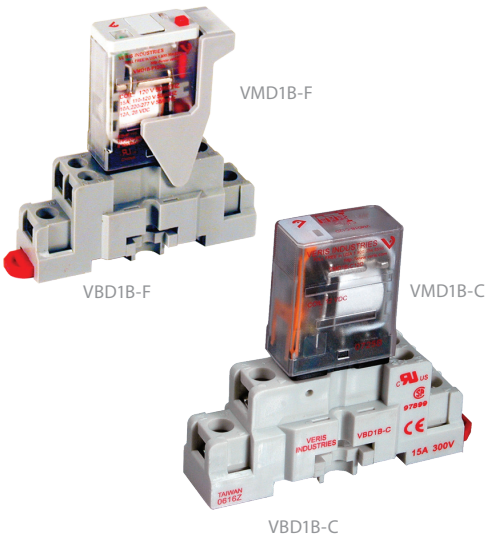


# VMD1B-C & VMD1B-F SERIES

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 |
|------------------|---------|

### AGENCY APPROVALS

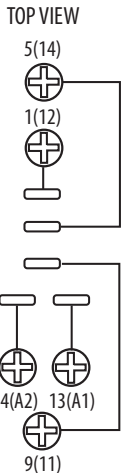


## VBD1B SOCKET

Wiring Diagram

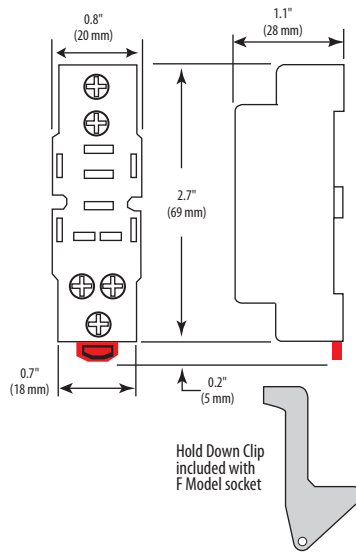
| Function  | NEMA (IEC) Terminal |
|-----------|---------------------|
| Coil (+)* | 14 (A2)             |
| Coil (-)* | 13 (A1)             |
| COMM      | 9 (11)              |
| N.O.      | 5 (14)              |
| N.C.      | 1 (12)              |

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

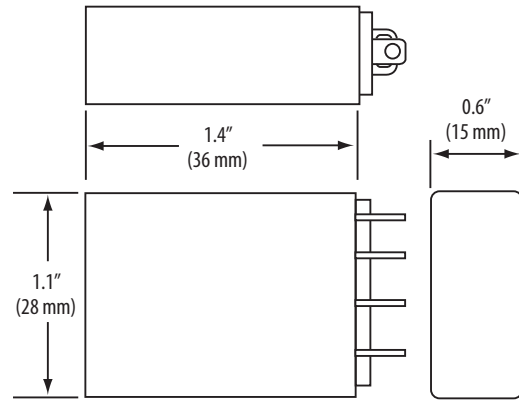


**VMD1B SOCKET**

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           | •  | •  |