

# Socket DPDT Relays

## Power Relays In A Wide Range Of Coil Voltages

### FEATURES

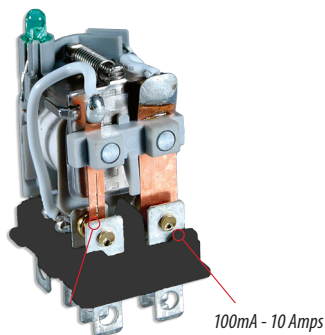
#### Benefits of full featured model

- 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 contact 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
- Mating hold-down clip...secures relay to socket (-F sockets)

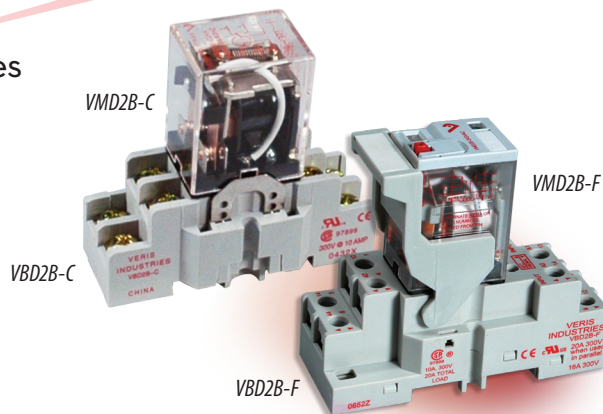
#### Benefits of new low level bifurcated model

- 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
- Hybrid relay, good for both logic switching and power switching

*VMD2B-S has a hybrid design - great for installations where one pole is switching a dry circuit and the other pole is switching a motor starter!*



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



### DESCRIPTION

Veris VMD2B Series are DPDT blade-style relays for socket/DIN mounting. Both the full-featured and standard DIN rail sockets are compatible with all VMD2B relays.

The VMD2B-F is the full-featured model in a slim housing. The LED, the flag indicator, and the test button allow for worry-free operation and easy troubleshooting with minimal downtime. Never wonder where the problem is!

### TYPICAL COIL PERFORMANCE

Power Consumption	
AC Coils.....	1.2VA
DC Coils.....	0.9W

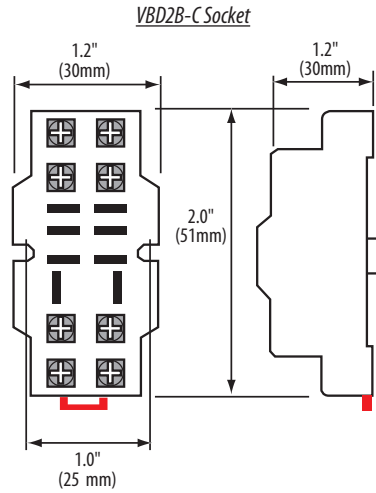
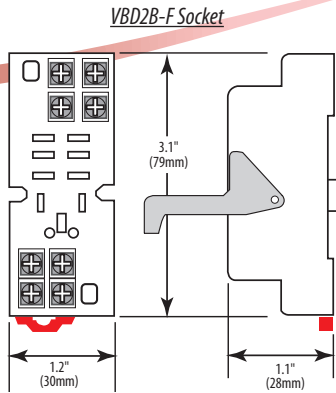
### CONTACT RATINGS

Standard (F & C Series)		
Resistive.....	10A@120VAC	
	10A@277VAC	
	10A@28VDC	
Motor.....	1/4 HP@120VAC	
	1/3 HP@240VAC	
Pilot Duty.....	B300	
Hybrid (S Series, Bifurcated)		
Resistive.....	Low Side	High Side
	3A@120VAC	10A@120VAC
	3A@277VAC	8A@277VAC
Motor.....	3A@30VDC	8A@28VDC
	1/16 HP@120VAC	1/3 HP@120VAC
Pilot Duty.....	B300	
CSA		
Resistive.....	10A@277VAC	

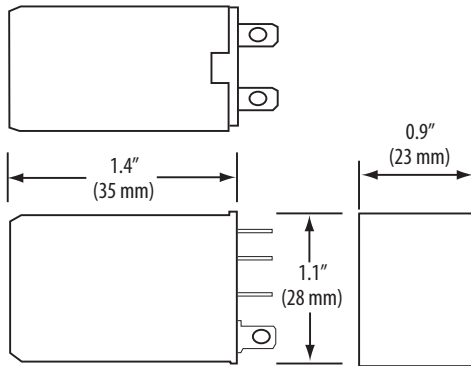
### SPECIFICATIONS

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)

**DIMENSIONAL DRAWINGS**



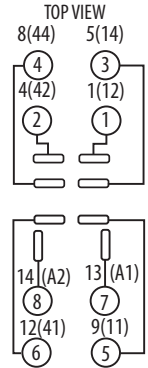
VMD2B Relays



**APPLICATION/WIRING EXAMPLE**

VBD2B Sockets

Function	Terminal	NEMA (IEC)
Coil (+)**	8	14 (A2)
Coil (-)**	7	13 (A1)
COMM1	5	9 (11)
N.O.1	3	5 (14)
N.C.1	1	1 (12)
COMM2	6	12 (41)
N.O.2	4	8 (44)
N.C.2	2	4 (42)



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

**ORDERING INFORMATION**



MODEL	RELAY TYPE	AMPERAGE RANGE	COIL VOLTAGE	MIN. SWITCHING CURRENT	FULL FEATURED	UL	CE
VMD2B-C12D	DPDT	10A	12VDC	100mA@5VDC		●	●
VMD2B-C24D		10A	24VDC	100mA@5VDC		●	●
VMD2B-C24A		10A	24VAC	100mA@5VDC		●	●
VMD2B-C120A		10A	120VAC	100mA@5VDC		●	●
VMD2B-F12D		10A	12VDC	100mA@5VDC		●	●
VMD2B-F24D		10A	24VDC	100mA@5VDC		●	●
VMD2B-F24A		10A	24VAC	100mA@5VDC		●	●
VMD2B-F120A		10A	120VAC	100mA@5VDC		●	●
VMD2B-F240A		10A	240VAC	100mA@5VDC		●	●
VMD2B-24SVAC		3A/10A	24VAC	3mA@17VDC/100mA@5VDC		●	●
VMD2B-120SVAC		3A/10A	120VAC	3mA@17VDC/100mA@5VDC		●	●

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
VBD2B-C	10A	300V			●	●
VBD2B-F	20A		●	●	●	●

**ACCESSORIES**

DIN Rail, Stop Clip (AV01, AV02)

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

RELAYS