

### Models Available

#### PT Schrack 4 Pole Plug-in Relay

### Product Features

- 4 pole changeover contacts
- 6 Amp contact rating
- Cadmium-free contacts
- Choice of DC or AC coils
- Mechanical indicator
- Push to test and latch system
- White write-on panel
- DIN rail mounting base available
- Lloyds register type approval
- Approvals



## PT Series

Schrack PT series plug-in relays are 14 pin (4 pole) relays, suitable for a large range of control and automation applications.

The PT relays are available with a wide range of AC and DC coil voltages and have silver alloy contacts ensuring a high switching current capability and a reliable, long operational life.

Relay bases with self opening rising clamp terminals and captive screws are available for mounting to 35mm DIN rail.

Additional optional extras for the Schrack relays are available including retaining clips, protection diodes and LED modules - please contact sales for further information.

## For use in control and automation applications

### Specification - Relay

#### Contact Configuration:

- 4 pole changeover contacts

#### Contact Voltage Rating:

- 250Vac/30Vdc (Maximum 250Vac)

#### Rated Current:

- 6A ac/dc (make current 12A)

#### Rated Breaking Capacity:

- 1500VA

#### Contact Material:

- AgNi 90/10

#### Mechanical Life:

- > 20,000,000 operations

#### Electrical Life:

- 100,000 operations

#### Maximum Switching Rate:

- Mechanically 36000 operations/hour
- Full load 360 operations/hour

#### Test Voltage:

- coil-contact 2.5kV rms 50Hz / 1 min
- pole-pole 2.0kV rms 50Hz / 1 min
- contact-contact 1.5kV rms 50Hz / 1 min

#### Enclosure Code:

- IP50

#### Operate/Release/Bounce Time:

- 15ms / 10ms / 5ms

#### Operating Temperature:

- DC: -45°C to 70°C, AC: -45°C to 70°C

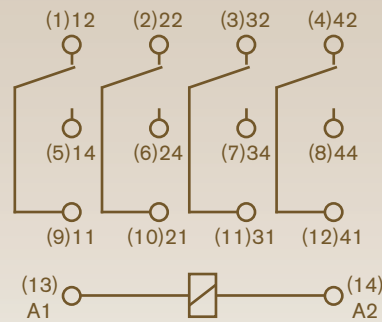
#### Weight:

- 30 grams

#### Markings:

- CE marked

### Connections

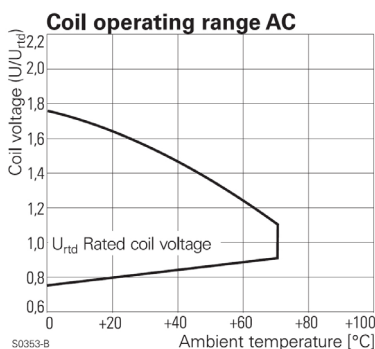
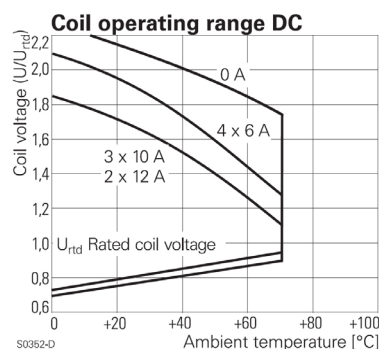
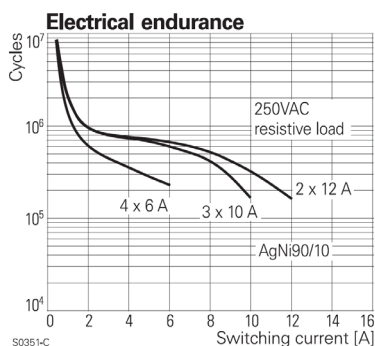
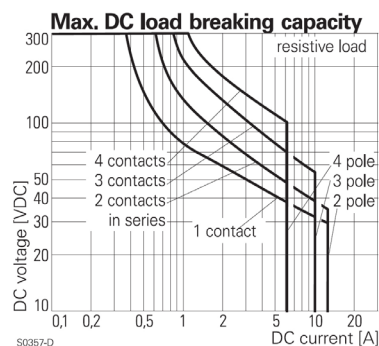


View on pins

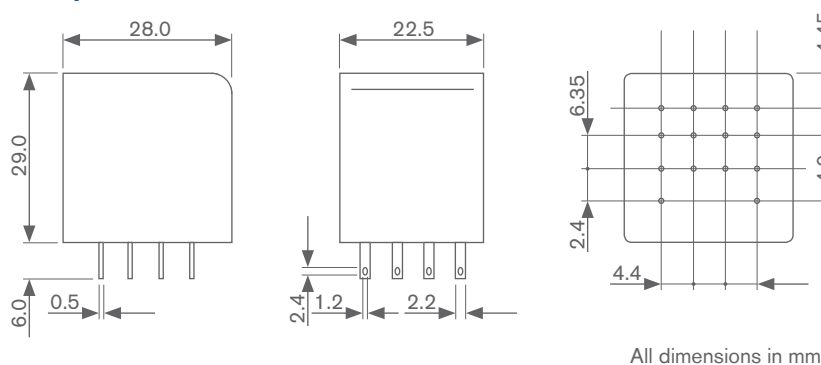
### Coil Data

Coil Code	Nominal Voltage	Pull In Voltage	Release Voltage	Coil Resistance	Coil Current
012	12Vdc	9.0Vdc	1.2Vdc	192Ω ± 10%	62.5mA
024	24Vdc	18.0Vdc	2.4Vdc	777Ω ± 10%	31.3mA
048	48Vdc	36.0Vdc	4.8Vdc	3072Ω ± 12%	15.6mA
110	110Vdc	82.5Vdc	11.5Vdc	16133Ω ± 15%	6.8mA
512	12Vac	9.6Vac	3.6Vac	48Ω ± 10%	83.3mA
524	24Vac	19.2Vac	7.2Vac	192Ω ± 10%	41.6mA
548	48Vac	38.4Vac	14.4Vac	777Ω ± 10%	21.3mA
615	115Vac	92.0Vac	34.5Vac	4845Ω ± 12%	8.8mA
730	230Vac	184.0Vac	69.0Vac	19465Ω ± 15%	4.3mA

## Performance Graphs



## Relay Dimensions



## Ordering information

Code	Relay/Base Type	Voltage
PT570	14 Pin 4 Pole Plug-in Relay	—
012	—	12Vdc
024	—	24Vdc
048	—	48Vdc
110	—	110Vdc
512	—	12Vac
524	—	24Vac
548	—	48Vac
615	—	115Vac
730	—	230Vac
PT78740	14 Pin Relay DIN Rail Mounting Base	—
<b>Example</b>	<b>PT570</b>	<b>730</b>
	<b>with PT78740</b>	

## Specification - Relay Base

### Rated Current:

- 6A

### Rated Voltage:

- 300Vac

### Test Voltage:

- coil-contact 3.0kV rms 50Hz / 1 min

### Operating Temperature:

- -45°C to 70°C

### Enclosure Code:

- IP20

### Protection Against Accidental Contact:

- VBG 4

### Mounting:

- To 35mm DIN rail (DIN-EN 50022)

### Wire Cross Section:

- 2 x 2.5mm<sup>2</sup>

### Weight:

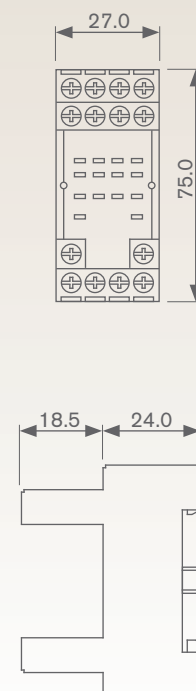
- 60 grams

### Markings:

- CE marked

Specification subject to change without notice.

## Relay Base Dimensions



All dimensions in mm