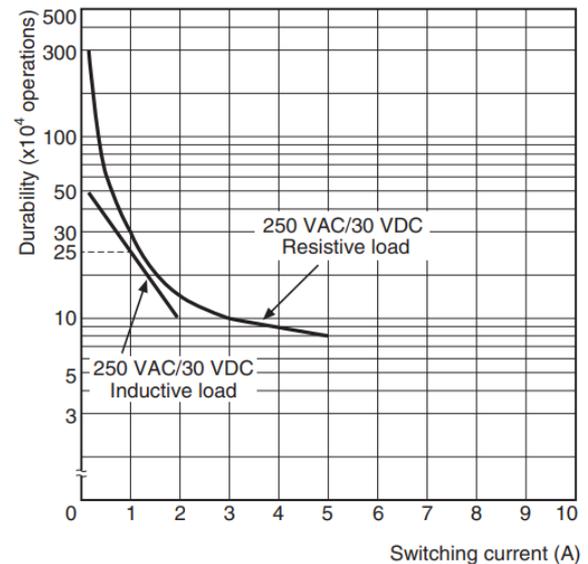
3.1. Graphs

● G6DN-1A, G6DN-1A-L



Graph 1

● G6DN-1A



3.2. Circuit

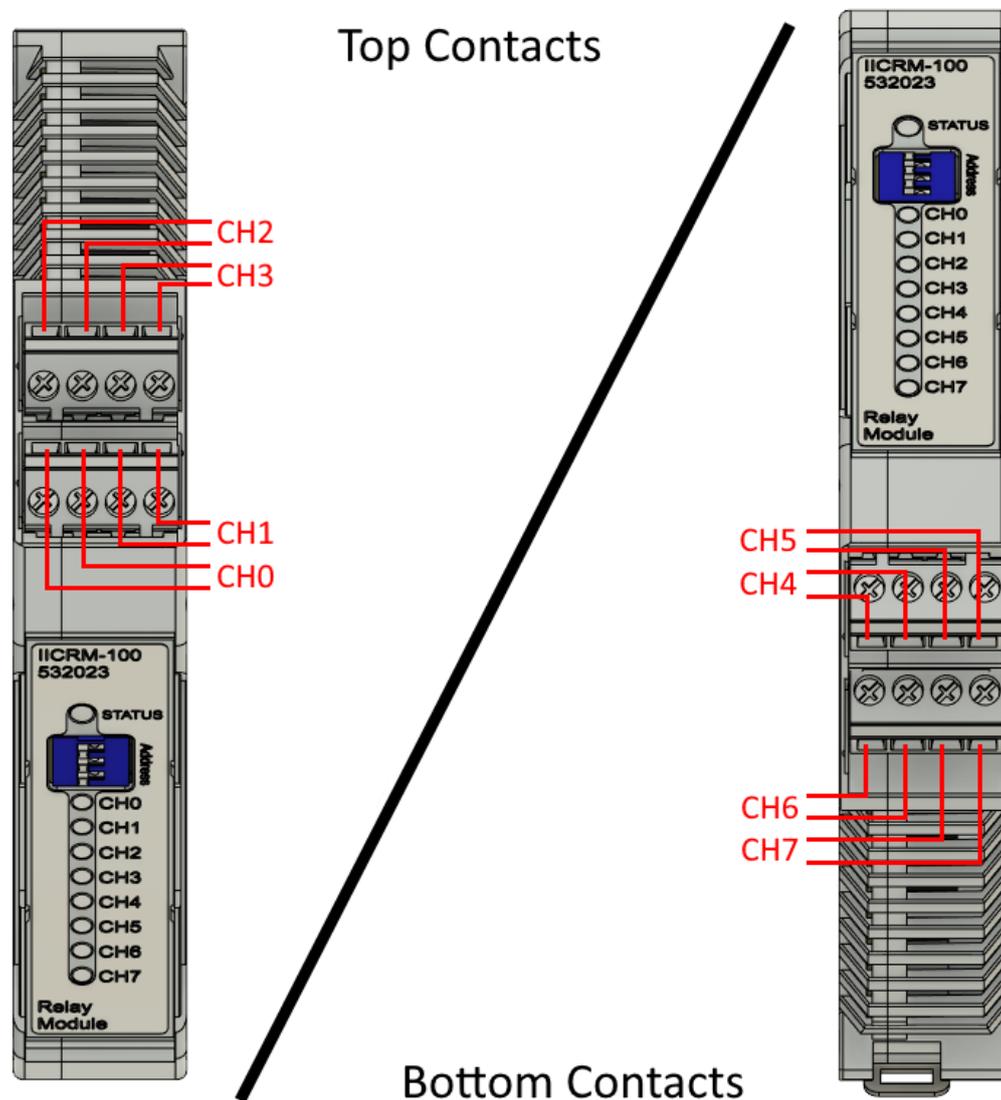


Image 3

3.3. Relay

Monostable relay, will return to relaxed position on power down. Returns to previous state on next boot up.

3.4. LEDs

Each channel has an **indicator LED** in the front panel. The LED will be lit if the relay is in active state.

Status LED will be lit green when the module is powered up and ready to receive commands.

3.5. Power input

Power is supplied to the controller unit IPRC-100 and distributed to modules via back panel connector. No wiring is needed.

4. Communication

4.1. Address

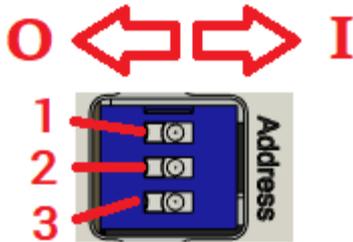


Image 4

Use dip switches illustrated in image 3 to select an address from 0 to 7. Table 2 can be used as reference for the binary coded address.

Table 2

Address	3	2	1
0	0	0	0
1	0	0	1
2	0	1	0
3	0	1	1
4	1	0	0
5	1	0	1
6	1	1	0
7	1	1	1

4.2. Protocol

Refer to IPRC-100 protocol.