



Relay Catalog

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Miniature Relay PT

Ordering Designation: PT - 570 - 615
 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 automatio

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

Dimensions (max.)

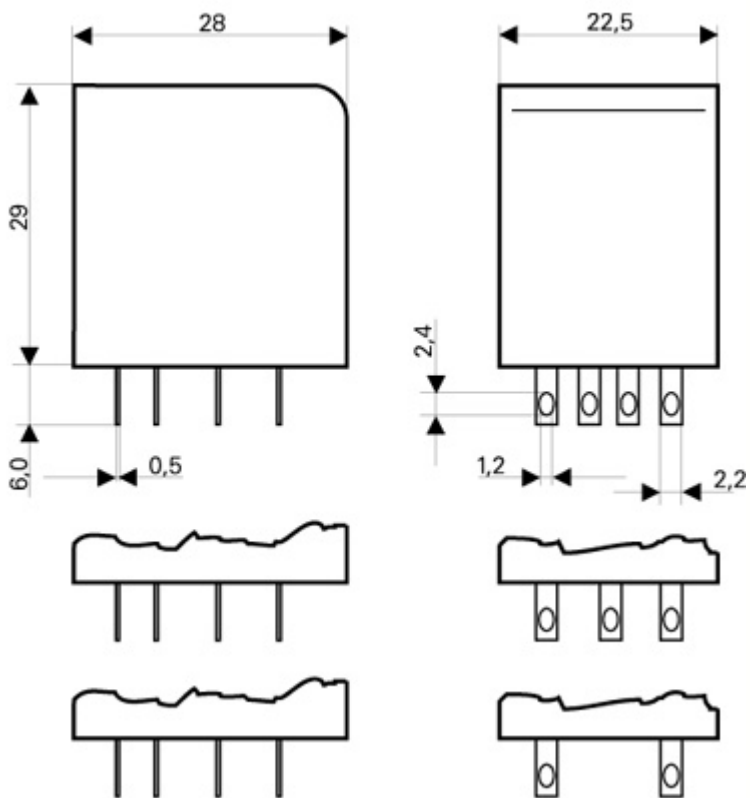
Length: 28 mm

Width: 22.5 mm

Height: 29 mm

Weight: 30 g

Dimensional Drawing:



All values valid at reference temp.:

20 °C

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:	115 V
Coil resistance at ref. temp. 20 °C:	4845 Ohm +/- 581.4 Ohm
Nominal power at ref. temp.:	1 VA
Operating voltage range	
Must operate voltage (Minimum voltage without pre-energizing):	92 V
Min. release voltage:	34.5 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
Overtoltage 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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