

D26 Series—Type M, DC Multipole with Convertible Contacts



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D26 Series—Type M, DC Multipole with Convertible Contacts

Product Description

Type M, DC multipole relays are physically and mechanically similar to the (D26) Type M AC relays described on **Page V7-T3-163**. They differ only in the electrical ratings and available pole combinations due to the use of a normally closed late opening, coil clearing contact, factory wired to the pickup winding of the magnet coil. (Contact is shown as L in figure to the right.) Magnet coil has built-in varistor for transient suppression.

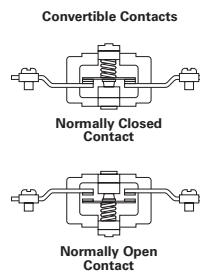
The mechanically latched relay has one extra contact, normally open early closing, factory wired in series with the winding of the intermittent rated latch coil. (Contact is shown as S in figure to the right.)

**Component parts for these relays** are the same as those listed for the (D26) Type M AC relays on **Page V7-T3-163**, except for the Indicating Light, which is not applicable to a DC relay.

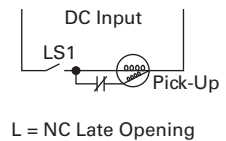
Contact poles D26MPR and D26MPF in 2- to 7-pole relays are convertible NO to NC or vice versa. Simply reverse the terminal screws and rotate the unit pole 180° (in either direction).

Latch Operation

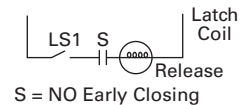
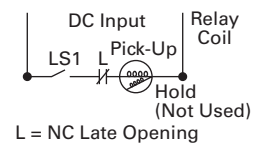
With the latch coil de-energized, energizing the relay coil will pick up the relay and mechanically latch it in the pickup position. With the relay coil de-energized, energizing the latch coil will allow the relay to drop out.



DC Type M Relay



DC Type M Relay with Latch



#### Product Selection

##### Complete DC Relays

When Ordering, Specify

- Catalog number and magnet coil suffix letter.
- Example: For a 4-pole relay having 4NO contacts, order Catalog Number **D26MRD40**, with a 120 Vdc coil, order **D26MRD40A1**.

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#### 3-Pole



#### 3-Pole with Latch



#### Complete DC Relays—Open Type

Number of Contacts	Type of Contact <sup>①</sup>		Relay Only Catalog Number	Relay with Mechanical Latch Catalog Number
	NO (Form A)	NC (Form B)		
2	2	0	D26MRD20	D26MRD202
	1	1	D26MRD11	D26MRD112
	0	2	D26MRD02	D26MRD022
3	3	0	D26MRD30	D26MRD302
	2	1	D26MRD21	D26MRD212
	1	2	D26MRD12	D26MRD122
4	0	3	D26MRD03	D26MRD032
	4	0	D26MRD40	D26MRD402
	3	1	D26MRD31	D26MRD312
6 <sup>②</sup>	2	2	D26MRD22	D26MRD222
	1	3	D26MRD13	D26MRD132
	0	4	D26MRD04	D26MRD042
	6	0	D26MRD60	D26MRD602
7 <sup>②</sup>	5	1	D26MRD51	D26MRD512
	4	2	D26MRD42	D26MRD422
	3	3	D26MRD33	D26MRD332
	2	4	D26MRD24	D26MRD242
	1	5	D26MRD15	D26MRD152
	0	6	D26MRD06	D26MRD062
	7	0	D26MRD70	—
6	1	D26MRD61	—	
5	2	D26MRD52	—	
4	3	D26MRD43	—	
3	4	D26MRD34	—	
2	5	D26MRD25	—	
1	6	D26MRD16	—	
0	7	D26MRD07	—	

#### Magnet Coil Selection

Volts/Hertz	Suffix Code	Volts/Hertz	Suffix Code
12	<b>R1</b>	120	<b>A1</b>
24	<b>T1</b>	240	<b>B1</b>
48	<b>W1</b>		

#### Notes

- <sup>①</sup> Relay has additional factory wired normally closed coil clearing contact (see diagram).
- <sup>②</sup> **10- and 11-Poles:** The 6 and 7 contact relays (without mechanical latch only) listed above can be provided with four additional NO non-convertible contacts. Add suffix number **4** to above listed catalog number plus magnet coil suffix. Example: For an 11 contact relay, order D26MRD70**4A1**.

**3-Pole with Timer Attachment****Relay with Pneumatic Timer Attachment (without Relay Contacts)**

Contact Positions <sup>①</sup>	Timer Operation	Catalog Number
3	ON delay	D26MRD005
3	OFF delay	D26MRD006

The relays listed above will accept up to three catalog number D26MPR contacts (convertible—NO or NC) for instantaneous operation.

Order contacts separately. For additional information on timer attachment, see **Page V7-T3-165**.

**Technical Data and Specifications****General****Contact Ratings (Amperes) <sup>②</sup>**

DC Volts	Inductive Make/Break	Resistive Make/Break
28	7.0	10.0
48	2.5	10.0
120	1.1	2.0
240	0.2	0.4

Relay	Coil Power		Operating Time
	Watts Inrush	Sealed	Average Milliseconds
Two- to 11-pole	168	13.2	Pickup: 10
Latch coil	21.6 intermittent	21.6 intermittent	Dropout: 16

**Notes**

- <sup>①</sup> Number of available instantaneous contact positions (order contacts separately—Catalog Number D26MPR).
- <sup>②</sup> Contact ratings do not apply to contacts D26MPL and D26MPS. For AC contact ratings, see **Page V7-T3-165**.

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## Control Relays and Timers

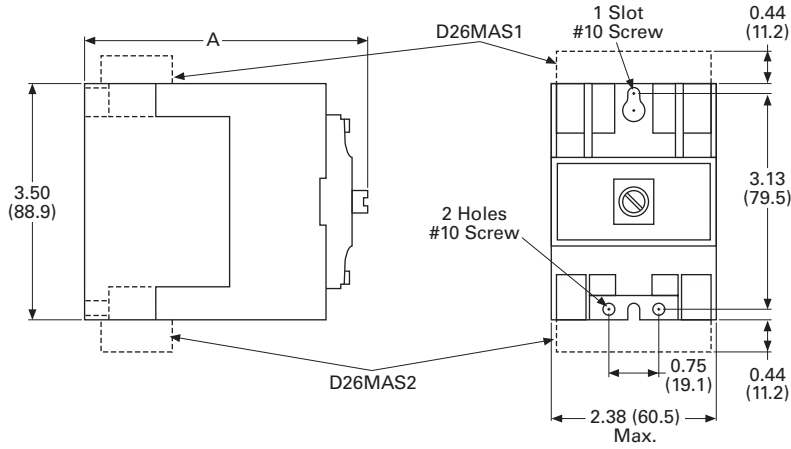
### Machine Tool Relays

#### Dimensions

Approximate Dimensions in Inches (mm)

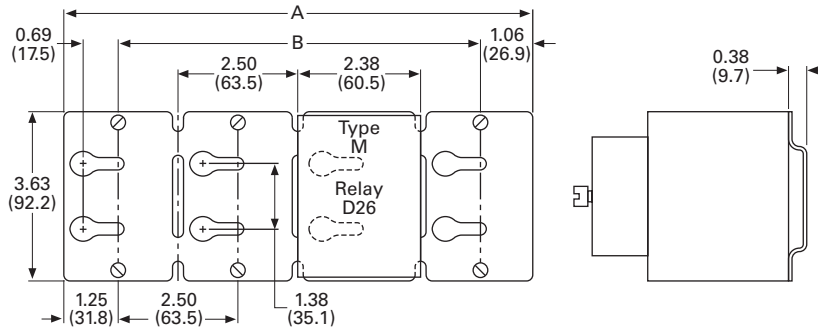
#### AC and DC D26 Relays

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AC Relay D26	DC Relay D26	Dimension A	Ship. Wt. Lbs (kg)
1-4 poles	1-3 poles	4.00 (101.6)	2.5 (1.1)
1-4 poles with timer D26 or D87	1-3 poles with timer D26 or D87	6.00 (152.4)	3.3 (1.5)
1-4 poles with latch	1-2 poles with latch	6.13 (155.7)	3.5 (1.6)
1-4 poles with D26MF	1-3 poles with D26MF	5.81 (147.6)	2.8 (1.3)
5-8 poles	4-7 poles	5.25 (133.4)	2.8 (1.3)
5-8 poles with timer D87	4-7 poles with timer D87	7.25 (184.2)	3.5 (1.6)
5-8 poles with latch	3-6 poles with latch	7.31 (185.7)	3.8 (1.7)
9-12 poles	8-11 poles	7.00 (177.8)	3.0 (1.4)

#### Mounting Channel



Catalog Number	Dimension A	Dimension B
D26MC16	40 (1016)	37.5 (952.5)
D26MC12	30 (762)	27.5 (698.5)
D26MC8	20 (508)	17.5 (444.5)
D26MC4	10 (254)	7.5 (190.5)

**Note:** Channel mounts through keyholes with #10 screws (two each end and one every fourth relay). Relays mount with screws captive in channel. All screws must be tightened firmly.