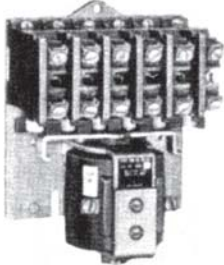




DC Relays - Type PM Bulletin 7304



General Description

Bulletin 7304, Type PM, D-C Convertible Pole Relays feature many of the same

time-proven advantages offered by the highly successful Bulletin 7305 Type PM A-C Relay. For example, normally open poles are quickly and easily convertible to normally closed and vice versa. Each pole is contained in its own molded housing mounted by a single screw. Thus, each pole may be removed, installed or replaced individually without disturbing the others.

The large double-break contacts are made of fine silver alloy, and are rated for both inductive and resistive loads. The contacts are designed with wipe action to assure

maximum reliability.

For long trouble-free relay life, the D-C coil on Bulletin 7304 Relays is molded with tough epoxy resin to keep out dirt and moisture, and to prevent physical damage. The magnet used is a vertical lift type with no springs that require adjustment. It is designed with pull-in characteristics that keep magnet slam to a minimum.

Extra wide pressure terminals are front mounted for ready accessibility. As many as three lugs for No. 12 wire can be connected to each terminal.

Bulletin 7304 Relays are available in 2,3,4,6 and 8-pole arrangements.

Total Number Of Poles	Contact Arrangement	Poles ² Normally Open	Normally Closed	Open Type Catalog Number	Price ³
2		2	0	4U2 *	\$348.
		1	1	4U2-1 *	384.
		0	2	4U2-2 *	384.
3		3	0	4U3 *	396.
		2	1	4U3-1 *	432.
		1	2	4U3-2 *	432.
		0	3	4U3-3 *	432.
4		4	0	4U4 *	420.
		3	1	4U4-1 *	456.
		2	2	4U4-2 *	456.
		1	3	4U4-3 *	456.
		0	4	4U4-4 *	456.
6		6	0	4U6 *	594.
		5	1	4U6-1 *	630.
		4	2	4U6-2 *	630.
		3	3	4U6-3 *	630.
		2	4	4U6-4 *	630.
		1	5	4U6-5 *	666.
		0	6	4U6-6 *	666.
8		8	0	4U8 *	666.
		7	1	4U8-1 *	708.
		6	2	4U8-2 *	708.
		5	3	4U8-3 *	708.
		4	4	4U8-4 *	708.
		3	5	4U8-5 *	744.
		2	6	4U8-6 *	744.

Contact Ratings - 10 Amps Continuous

D-C Applications			
Volts	Ampere Interrupting Rating		
	Resistive Load		Inductive Load
	N.O.	N.C.	
64 or less	10	10	2.2
120	8	6	1.1
240	2	1	.55
A-C Applications			
Volts	Make	Break	
110	60	6	
220	30	3	
440	15	1.5	
550	12	1.2	

4U4B - * 4 pole base only \$276

4U8B - * 8 pole base only \$378

Note:

- Numbers in pole locations shown in sketches indicate the sequence in which normally closed poles are mounted when required.
- Normally open contacts may be changed in the field to normally closed and vice versa, using only a screw driver.

Ordering Information

- Use complete catalog number. Replace the (*) with the suffix from Coil Table.
- Overlapping contacts are available in the same contact block at \$108 per pair
- Enclosures supplied separately

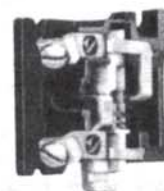
- Price addition of \$30 per relay. For 32 & 64 volt coils, use coil suffix 32 or 64.

* Coil Table DC Voltage

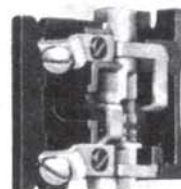
DC Voltage	Suffix	DC Voltage	Suffix
12	012	95	095
24	024	120	120
48	048	240	240

Modification Kits for Type PM Family - Discount Schedule JC55

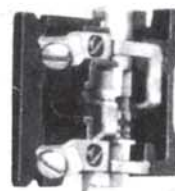
Description	Catalog Number	Price
Kits for BUL. 7305 Type PM Convertible Pole Relays		
Pole Kits (All are convertible)		
N.O. Non-Overlap Contacts, Closed Top	KPM-1A	\$ 36.
N.C. Non-Overlap Contacts, Closed Top	KPM-2A	36.
N.O. Non-Overlap Contacts, Open Top	KPM-3A	36.
N.C. Non-Overlap Contacts, Open Top	KPM-4A	36.
N.O. Non-Overlap Contacts, Open Top, Double Ended Carrier	KPM-5A	36.
N.C. Non-Overlap Contacts, Open Top, Double Ended Carrier	KPM-6A	36.
N.O. Overlapping Contacts, Closed Top	KPM-21A	60.
N.C. Overlapping Contacts, Closed Top	KPM-22A	60.
N.O. Overlapping Contacts, Open Top	KPM-23A	60.
N.C. Overlapping Contacts, Open Top	KPM-24A	60.
N.O. Overlapping Contacts, Open Top, Double Ended Carrier	KPM-25A	60.
N.C. Overlapping Contacts, Open Top, Double Ended Carrier	KPM-26A	60.
N.O. Non-Overlap Anti-Weld Contacts, Closed Top	KPM-31A	48.
N.C. Non-Overlap Anti-Weld Contacts, Closed Top	KPM-32A	48.
N.O. Non-Overlap Anti-Weld Contacts, Open Top	KPM-33A	48.
N.C. Non-Overlap Anti-Weld Contacts, Open Top	KPM-34A	48.
N.O. Non-Overlap Anti-Weld Contacts, Open Top, Double Ended Carrier	KPM-35	48.
N.C. Non-Overlap Anti-Weld Contacts, Open Top, Double Ended Carrier	KPM-36	48.
N.O. Non-Overlap Gold Bonded Contacts, Closed Top	KPM-41	90.
N.C. Non-Overlap Gold Bonded Contacts, Closed Top	KPM-42	90.
N.O. Non-Overlap Gold Bonded Contacts, Open Top	KPM-43	90.
N.C. Non-Overlap Gold Bonded Contacts, Open Top	KPM-44	90.
N.O. Non-Overlap Gold Bonded Contacts, Double Ended Carrier	KPM-45	90.
N.C. Non-Overlap Gold Bonded Contacts, Double Ended Carrier	KPM-46	90.
Adapter Plate (to add 13th or 14th pole)	KPM-15	18.
Kits for BUL. 7305 Type PMA Universal Pole Relays		
Pole Kit - N.O. & N.C. Non-Overlap Contacts, Closed Top	KPMA-1	54.
N.O. & N.C. Non-Overlap Anti-Weld Contacts, Closed Top	KPMA-2	78.
N.O. & N.C. Overlapping Contacts, Closed Top	KPMA-21	108.
N.O. & N.C. Overlapping Anti-Weld Contacts, Closed Top	KPMA-22	132.
Kits for BUL. 7305 Type PMF Duplex-Pole Relays		
Pole Kits - 2 N.O. Non-Overlap Contacts, Closed Top	KPMF-1	54.
2 N.O. Non-Overlap Anti-Weld Contacts, Closed Top	KPMF-2	78.
Kit for BUL. 7305 Type PML or PMAL Latch Relays		
Latch Kit, with coil - Specify trip coil voltage suffix: - 76 (110-120v 60hz). -26 (220-240v 60hz), - 46 (440-480v 60hz). Specify other voltages	KPMH-12	168.
Kits for BUL. 7313 Type PMT Timing Relays		
Contact Operating Link for R.H. Timed Pole	KPMT-1	18.
Contact Operating Link for Instantaneous Pole	KPMT-2	18.
Contact Mounting Bracket and Arm Assembly (R.H.)	KPMT-3	36.
Contact Mounting Bracket and Arm Assembly (L.H.)	KPMT-4	36.



Kit KPM-2A



Kit KPM-4A



Kit KPM-6A



Kit KPMA-1



Kit KPMH-12



Kit KPMT-12

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Renewal Parts Kits -

Discount Schedule JC80

Renewal Parts Kits for BUL. 7305 Type PM Convertible Pole Relays	Cat. No.	Price
Contact Arm, Short (4 Pole) with screws	KPM-7	23.
Contact Arm, Long (6 Pole) with screws	KPM-8	32.
Assembled Magnet and Rod (Straight-End Bracket) A-c Relays	KPM-9	152.
Assembled Magnet and Rod (Hooked-End Bracket) A-c Relays	KPM-10	152.
Assembled Magnet and Core. 2,3 & 4 Pole D-c Relays (Includes Rod, Bracket & Contact Arm)	KPM-16	173.
Assembled Magnet and Core, 6 & 8 Pole D-c Relays (Includes Rod, Bracket & Contact Arm)	KPM-17	179.
Renewal Parts for BUL. 7313 Type PMT Timing Relays		
Assembled Magnet and Rod (Folio 2 Relays)	KPMT-10	301.
Timing Head (without dial) (Folio 2 Relays)	KPMT-12	524.

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