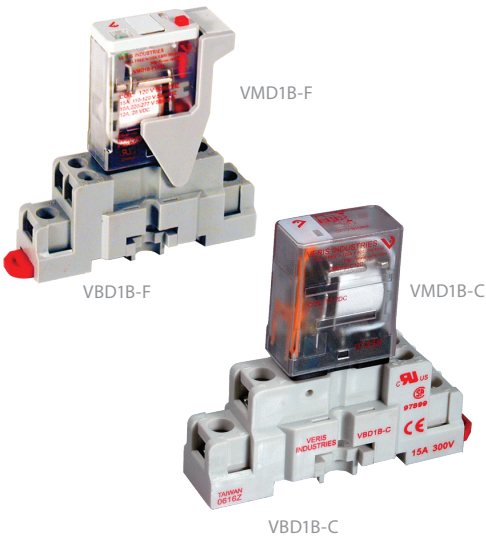


VMD1B-C & VMD1B-F SERIES

Socket Relays in a Wide Range of Coil Voltages



Color-coded pushbutton

Allows manual operation of relay, AC coils red or DC coils blue (-F Series only)

Override lever

When activated, locks push-button and contacts in the powered position (-F Series only)

LED status lamp

Shows coil “ON” or “OFF” status (-F Series only)

Flag indicator

Shows relay status in manual or powered condition (-F Series only)

2-way mounting

Side or DIN rail mounting system...retrofits existing panel mounting and 35 mm DIN rail

Flexible ordering

Relays and sockets sold individually or in kits

The Veris VMD1B-C Series are SPDT blade-style relays for socket/DIN mounting. The DIN-rail compatible VBD1B-C sockets feature finger-safe terminals in a slim, attractive design.

The Veris VMD1B-F Series are full-featured SPDT blade style relays for socket/DIN mounting. The VMD1B-F Series are equipped with an LED for coil proof, a flag for contact proof, an override lever, and a push-to-test button for momentary contact control. The VMD1B-F allows for instant and conclusive troubleshooting. Never wonder if the relay, control system, or wiring is the cause of a problem. The DIN-rail-compatible VBD1B-F sockets feature a slim design with finger-safe terminals and a removable hold-down clip. Never struggle with wire clips again.

SPECIFICATIONS

Operating Temp. Range	-40 to 55 °C (-40 to 131 °F)
Coil Operating Range	85% to 110% of rated voltage
Coil Drop-out Voltage Threshold	15% of rated voltage
Expected Relay Life	Electrical (@ rated current) 100,000 cycles; Mechanical (unpowered) 10,000,000 cycles
Operating Time	20 msec typical
Dielectric Strength	1500 Vac RMS

WARRANTY

Limited Warranty	5 years
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AGENCY APPROVALS

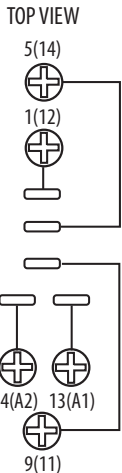


VBD1B SOCKET

Wiring Diagram

Function	NEMA (IEC) Terminal
Coil (+)*	14 (A2)
Coil (-)*	13 (A1)
COMM	9 (11)
N.O.	5 (14)
N.C.	1 (12)

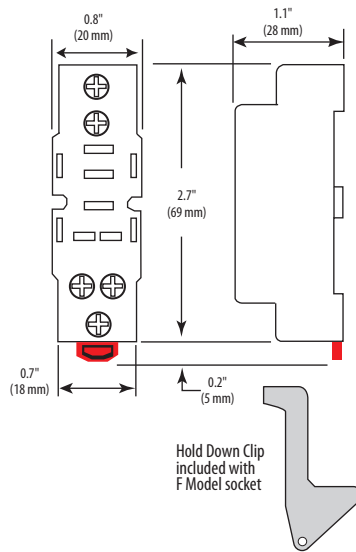
* NOTE: Observe polarity for relays with DC coil voltages only.



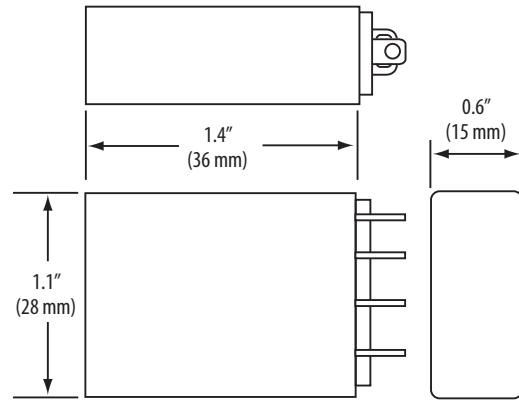
TYPICAL COIL PERFORMANCE	
Power Consumption	
AC Coils	0.9 VA
DC Coils	0.7 VA
CONTACT RATINGS	
Standard (F & C Series)	
Resistive	15 A @ 120 Vac
	15 A @ 277 Vac
	15 A @ 28 Vdc
Motor	1/3 @ 120 Vac
	3/4 @ 277 Vac
Pilot Duty	B300

VMD1B SOCKET

Dimensional Drawing

**VMD1B RELAYS**

Dimensional Drawing

**RELAY ORDERING INFORMATION**

MODEL	RELAY TYPE	AMPERAGE RATING	COIL VOLTAGE	MIN. SWITCHING CURRENT	FULL FEATURED	UL	CE
VMD1B-C12D	SPDT	15 A	12 Vdc	100 mA@5 Vdc		•	•
VMD1B-C24D		15 A	24 Vdc	100 mA@5 Vdc		•	•
VMD1B-C24A		15 A	24 Vac	100 mA@5 Vdc		•	•
VMD1B-C120A		15 A	120 Vac	100 mA@5 Vdc		•	•
VMD1B-F12D		15 A	12 Vdc	100 mA@5 Vdc	•	•	•
VMD1B-F24D		15 A	24 Vdc	100 mA@5 Vdc	•	•	•
VMD1B-F24A		15 A	24 Vac	100 mA@5 Vdc	•	•	•
VMD1B-F120A		15 A	120 Vac	100 mA@5 Vdc	•	•	•

SOCKET ORDERING INFORMATION

MODEL	AMPERAGE RATING	VOLTAGE RATING	FINGER SAFE	HOLD DOWN CLIP	UL	CE
VBD1B-C	15 A	300 V	•		•	•
VBD1B-F			•	•	•	•

Note: When relays and sockets are used together, the amperage rating is the lesser of the two ratings.

RELAY & SOCKET KIT ORDERING INFORMATION

KIT MODEL	RELAY INCLUDED	SOCKET INCLUDED	RELAY TYPE	AMPERAGE RANGE	COIL VOLTAGE	MIN. SWITCHING CURRENT	UL	CE
FKIT-VMD1B-C12D	VMD1B-C12D	VBD1B-F	1PDT	15 A	12 Vdc	100 mA@5 Vdc	•	•
FKIT-VMD1B-C24D	VMD1B-C24D	VBD1B-F	1PDT		24 Vdc	100 mA@5 Vdc	•	•
FKIT-VMD1B-C24A	VMD1B-C24A	VBD1B-F	1PDT		24 Vac	100 mA@5 Vdc	•	•
FKIT-VMD1B-C120A	VMD1B-C120A	VBD1B-F	1PDT		120 Vac	100 mA@5 Vdc	•	•
FKIT-VMD1B-F12D	VMD1B-F12D	VBD1B-F	1PDT		12 Vdc	100 mA@5 Vdc	•	•
FKIT-VMD1B-F24A	VMD1B-F24A	VBD1B-F	1PDT		24 Vac	100 mA@5 Vdc	•	•
FKIT-VMD1B-F24D	VMD1B-F24D	VBD1B-F	1PDT		24 Vdc	100 mA@5 Vdc	•	•
FKIT-VMD1B-F120A	VMD1B-F120A	VBD1B-F	1PDT		120 Vac	100 mA@5 Vdc	•	•
FKIT-VMD1B-F240A	VMD1B-F240A	VBD1B-F	1PDT		240 Vac	100 mA@5 Vdc	•	•
CKIT-VMD1B-C12D	VMD1B-C12D	VBD1B-C	1PDT		12 Vdc	100 mA@5 Vdc	•	•
CKIT-VMD1B-C24D	VMD1B-C24D	VBD1B-C	1PDT		24 Vdc	100 mA@5 Vdc	•	•
CKIT-VMD1B-C24A	VMD1B-C24A	VBD1B-C	1PDT		24 Vac	100 mA@5 Vdc	•	•
CKIT-VMD1B-C120A	VMD1B-C120A	VBD1B-C	1PDT		120 Vac	100 mA@5 Vdc	•	•