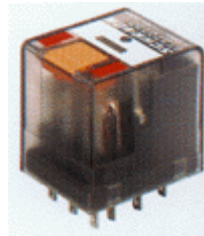




Relay Catalog

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Miniature Relay PT

Ordering Designation: PT - 570 - 524
 Dimensions (L x W x H): 28 mm x 22.5 mm x 29 mm



Components
with
system
vision

Features	Typical Applications
<ul style="list-style-type: none"> ■ 2, 3 or 4 C/O contacts ■ Cadmium-free contact material ■ Manual test tab, optionally lockable ■ Mechanical indicator ■ Relay height 29 mm ■ Switching performance up to 3000 VA ■ White marking tabs 	<ul style="list-style-type: none"> ■ Measuring and test equipment ■ Universal use in control and autom:

Design	
Terminal Design:	Solder/plug-in terminals
Case Sealing:	Dust protected
Version:	Standard, AMP 2.8; with test button

Dimensions (max.)	
Length:	28 mm
Width:	22.5 mm
Height:	29 mm
Weight:	30 g
Dimensional Drawing:	<p>The drawing shows two views of a component. The left view is a top-down view of a square component with a length of 28 mm and a height of 29 mm. It has four pins extending from the bottom, with a pin height of 6,0 mm and a pin spacing of 0,5 mm. The right view is a side view of a rectangular component with a width of 22,5 mm and a height of 29 mm. It has four pins extending from the bottom, with a pin height of 2,4 mm. The pin spacing is 1,2 mm, and the distance from the right edge to the last pin is 2,2 mm. Below the top views are two cross-sectional views of the component, showing the internal structure and the pins.</p>

All values valid at reference temp.:	20 °C
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Contact side	
Contact Configuration (number and type)	
Changeover:	4
Contact type :	
Single contact	Yes
Pin assignment:	
Rated current:	Break: 6 A, Make: 6 A
Make current max.:	Off: 12 A, On: 12 A
Break current max.:	Off: 6 A, On: 6 A
Limiting cont. current at ref. temp.:	Break: 6 A, Make: 6 A
Switching voltage :	
Max. AC:	250 V
Switching power (see load limit curve)	
Contact material:	AgNi 90/10
Note:	Approvals on request

Energizing Side	
Switching behavior:	monostabil
Actuating system:	AC
Magnet system:	Nonpolarized
Number of coils:	1
Nominal voltage:	24 V
Coil resistance at ref. temp. 20 °C:	192 Ohm +/- 19.2 Ohm
Nominal power at ref. temp.:	1 VA
Operating voltage range	
Must operate voltage (Minimum voltage without pre-energizing):	19.2 V
Min. release voltage:	7.2 V
Switching times	
Operate time at nominal voltage, typ.:	15 ms
Release time typ.	
without coil suppression:	10 ms
Bounce time typ.	
Break contact:	5 ms
Make contact:	5 ms

Insulation	
Tracking resistance of the base acc. to IEC 112:	CTI 175
Insulation by IEC 664/VDE 110 (1/89)	
Rated voltage:	250 V
Pollution degree:	3
Overvoltage category:	III
Nominal voltage VDE 110 (2/79)	
Insulation Group B:	250 V
Insulation Group C:	250 V
Dielectric test voltage AC	
Contact/Coil:	2.5 kV
Between neighbouring contacts:	2 kV
At open contact:	1.5 kV

General data	
Permissible ambient temp. in operation:	Min. -45 °C , Max. 70 °C
Mechanical endurance:	20000000 switching cycles
Flammability to UL:	V-0
Electrical endurance (Graphic):	

Operating conditions	
Vibration resistance:	NO: >7 * 9,81m/s ² ; NC: >4 * 9,81m/s ²
Shock resistance:	NO: >20*9,81 m/s ² ; NC: >5*9,81 m/s ²

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