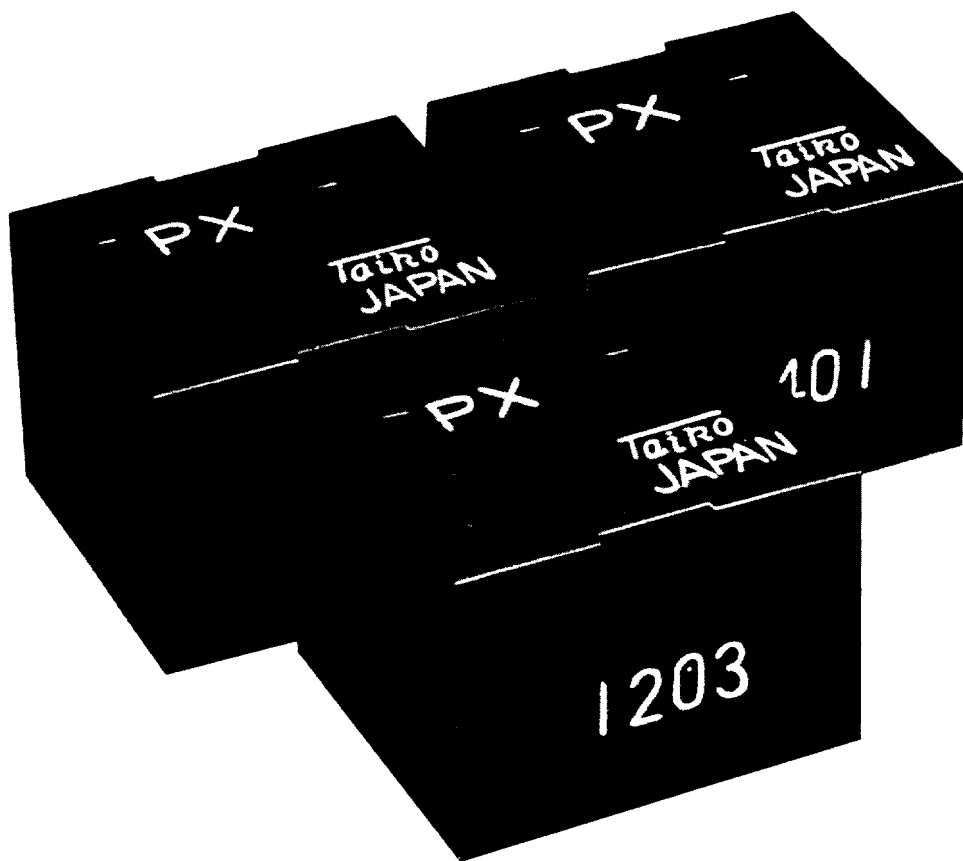


176-587 to
176-590

PED - *Taiho*®

PX SERIES

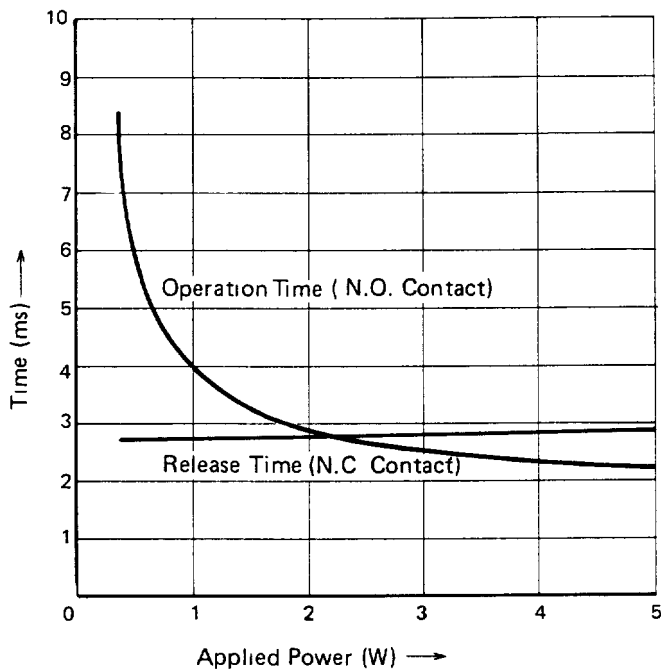
MINIATURE POWER RELAY



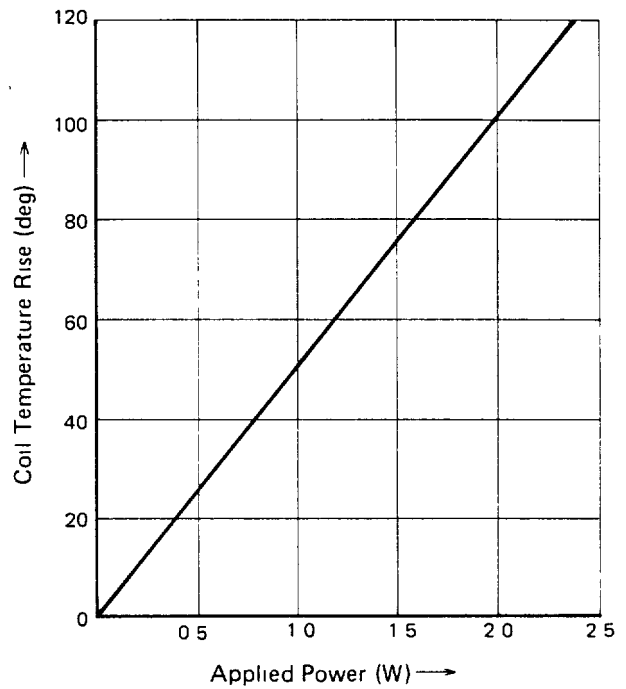
High Quality, Reliability, Performance

CHARACTERISTICS DATA

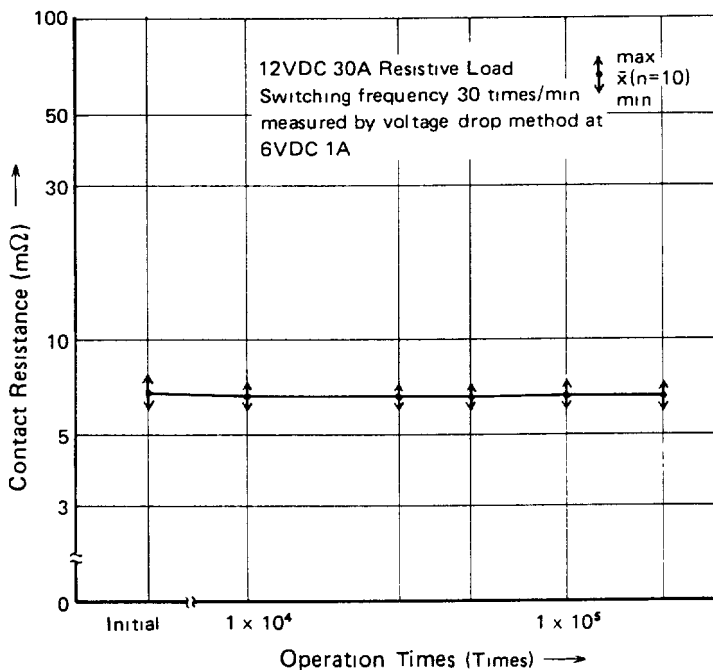
• Time Characteristics



• Coil Temperature Rise



• Electrical Life Expectancy (Contact Resistance)



NOTE

Each type of Automobile Relays shall be arranged in accordance with specification because of difference in working condition.

We reserve the right to change without prior notice the information contained in this leaflet

Health and Safety at Work etc. Act 1974

Some of our products are capable of being operated by and capable of switching high voltages and/or currents. Care must therefore be exercised in the usage of such products



PED Limited

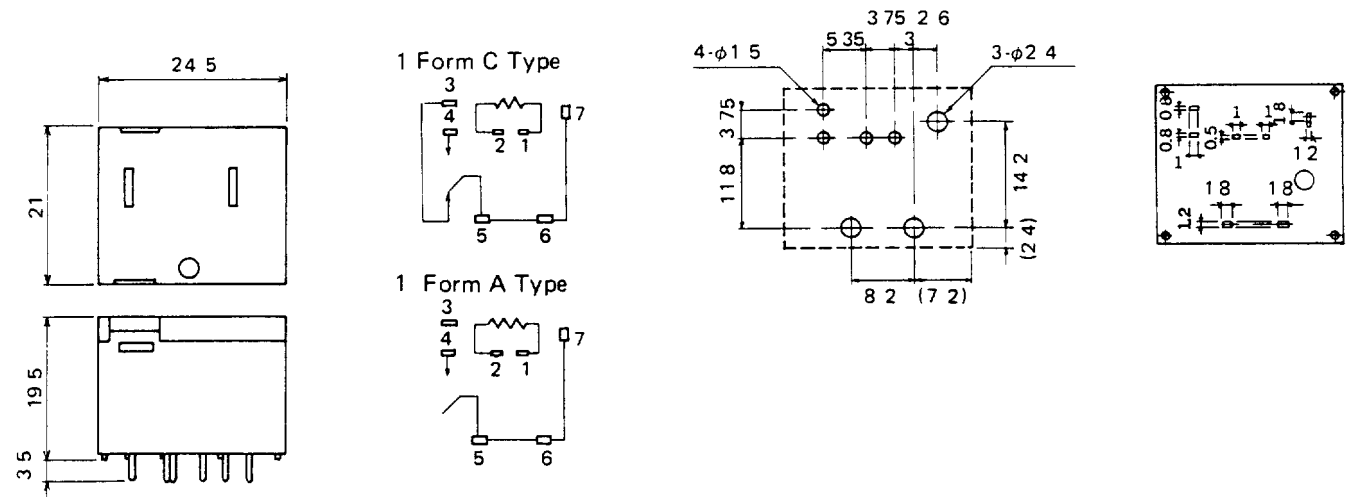
Exning Road, Newmarket, Suffolk CB8 0AX, England
Tel (0638) 665161 Telex 81245 PEDLTD Fax (0638) 660718

RATING-PERFORMANCE

Condition	Item		Description
Contact Specification	Contact Arrangement		1 Form A 1 Form C
	Rated Load		12 VDC•30A (Resistive Load) 12 VDC•150W (Lamp Load) 120 VAC•10A (Resistive Load)
	Contact Resistance		100mΩ or less (Initial), by Voltage Drop Method at 6 VDC 1A
	Contact Material		Silver alloy
	Max. Switching Current		30A (Continuous Energizing Current 15A)
Electrical Specification	Dielectric Strength		750 VAC, 1min
	Insulation Resistance		100MΩ or more at 500 VDC
	Operation Time		Approx 10ms
	Release Time		Approx 10ms
Mechanical Specification	Anti-Shock	False operation	10G (11ms)
		Endurance	100G (11ms)
	Anti-Vibration	False operation	10 to 55 Hz Double Amplitude1.5 mm
		Endurance	10 to 55 Hz Double Amplitude1 5 mm
Life Expectancy	Mechanical		5 x 10 ⁶ times (Switching frequency 300 times/min)
	Electrical		0 1 x 10 ⁶ times (Switching frequency at Rated Load 30 times/min)
Operating Ambient Temperature			−30°C to 80°C (Not to be frozen)
Operating Ambient Humidity			45% to 85% RH
Weight			Approx 17gs

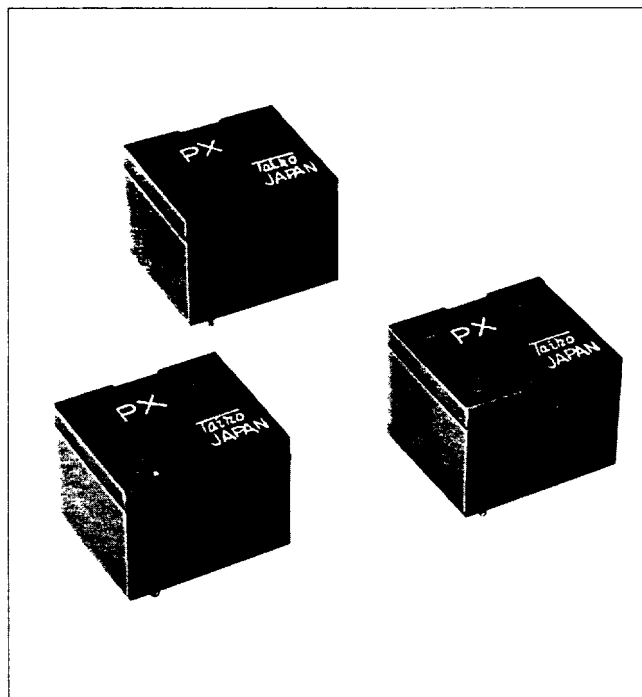
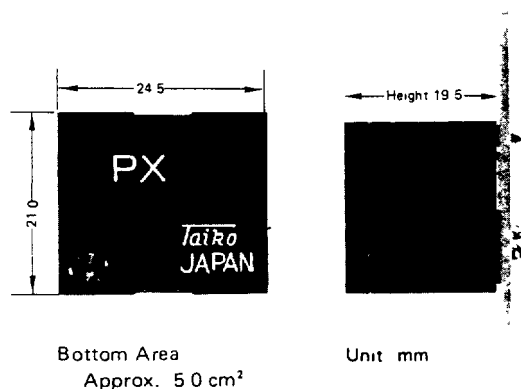
DIMENSIONS (Unit: mm)

- External Dimension
- Internal Wiring Diagram (Bottom View)
- P.C. Board Drilling Design
- Terminal Dimension



FEATURES

- PX Relays are P.C. board type automobile relays with high switching power.



- PX Relays are capable of switching lamp of 150W, or 12VDC, 30A (resistive load).
- Contact arrangement 1 Form A and 1 Form C are provided.
- PX Relays are designed for low cost and high performance.

COIL RATING

Nomenclature	Contact Arrangement	Rated Voltage (V, DC)	Coil Resistance (OHM)	Pull-in Voltage (V, DC)	Drop-out Voltage (V, DC)	Power Consumption (W)	Remarks
PX-1201	1 Form C	12	85	8.0	0.6	1.7	For intermittent operation
PX-1203	1 Form C	12	140	9.6	0.6	1.0	
PX-1205	1 Form A	12	140	9.6	0.6	1.0	
PX-2401	1 Form C	24	210	16.0	1.0	2.7	For intermittent operation
PX-2403	1 Form C	24	500	19.2	1.2	1.2	
PX-2405	1 Form A	24	500	19.2	1.2	1.2	

Note: Coil resistance, Pull-in Voltage and Drop-out voltage show the value at ambient temperature 20°C respectively, and the resistance tolerance is $\pm 10\%$

NOMENCLATURE BREAKDOWN

PX - 1201

