

# Socket SPDT Relays

## Power Relays In A Wide Range Of Coil Voltages

### FEATURES

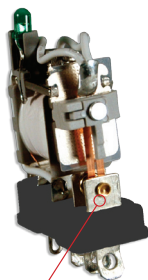
#### Benefits of full featured model

- Color-coded push button...allows manual operation of relay. AC coils red or DC coils blue
- Removable override lever...when activated, locks push button and contacts in the powered position
- Flag indicator...shows relay status in manual or powered condition
- LED status lamp...shows coil "ON" or "OFF" status
- I.D. tag/write-on plastic label...used for identification of relays in multi-relay circuits
- 2-Way side or DIN rail mounting system...retrofits existing panel mounting and 35mm DIN rail

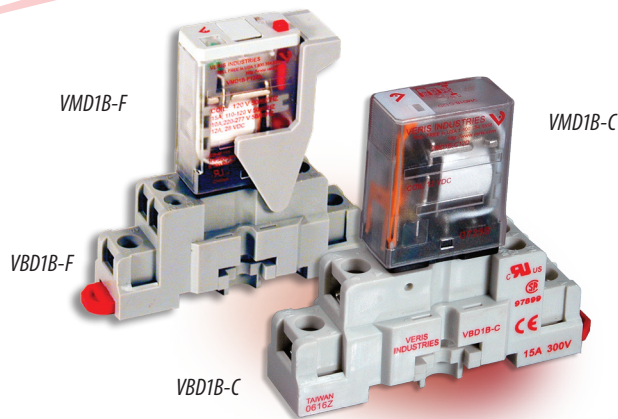
#### Benefits of new low current bifurcated model

- All of the above full-featured benefits
- Bifurcated contacts for high reliability at extremely low current levels
- Perfect for HVAC applications when you need to switch and hold low loads for long periods of time

*VMD1B-S with bifurcated contacts - perfect for low current applications!*



3mA - 3 Amps  
Dual (bifurcated) contacts for optimum wiping & contact performance.



### DESCRIPTION

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.

### TYPICAL COIL PERFORMANCE

	Power Consumption
AC Coils.....	0.9VA
DC Coils.....	0.7W

### CONTACT RATINGS

Standard (F & C Series)	
Resistive.....	15A@120VAC 15A@277VAC 15A@28VDC
Motor.....	1/3@120VAC 3/4@277VAC
Pilot Duty.....	B300
Low Level (S Series)	
Resistive.....	3A@240VAC
CSA	
Resistive.....	10A@277VAC

### SPECIFICATIONS

Operating Range	85% to 110% of rated voltage
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	1500VAC (RMS)
Operating Temperature	-40° to 55°C (-40° to 131°F)

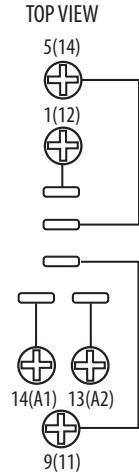
APPLICATION/WIRING EXAMPLE

DIMENSIONAL DRAWINGS

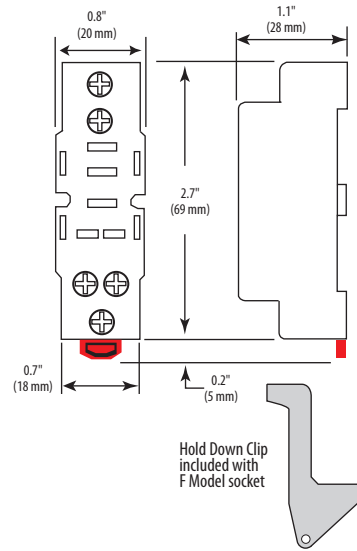
VBD1B Sockets

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

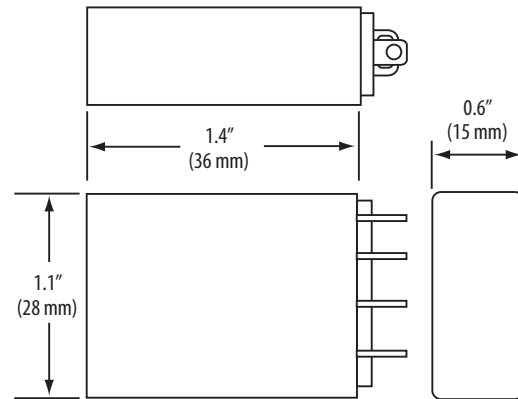
\*\* NOTE: Observe polarity for relays with DC coil voltages only



VMD1B Sockets



VMD1B Relays



ORDERING INFORMATION



MODEL	RELAY TYPE	AMPERAGE RATING	COIL VOLTAGE	MIN. SWITCHING CURRENT	FULL FEATURED	UL	CE
VMD1B-C12D	SPDT	15A	12VDC	100mA@5VDC		●	●
VMD1B-C24D		15A	24VDC	100mA@5VDC		●	●
VMD1B-C24A		15A	24VAC	100mA@5VDC		●	●
VMD1B-C120A		15A	120VAC	100mA@5VDC		●	●
VMD1B-F12D		15A	12VDC	100mA@5VDC	●	●	●
VMD1B-F24D		15A	24VDC	100mA@5VDC	●	●	●
VMD1B-F24A		15A	24VAC	100mA@5VDC	●	●	●
VMD1B-F120A		15A	120VAC	100mA@5VDC	●	●	●
VMD1B-F240A		15A	240VAC	100mA@5VDC	●	●	●
VMD1B-24SVAC		3A	24VAC	3mA@17VDC	●	●	●
VMD1B-120SVAC		3A	120VAC	3mA@17VDC	●	●	●

These relays are UL Listed when used with the Veris sockets.

SOCKET ORDERING INFORMATION

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

ACCESSORIES

DIN Rail, DIN Stop Clip (AV01, AV02)

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