

# GENERAL PURPOSE / INTERFACE RELAYS

- AC or DC coil
- I-Series direct DIN-Rail mountable with screw terminals for PLC applications
- M, G, L plug-in relays for DIN-Panel mountable sockets, with lockable test buttons and mechanical flag (M and G)
- LED version available
- Diode module for M-Series and G-Series available

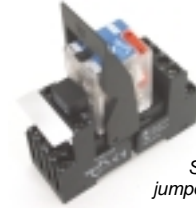
## I-Series



Shown with jumper accessory.



## M-Series



Shown with jumper accessories.



### Contact Specifications

Contact Configurations	SPDT	DPDT; 4PDT
Rated Current	6A	5A
Rated Voltage	250VAC	250VAC
Rated Load	6A @ 250VAC; 6A @ 24VDC	5A @ 250VAC; 5A @ 24VDC
Min Switching Load	192mW	300mW
Contact Material	AgSnO <sub>2</sub>	AgNi

### Coil Specifications

Rated Voltage (DC)	12, 24*	12, 24, 48, 110, 125
Rated Voltage (AC)	24, 110, 230	12, 24, 48, 110, 230
Operating Range	(0.8-1.1)Un	(0.8-1.1)Un
Holding Voltage	0.6Un	0.5Un
Must Drop Voltage AC/DC	0.2Un / 0.1Un	0.2Un / 0.1Un
Power Consumption	0.3-0.6W @ 12/24V 1.8VA @ 230VAC 1W/VA @ 230VAC/DC	0.9W (DC) 1.9VA @ 50Hz 1.6VA @ 60Hz

### General Data

Mechanical Life Cycles	2 x 10 <sup>7</sup>	2 x 10 <sup>7</sup>
Electrical Life Cycles	10 <sup>5</sup>	10 <sup>5</sup>
Operate/Release Time (ms)	7(AC) 6(DC) / 15(AC) 8(DC)	10(AC) 13(DC) / 8(AC) 3(DC)
Insulation Between Coil & Contacts	4kV	2kV
Insulation Between Open Contact	1kV	1kV
Ambient Temperature Range	-40 to 55°C	-40 to 70°C

**Ordering Codes**

I-Series: I 1 L [ ] [ ] [ ] R

**Coil Codes**

- D012 = 12VDC
- D024 = 24VDC
- A230 = 230VAC
- U024 = 24VAC/DC
- U110 = 110VAC/DC
- U230 = 230VAC/DC

*Other coil voltages on request.*

**Ordering Codes**

M-Series: M [ ] [ ] [ ] [ ]

2 = 2 pole  
4 = 4 pole

- = Standard  
L = +LED

**Coil Codes**

- D012 = 12 VDC
- D024 = 24 VDC
- D048 = 48 VDC
- D110 = 110 VDC
- D125 = 125 VDC
- A012 = 12VAC
- A024 = 24VAC
- A048 = 48VAC
- A110 = 110VAC
- A230 = 230VAC

*Other coil voltage on request.*

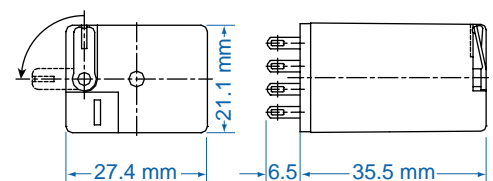
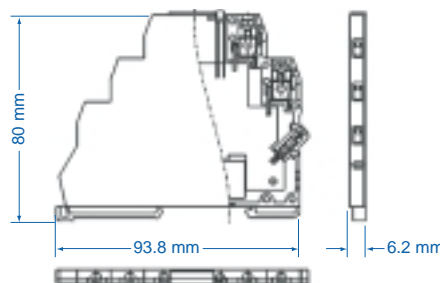
### Accessories

- Socket -
- Retaining Clip -
- Diode Module -
- Jumper Links, 20 pole (red, black, blue) 321-820, 321-821, 321-822

Socket	VM-4T
Retaining Clip	CM-1/MS35
Diode Module	DM-1
Jumper Links, 20 pole (red, black, blue)	-

### Dimensions:

All dimensions are in millimeters.  
To convert to inches, divide by 25.4.



\* 24VAC/DC, 110VAC/DC, 230VAC/DC combination also available

**G-Series**



Shown with jumper accessories.



DPDT; 3PDT  
10A  
250VAC  
10A @ 250VAC; 10A @ 24VDC  
300mW  
AgNi

12, 24, 48, 110, 120  
12, 24, 48, 110, 230  
(0.8-1.1)Un  
0.5Un  
0.15Un / 0.1Un  
1.5W (DC)  
2.5VA @ 50Hz  
2.8VA @ 60Hz

2 x 10<sup>7</sup>  
2 x 10<sup>5</sup>

12(AC) 18(DC) / 12(AC) 7(DC)  
2.5kV  
1.5kV  
-40 to 70°C

**Ordering Codes**

G-Series

08 = 2 pole	11 = 3 pole
- = Standard	L = +LED

**Coil Codes**

D012 = 12VDC	A012 = 12VAC
D024 = 24VDC	A024 = 24VAC
D048 = 48VDC	A048 = 48VAC
D110 = 110VDC	A110 = 110VAC
D125 = 125VDC	A230 = 230VAC

*Other coil voltages on request.*

8p: VG-8T; 11p: VG-11T

CG-1

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**L-Series**



Shown with jumper accessories.



DPDT  
12A  
250VAC  
12A @ 250VAC; 12A @ 24VDC  
300mW  
AgCd0

12, 24, 48, 110, 125  
12, 24, 48, 110, 230  
(0.8-1.1)Un  
0.5Un  
0.2Un / 0.1Un  
1.1W (DC)  
1.6VA @ 50Hz  
1.9VA @ 60Hz

2 x 10<sup>7</sup>  
10<sup>5</sup>

15(AC/DC) / 10(AC/DC)  
2kV  
0.75kV  
-40 to 55°C

**Ordering Codes**

L-Series

L 2	L
2 = 2 pole	L = +LED

**Coil Codes**

D012 = 12VDC	A012 = 12VAC
D024 = 24VDC	A024 = 24VAC
D048 = 48VDC	A048 = 48VAC
D110 = 110VDC	A110 = 110VAC
D125 = 125VDC	A230 = 230VAC

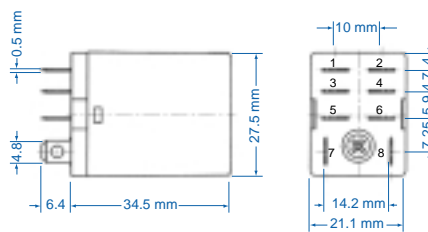
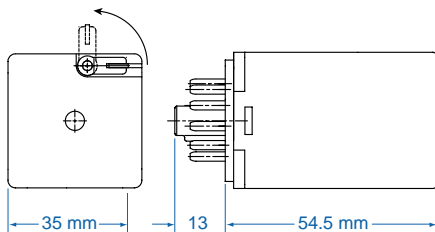
*Other coil voltages on request.*

VL-2

CL-1

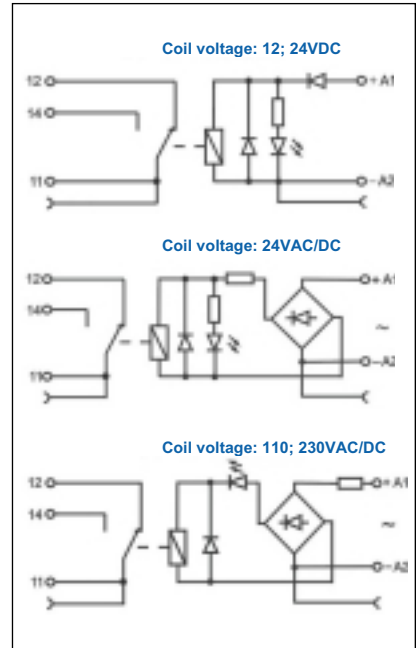
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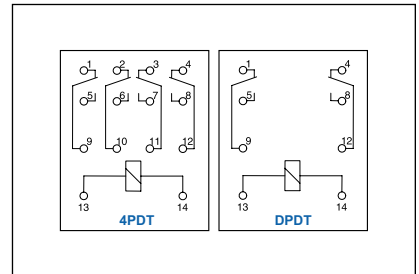


**Wiring Diagrams**

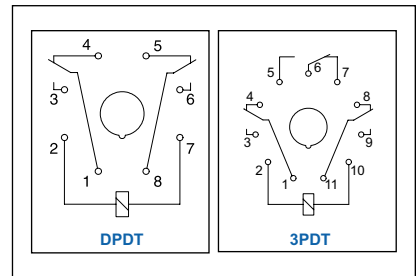
**I-Series**



**M-Series**



**G-Series**



**L-Series**

