

- 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

Contact Specifications

Contact Configurations	SPDT	SPDT	SPDT
Rated Current	6 A	1.2 A	500 mA
Rated Voltage	250 V AC	400 VAC	70 VAC
Rated Load	6A @ 250VAC; 6A @ 24VDC	1.2 A/ 400 VAC	500 mA/ 70 VDC
Min Switching Current	8 mA/ 24 V	8 mA	1 mA
Contact Material	AgSnO ₂	AgSnO ₂	AgSnO ₂

Coil Specifications

Rated Voltage (DC)	12, 24 V*	5...32 V	5-32 V
Rated Voltage (AC)	24, 110, 230	24-230 V	24-230 V
Power Consumption	0.3-0.6W @ 12/24V 1.8VA @ 230VAC	0.3 W 5...32 VDC @ 24V 0.3 W 24 VAC/DC	0.3 W 5...32 VDC @ 24V 0.3 W 24 VAC/DC
	1W/VA @ 230VAC/DC	1.6 W 230 V AC/DC	1.0 W 230 V AC/DC

General Data

Mechanical Life Cycles	2 x 10 ⁷	2 x 10 ⁷	2 x 10 ⁷
Electrical Life Cycles	10 ⁵	10 ⁵	10 ⁵
Operate/Release Time (ms)	7(AC) 6(DC) / 15(AC) 8(DC)	10/10	10/10
Insulation Between Coil & Contacts	4kV	4kV	3kV
Insulation Between Open Contact	1kV	600 VAC	600 VAC
Ambient Temperature Range	-40 to 55°C	-40 to 55°C	-40 to 55°C

Accessories

Jumper Links, 20 pole (red, black, blue)	I1C-20RD	I1C-20BK	I1C-20BL
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Ordering Codes	I1-L Series
	I 1 L [] [] [] R
Coil Codes	
D012	= 12VDC
D024	= 24VDC
A230	= 230VAC
U024	= 24VAC/DC
U110	= 110VAC/DC
U230	= 230VAC/DC
<i>Other coil voltages on request.</i>	

Ordering Codes	I1-T Series
	I 1 T [] [] [] R
Coil Codes	
D032	= 5...32VDC
U024	= 24VAV/DC
U230	= 230VAC/DC
<i>Other coil voltages on request.</i>	

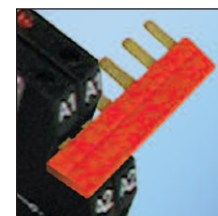
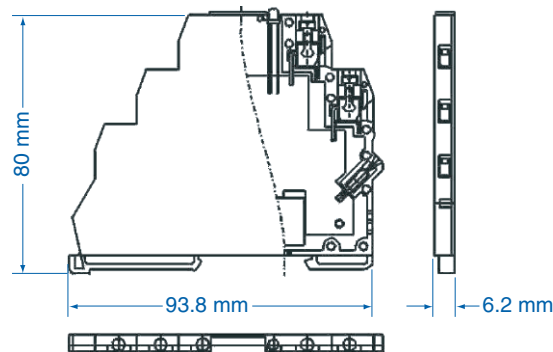
Ordering Codes	I1-OC Series
	I 1 O C [] [] [] R
Coil Codes	
D032	= 5...32VDC
U024	= 24VAV/DC
U230	= 230VAC/DC
<i>Other coil voltages on request.</i>	

Dimensions

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

Wiring Diagram: (page 28)

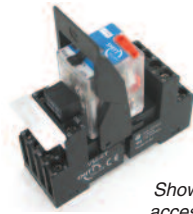
* 24VAC/DC, 110VAC/DC,
230VAC/DC combination also available



I1C-RD (red)
I1C-BK (black)
I1C-20BL (blue)

Shown with
jumper accessory.

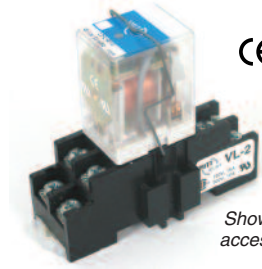
M-Series



Shown with accessories.



L-Series



Shown with accessories.



Contact Specifications

Contact Configurations	DPDT; 4PDT	DPDT
Rated Current	5A	12A
Rated Voltage	250VAC	250VAC
Rated Load	5A @ 250VAC; 5A @ 24VDC	12A @ 250VAC; 12A @ 24VDC
Min Switching Current	300mW	300mW
Contact Material	AgNi	AgCd0

Coil Specifications

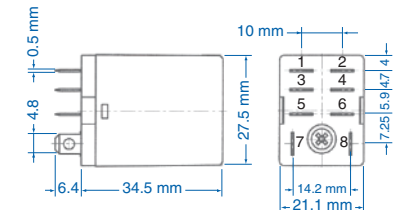
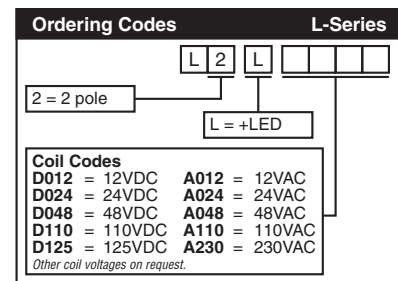
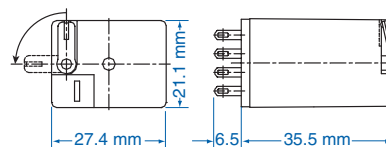
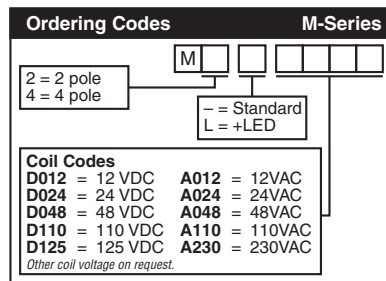
Rated Voltage (DC)	12, 24, 48, 110, 125	12, 24, 48, 110, 125
Rated Voltage (AC)	12, 24, 48, 110, 230	12, 24, 48, 110, 230
Power Consumption	0.9W (DC)	1.1W (DC)
	1.9VA @ 50Hz	1.6VA @ 50Hz
	1.6VA @ 60Hz	1.9VA @ 60Hz

General Data

Mechanical Life Cycles	2 x 10 ⁷	2 x 10 ⁷
Electrical Life Cycles	10 ⁵	10 ⁵
Operate/Release Time (ms)	10(AC) 13(DC) / 8(AC) 3(DC)	15(AC/DC) / 10(AC/DC)
Insulation Between Coil & Contacts	2kV	2kV
Insulation Between Open Contact	1kV	0.75kV
Ambient Temperature Range	-40 to 70°C	-40 to 55°C

Dimensions

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



Accessories

Socket	VM-4T	VL-2
Retaining Clip	CM-1/MS35	CL-1
Diode Module	DM-1	-
Jumper Links, 20 pole (red, black, blue)	-	-

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

G-Series



Shown with accessories.

Contact Specifications

Contact Configurations	DPDT; 3PDT
Rated Current	10A
Rated Voltage	250VAC
Rated Load	10A @ 250VAC; 10A @ 24VDC
Min Switching Current	300mW
Contact Material	AgNi

Coil Specifications

Rated Voltage (DC)	12, 24, 48, 110, 120
Rated Voltage (AC)	12, 24, 48, 110, 230
Power Consumption	1.5W (DC)
	2.5VA @ 50Hz
	2.8VA @ 60Hz

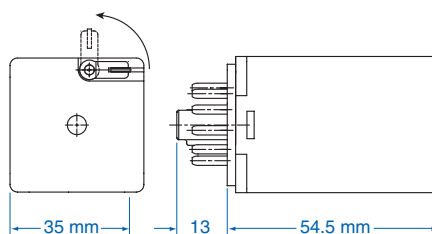
General Data

Mechanical Life Cycles	2×10^7
Electrical Life Cycles	2×10^5
Operate/Release Time (ms)	12(AC) 18(DC) / 12(AC) 7(DC)
Insulation Between Coil & Contacts	2.5kV
Insulation Between Open Contact	1.5kV
Ambient Temperature Range	-40 to 70°C

Dimensions

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

Ordering Codes	
G-Series	G
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.	



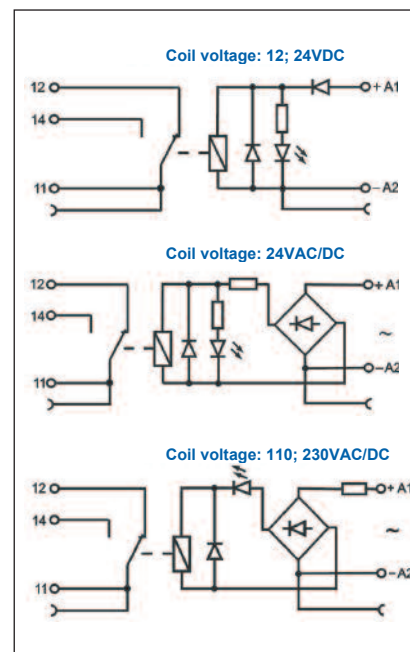
Accessories

Socket	8p: VG-8T; 11p: VG-11T
Retaining Clip	CG-1
Diode Module	-
Jumper Links, 20 pole (red, black, blue)	-

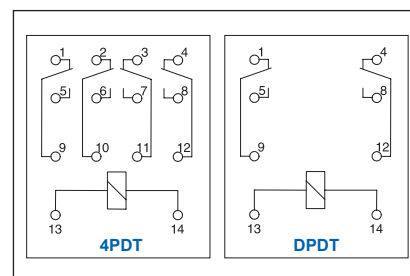
* 24VAC/DC, 110VAC/DC,
230VAC/DC combination also available

Wiring Diagrams

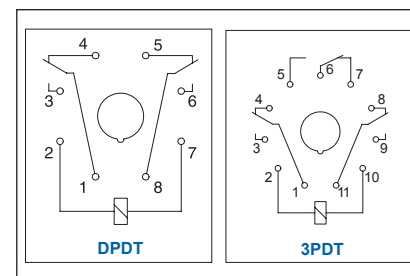
I1-Series



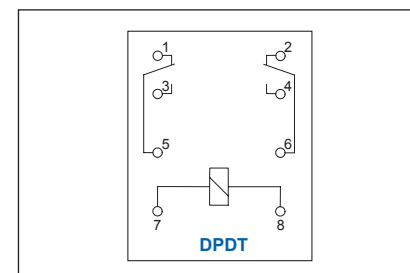
M-Series



G-Series



L-Series



Mouser Electronics

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