

VMD1B-C & VMD1B-F SERIES

Socket Relays in a Wide Range of Coil Voltages



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

AGENCY APPROVALS



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

TYPICAL COIL PERFORMANCE

Power Consumption

AC Coils	0.9 VA
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DC Coils	0.7 VA
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CONTACT RATINGS

Standard (F & C Series)

Resistive	15 A @ 120 Vac
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	15 A @ 277 Vac
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	15 A @ 28 Vdc
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Motor	1/3 @ 120 Vac
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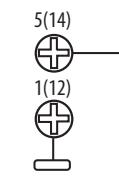
	3/4 @ 277 Vac
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Pilot Duty	B300
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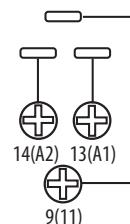
VBD1B SOCKET

Wiring Diagram

TOP VIEW



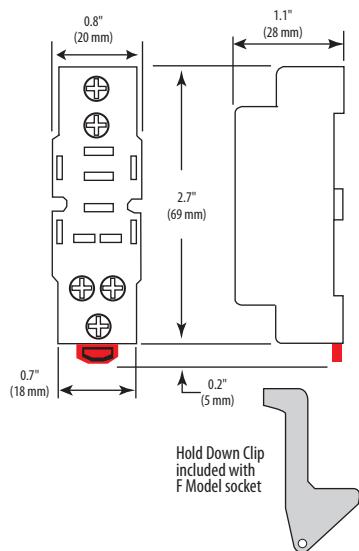
Function	NEMA (IEC) Terminal
Coil (+)*	14 (A2)
Coil (-)*	13 (A1)
COMM	9 (11)
N.O.	5 (14)
N.C.	1 (12)



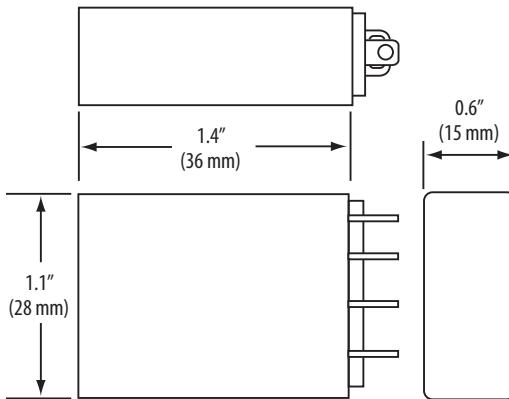
* NOTE: Observe polarity for relays with DC coil voltages only.

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	•	•