



Introducing SCHRACK PTH Series General Purpose Relay



Tyco Electronics
Our commitment. Your advantage.

SCHRACK PTH Series General Purpose Relays



KEY FEATURES

Choice of 4 form C (4PDT) or 2 Form C (DPDT) models

4PDT rated 6A @ 250VAC;
DPDT rated 12A @ 250VAC

Plug-in or PC board types

Range of AC and DC coils

Integral color-coded LED, protection diode or RC available as an option

No braided wire in the relay

No welds or solder joints in the contact area

Has fewer parts than similar relays

Standard miniature base plugs into a wide range of available sockets

Case height matches many existing designs



DESCRIPTION

Miniature general purpose relay in two or four pole configurations for either plug-in or printed circuit board mounting.

Advanced design has fewer parts than similar competitive relays, utilizes no braided wire and has no welds or solder joints in the contact area.

Various functional circuits optionally available.

APPLICATIONS

Manufacturing machines and equipment, factory automation equipment, control panels and other industrial machinery

Elevators and escalators, commercial laundry equipment, commercial kitchen equipment and other building equipment.

MECHANICAL

Termination: Plug-in terminals or printed circuit board/solder terminals.

Enclosure: Flux-proof (Protection Category: RTII)

STANDARDS AND SPECS

UL recognized, file E58304; TUV approved, file R50072981; CQC marked, file 05001013007

ELECTRICAL

Contact Data:

Contact Arrangements and Ratings: 2 Form C (DPDT) rated 12A @ 250VAC;
4 Form C (4PDT) rated 6A @ 250VAC.

Contact Material: Silver-Nickel

Expected Life: 100,000 Operations at Rated UL Load

Coil Data:

Coil Voltage: 6 to 220VDC and 6 to 230VAC. Other voltages upon request.

Coil Power: 750mW; 1.0VA @ 50 Hz. / 0.86VA @ 60 Hz.

Initial Dielectric Strength:

Between Coil & Contacts: 2,500Vrms.

Between Open Contacts: 1,200Vrms.

Between Poles: 2,500Vrms for 2 pole models; 2,000Vrms for 4 pole models.

ENVIRONMENTAL

Operating Temperature Range: -40 C to +70 C.

Vibration Resistance: >7G for NO contact; >4G for NC contact.

Shock Resistance (functional): >20G for NO contact; >5G for NC contact.

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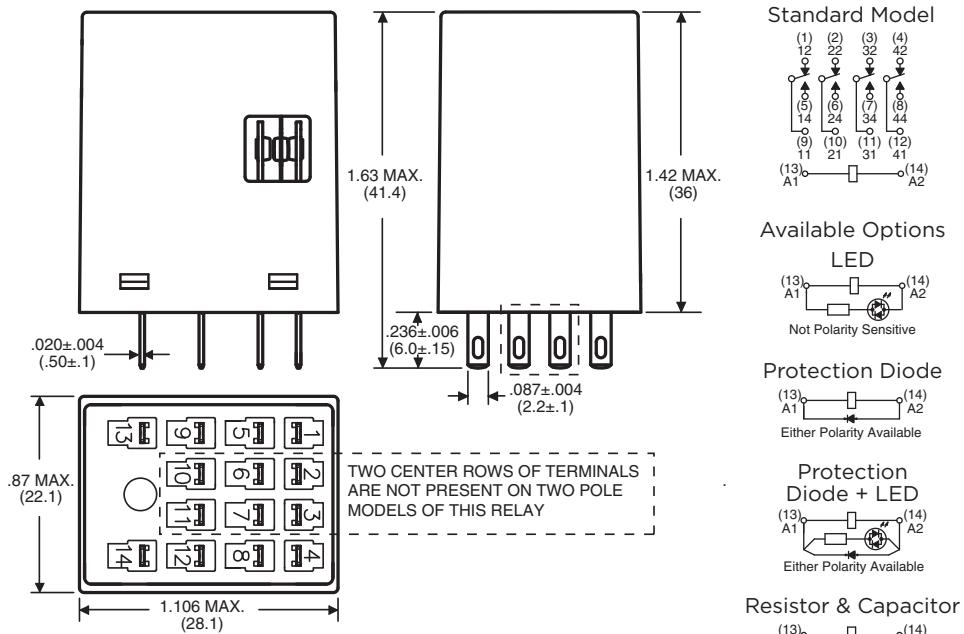


PRODUCT OFFERING

Part Number	Contact Arrangement	Termination	Coil Voltage	Opt. Circuit	Internal Part Number
PT22A512B	2 Form C (DPDT)	Plug-inr	12VAC	None	0-1721215-2
PT22A524B	2 Form C (DPDT)	Plug-in	24VAC	None	0-1721215-3
PT22A615B	2 Form C (DPDT)	Plug-in	115VAC	None	0-1721215-7
PT22AR12B	2 Form C (DPDT)	Plug-in	12VAC	LED	0-1721216-2
PT22AR24B	2 Form C (DPDT)	Plug-in	24VAC	LED	0-1721216-3
PT22AS15B	2 Form C (DPDT)	Plug-in	115VAC	LED	0-1721216-7
PT52A512B	4 Form C (4PDT)	Plug-in	12VAC	None	0-1721219-2
PT52A524B	4 Form C (4PDT)	Plug-in	24VAC	None	0-1721219-3
PT52A615B	4 Form C (4PDT)	Plug-in	115VAC	None	1-1721219-7
PT52AR12B	4 Form C (4PDT)	Plug-in	12VAC	LED	0-1721220-2
PT52AR24B	4 Form C (4PDT)	Plug-in	24VAC	LED	0-1721220-3
PT52AS15B	4 Form C (4PDT)	Plug-in	115VAC	LED	0-1721220-7
PT22A012B	2 Form C (DPDT)	Plug-in	12VDC	None	0-1721223-2
PT22A024B	2 Form C (DPDT)	Plug-in	24VDC	None	0-1721223-3
PT52A012B	4 Form C (4PDT)	Plug-in	12VDC	None	0-1721227-2
PT52A024B	4 Form C (4PDT)	Plug-in	24VDC	None	0-1721227-3
PT22B012B	2 Form C (DPDT)	PC Board/Solder	12VDC	None	0-1721239-2
PT22B024B	2 Form C (DPDT)	PC Board/Solder	24VDC	None	0-1721239-3
PT52B012B	4 Form C (4PDT)	PC Board/Solder	12VDC	None	0-1721243-2
PT52B024B	4 Form C (4PDT)	PC Board/Solder	24VDC	None	0-1721243-3

Chart above reflects some of the more common part numbers. Relays with other options are available, as are accessories.
NOTE: All part numbers are RoHS compliant.

OUTLINE DIMENSIONS & WIRING DIAGRAMS



PTH series relays with printed circuit terminals are also available.

Note: Specifications and availability are subject to change without notice. Consult data sheet 4-1773449-7 for detailed specifications.

FOR MORE INFORMATION

Technical Support

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South America: 55-11-2103-6000
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Japan: 81-44-844-8013
UK: 44-208-420-8341

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