

D26 Series—Type M, 600 Vac Multipole with Convertible Contacts



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D26 Series—Type M, 600 Vac Multipole with Convertible Contacts

Product Description

Relays can be ordered as complete devices in any pole combination up to a maximum of 12NO or 8NC and 4NO poles, or can be assembled from components shown on **Page V7-T3-164**.

Relay base assembly (**D26MB**) will accept from 1 to 4 rear poles (**D26MPR**, **D26MPS** and/or **D26MPL**).

Features

Contact poles D26MPR and D26MPF in 2- through 8-pole relays are convertible NO to NC or vice versa. Simply reverse the terminal screws and rotate the unit pole 180° (in either direction).

Options

Adding a front deck, the total number of poles can be increased to 8, all convertible NO to NC.

Adding a **D26MF**, 4-pole fixed NO attachment, builds a 12-pole relay with 8 convertible poles and 4 fixed NO poles.

Relays with mechanical latch are available in any convertible pole combination up to eight poles maximum.

Standards and Certifications

- UL listed—Class No. NKCR2, File E1230(N)
- CSA certified—File LR353



Normally Closed Contact



Normally Open Contact

To obtain overlapping contacts, use **D26MPS** (NO early closing) and **D26MPL** (NC late opening) rear poles, in related circuits.

Product Selection**Complete AC Relays**

When Ordering, Specify

- Catalog number and magnet coil suffix letter.
- Example: For a 4-pole relay having 4NO contacts, order Catalog Number **D26MR40**, with a 120V, 60 Hz coil, order **D26MR40A**.
- For fast delivery and minimum inventory, it is recommended that component parts or complete relays with NO poles be ordered.

4-Pole Complete AC Relays—Open Type

Number of Contacts	Type of Contact		Relay Only Catalog Number	Relay with Mechanical Latch Catalog Number	
	NO (Form A)	NC (Form B)			
2	2	0	D26MR20	D26MR202	
	1	1	D26MR11	D26MR112	
	0	2	D26MR02	D26MR022	
3	3	0	D26MR30	D26MR302	
	2	1	D26MR21	D26MR212	
	1	2	D26MR12	D26MR122	
4	0	3	D26MR03	D26MR032	
	4	0	D26MR40	D26MR402	
	3	1	D26MR31	D26MR312	
	2	2	D26MR22	D26MR222	
4-Pole with Latch	1	3	D26MR13	D26MR132	
	0	4	D26MR04	D26MR042	
	4-Pole with Pneumatic Timer Attachment	6 ^①	0	D26MR60	D26MR602
		5	1	D26MR51	D26MR512
4		2	D26MR42	D26MR422	
3		3	D26MR33	D26MR332	
8 ^①	2	4	D26MR24	D26MR242	
	1	5	D26MR15	D26MR152	
	0	6	D26MR06	D26MR062	
	8	0	D26MR80	D26MR802	
	7	1	D26MR71	D26MR712	
	6	2	D26MR62	D26MR622	
	5	3	D26MR53	D26MR532	
	4	4	D26MR44	D26MR442	
3	5	D26MR35	D26MR352		
2	6	D26MR26	D26MR262		
1	7	D26MR17	D26MR172		
0	8	D26MR08	D26MR082		

Magnet Coil Selection

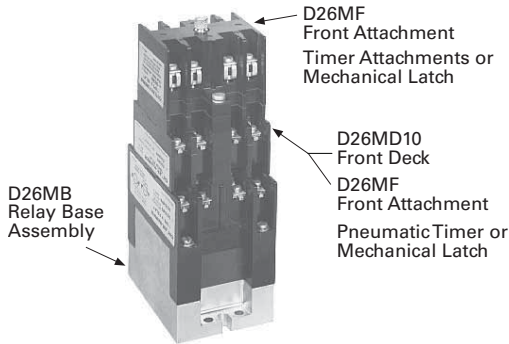
Volts/Hertz	Suffix Code	Volts/Hertz	Suffix Code
120/60–110/50	A	32/60 ^②	V
240/60–220/50	B	12/60 ^②	R
208/60 ^②	E	6/60	P
24/60	T	380/50 ^②	L
277/60	H	480/60 or 440/50	C
		600/60 or 550/50 ^②	D

Notes

^① **10- and 12-Poles:** The 6 and 8 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 a 12 contact relay, order **D26MR804A**.

^② Consult Customer Support Center for availability.

Relay Component Parts Location



Relay with Pneumatic Timer Attachment Factory Installed (without Relay Contacts)

Contact Positions ^①	Timer Operation	Catalog Number ^②
4	ON delay	D26MR005
4	OFF delay	D26MR006

The relays listed above will accept up to four 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**.

For assembly of relays from component parts and relay accessories, see components tables below.

Rear Pole



Front Pole



Separate Contacts

Description	Catalog Number
Convertible Contacts	
Rear pole—NO	D26MPR
Rear pole—NC	D26MPR02
Front pole—NO	D26MPF
Front pole—NC	D26MPF02
Gold plated (for low power circuits)	
Rear pole—NO	D26MPR03
Front pole—NO	D26MPF03
Non-Convertible Contacts	
Rear pole NO early closing ^③	D26MPS
Rear pole NC late opening ^③	D26MPL

Relay Base Assembly



Relay Base Assembly (without Poles)

Description	Catalog Number
Relay base assembly	D26MB ^④

Basic four-pole D26 relay without contacts. Provision for adding one to four poles

as needed, **D26MPR**, **D26MPL** and/or **D26MPS** rear pole type.

Rear Pole



Front Deck (Convertible Contact Poles)

Description	Catalog Number
Front Deck with ...	
1NO contact pole	D26MD10
2NO contact poles	D26MD20
4NO contact poles	D26MD40

Provides up to four additional front pole type D26MPF contacts. Convertible, NO to NC.

Four-Pole Front Attachment



Four-Pole Front Attachment (4NO Fixed Circuit)

Description	Catalog Number
Front attachment	D26MF

Can be added to any two- to eight-pole Type M, D26 relay to provide up to a 12-pole

relay. Four NO, non-convertible contacts are included in this assembly.

Notes

- ① Number of available instantaneous contact positions (order contacts separately—Catalog Number D26MPR).
- ② Consult Customer Support Center for availability.
- ③ To obtain overlapping contacts, these two special poles must be used in related circuits.
- ④ Add magnet coil suffix letter, see **Page V7-T3-163**. Example: D26MBA.

Relay State Indicating Light



Relay State Indicating Light

Description	Catalog Number
120 Vac, 50/60 Hz	D26MAP120
240 Vac, 50/60 Hz	D26MAP240

Light provided with leads and bracket for mounting on two-to 12-pole relays. May be

used to monitor state of magnet coil or relay contact operation.

Pneumatic Timer Attachment



Pneumatic Timer Attachment

Description	Catalog Number
ON delay	D26MTE
OFF delay	D26MTD

Attachment mounts on any 0-to four-pole D26 relay without latch. Timer unit has DPDT timed contacts (circuits in each pole must be the same polarity). Adjustable timing

range—0.1 to 180 seconds, repeat accuracy $\pm 10\%$. Units are convertible from OFF delay to ON delay or vice versa.

Mounting Channel



Mounting Channel

Description	Catalog Number
10 in length for 4 relays	D26MC4
20 in length for 8 relays	D26MC8
30 in length for 12 relays	D26MC12
40 in length for 16 relays	D26MC16

Pre-spaced mounting for adjacent relay installation. Indexed for cutting to desired

length. Captive mounting screws provided in channel for easier installation.

Manual Test Accessory



Manual Test Accessory

Description	Catalog Number
Manual test accessory	D26MTA

Tool to manually hold relays in the energized position for circuitry testing on completed

panel. (10 per box, order in multiples of 10.)

Transient Suppressor



Transient Suppressor

Description	Catalog Number
Magnet coil transient suppressor	D26MAS1
Latch coil transient suppressor	D26MAS2

May be mounted on any 120 Vac relay magnet coil or latch coil or 120 Vdc latch coil—connects directly across coil terminals. All DC magnet coils have a built-in varistor for transient suppression.

Limits high voltage transients produced in the circuit when power is removed from the coil.

Technical Data and Specifications

General

Contact Ratings (Amperes) A600

AC Volts ^①	Make and Emergency Interrupting Capacity	Break	Continuous Thermal Rating
120	60	6	10
240	30	3	10
480	15	1.5	10
600	12	1.2	10

Coil Power

Relay	Watts		VA		Operating Time
	Inrush	Sealed	Inrush	Sealed	Range in Milliseconds
Two- to 12-pole	95.0	9	155	22	Pickup: 6–13
Latch coil	18.5	11	41	17	Dropout: 8–26

Note

^① For DC contact ratings, see Page V7-T3-169.

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Control Relays and Timers

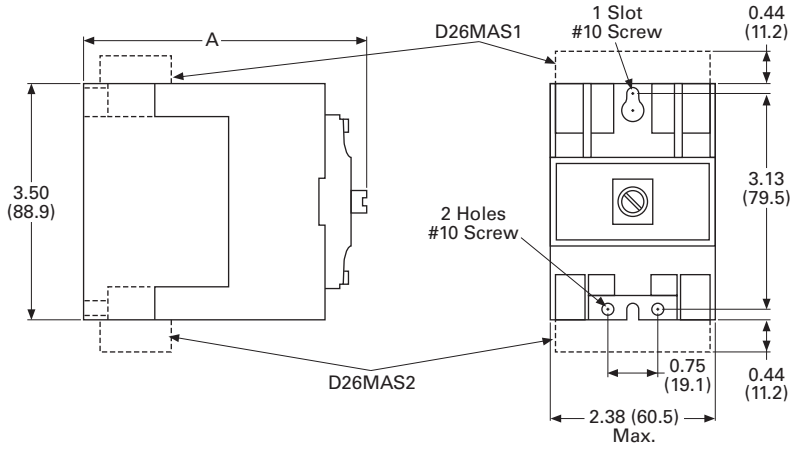
Machine Tool Relays

Dimensions

Approximate Dimensions in Inches (mm)

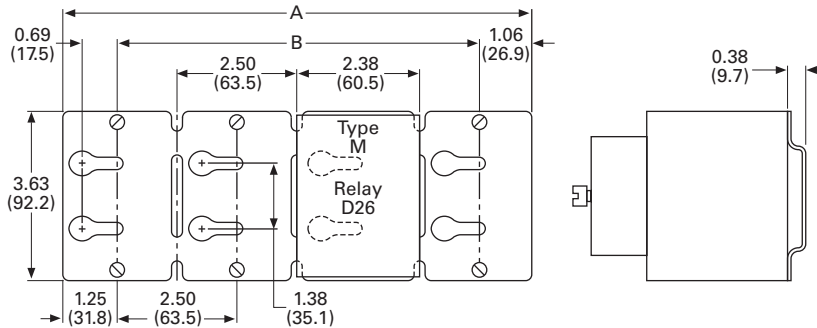
AC and DC D26 Relays

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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.