



PM series

HEAVY DUTY 25 AMP MULTICONTACT AC OR DC POWER RELAY

- Ⓛ File E22575 (PM & PMC)
- Ⓜ File E22575 (PMF & PMT)
- Ⓝ File 15734

FEATURES

- Contact ratings to 25 amps.
- 8-32 screw or .250 Q.C. termination.
- AC and DC coils available.
- 4PDT contact arrangement.
- Plastic and metal covers available.

CONTACT DATA @ 25 C

Arrangements: 4 Form A (4PST-NO) and 4 Form C (4PDT).
Ratings: PM & PMT: 25 amps @ 277VAC, max.; 10 amps @ 28VDC;
 1 HP @ 120/240VAC, Single Phase.

Material: Silver-cadmium oxide.
Expected Life: 10 million operations, mechanical; 100,000 operations at rated loads @ 25°C.

INITIAL DIELECTRIC STRENGTH

Initial Breakdown Voltage: 2,000V rms minimum between all elements and ground.

COIL DATA @ 25 C

Voltage: From 6 to 125 VDC and 12 to 480VAC, 50/60 Hz.
Nom. Power: DC: 4.4 Watts @ 25°C.
 AC: 14VA @ 25°C.
Duty Cycle: Continuous.
Finish: Impregnated with high quality electrical varnish.
Initial Insulation Resistance: 100 megohms, minimum.

Nominal Voltage	DC Coils		AC Coils (50/60 Hz.)		
	DC Resis. In Ohms ±10% @ +25°C	Nominal Current in Milliamps	Nominal Voltage	DC Resis. In Ohms ±15% @ +25°C	Nominal Current in Milliamps
6	8.2	732			
12	33	364	12	1.4	1070
24	132	182	24	5.0	540
48	526	91	120	120	128
110	2760	40	240	587	61
125	3570	35			
220	Use a 110 volt relay with 2700 to 3300 ohm 5 watt wire wound resistor in series.				

OPERATE DATA @ 25 C

Must-Operate Voltage: DC: 75% of nominal voltage @ +25°C.
 AC: 85% of nominal voltage @ +25°C.

ENVIRONMENTAL DATA

Temperature Range: AC: -55°C to +45°C @ nominal coil power.
 DC: -55°C to +55°C @ nominal coil power (+75°C available on special order).

MECHANICAL DATA

Mounting: Standard: Three holes; one front key-hole and two rear channel slots for #8-32 screws.
 Special: Adaptor plate available for adapting these relays to a chassis pre-drilled for our PRD series relays.
Termination: PM : Heavy-duty screw type with #8-32 BH screw.
 PMT : .250" (6.35 mm) quick connect terminals.
Insulating Material: Molded polyester alkylid.
Enclosure: PM & PMT: Plastic dust cover or metal enclosure available. Order separately.
Weight: 14 oz. (397 g) approximately.

ORDERING INFORMATION

Typical Part No. >	PM	-17	A	Y	-120
1. BASIC SERIES: PM					
2. TYPE: Leave blank = Open relay with screw terminals. T = Open relay with .250" (6.35 mm) quick connect terminals.					
3. CONTACT ARRANGEMENT: 17 = 4 Form C (4PDT)					
4. COIL INPUT: A = AC D = DC					
5. CONTACT MATERIAL: Y = Silver-cadmium oxide.					
6. COIL VOLTAGE: To 240VAC or 125VDC (to 220V with resistor).					

STOCK ITEMS - The following items are normally maintained in stock for immediate delivery.

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|-------------|-------------|
| PM-17AY-24 | PM-17DY-24 |
| PM-17AY-120 | PM-17DY-110 |
| PM-17AY-240 | PMT-17DY-24 |
| PM-17DY-12 | |