

Relay Package PT

2 pole 12 A, 3 pole 10 A or 4 pole 6 A
DC- or AC coil



Features

- Relay package consisting of PT relay, DIN-rail socket, plastic retaining clip, module and marking tag
- 2, 3 or 4 C/O
- Mechanical and electrical indicator
- Manual test tab, optionally lockable



Technical data of approved types on request

F0253-AC

Contact data	PT2S	PT3S	PT5S
Configuration	2 C/O	3 C/O	4 C/O
Type of contact	single contacts		
Rated current	12 A	10 A	6 A
Rated voltage / max. breaking voltage AC	250 Vac	250 Vac	250 Vac
Maximum switching voltage	440 Vac	440 Vac	250 Vac
Maximum breaking capacity AC	3000 VA	2500 VA	1500 VA
Make current	24 A	20 A	12 A
Contact material	AgNi 90/10, AgNi 90/10 gold plated		
Minimum contact load	24 V, 10 mA / 20 mV, 1 mA gold plated		

Contact ratings			
Type	Load	Operations	Standard
PT570	6 A, 250 Vac, on the C/O contact	1x10 ⁵	VDE 0435

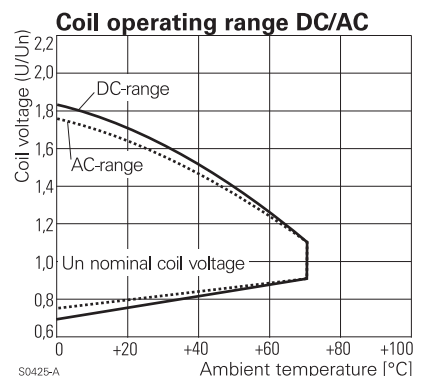
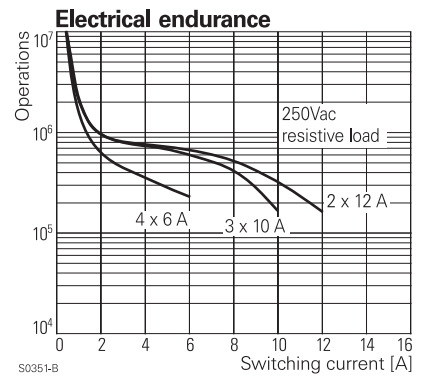
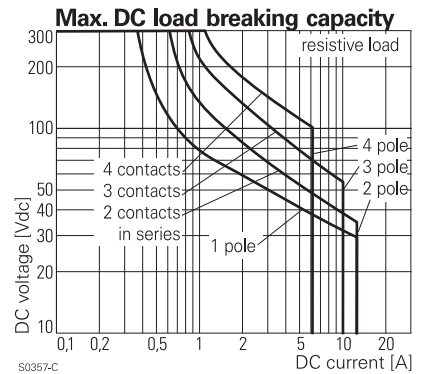
Coil data		
Nominal voltage	DC coil	12, 24 Vdc
	AC coil	24, 230 Vac
Nominal coil power	DC coil	typ. 0.75 W
	AC coil	typ. 1.0 VA
Operate category	2 / b	
Operating range for AC coil 60Hz at 70°C	90...110% U _{nom}	

Coil versions, DC-coil with LED and protection diode					
Coil code	Nominal voltage Vdc	Pull-in voltage Vdc	Release voltage Vdc	Coil resistance Ω	Coil current mA
LB2	12	9.0	1.2	192±10%	62.5
LC4	24	18.0	2.4	777±10%	31.3

All figures are given for coil without preenergization, at ambient temperature +20°C

Coil versions, AC-coil with LED and varistor					
Coil code	Nominal voltage Vdc	Pull-in voltage Vdc	Release voltage Vdc	Coil resistance Ω	Coil current mA
RC4	24	19.2	7.2	192±10%	41.6
TD0	230	184.0	69.0	19465±15%	4.3

All figures are given for coil without preenergization, at ambient temperature +20°C



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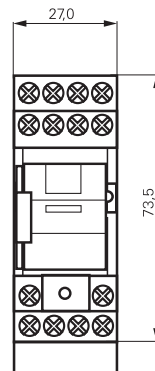
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Insulation	PT2S	PT3S	PT5S
Dielectric strength coil-contacts	2500 V _{rms}	2500 V _{rms}	2500 V _{rms}
open contact circuit in unenergized position typ.	1500 V _{rms}	1500 V _{rms}	1500 V _{rms}
adjacent contacts	2500 V _{rms}	2500 V _{rms}	2000 V _{rms}
Clearance / creepage	3 / 4 mm	2.6 / 4 mm	1.8 / 3 mm
Insulation to IEC 60664			
Voltage rating	240 V	240 V	240 V
Pollution degree	3	3	2
Overvoltage category	III	III	III
Insulation to 0110b (2/79)			
Insulation category / ref. voltage	C / 250	C / 250	B / 250
Tracking resistance of relay base		CTI 175	

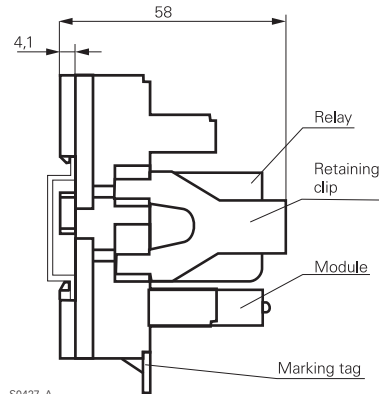
Other data		
Flammability class according UL 94		V-0
Ambient temperature	DC-coil	-40...+50 °C
	AC-coil	-40...+50 °C
Mechanical life	DC-coil	>30x10 ⁶
	AC-coil	>20x10 ⁶
Max. switching rate at rated- / minimum load		6 min ⁻¹ / 600 min ⁻¹
Operate- / release time		15 / 10 ms
Bounce time		5 ms
Vibration resistance N/O contact / N/C contact		>7 / 4 g
Shock resistance (function) N/O contact / N/C contact		>20 / 5 g
Category of protection		IP 20
Packaging unit		5 pcs.
Protection against accidental contact meets		VBG 4
Wire cross section		2 x 2.5 mm ²
with bootlace crimp		2 x 1.5 mm ²
Terminal torque		0.5 Nm
max.		0.7 Nm

Dimensions

Dimensions in mm



S0427_A



S0427_A

Product key



Type

Contact configuration

2S Relay set: PT 2 C/O contacts, red LED

3S Relay set: PT 3 C/O contacts, red LED

5S Relay set: PT 4 C/O contacts, red LED

Contact material

7 AgNi 90/10, with test button

8 AgNi 90/10, gold plated, with test button

Coil

LB2 12 Vdc

LC4 24 Vdc

RC4 24 Vac

TD0 230 Vac

Other types on request.

Product key	Socket	Retainer	Marking tag	Module	Relay	Coil	Part number
PT2S7LB2	PT78720	PT17016	PT17040	PTML0024	PT270012	12 Vdc	7-1415074-1
PT2S7LC4				PT270024	24 Vdc	8-1415074-1	
PT2S7RC4				PTM0524	PT270R24	24 Vac	5-1415074-1
PT2S7TD0				PTM0730	PT270T30	230 Vac	6-1415074-1
PT3S7LB2	PT78730			PTML0024	PT370012	12 Vdc	1-1415075-1
PT3S7LC4				PT370024	24 Vdc	2-1415075-1	
PT3S7RC4				PTM0524	PT370R24	24 Vac	9-1415074-1
PT3S7TD0				PTM0730	PT370T30	230 Vac	0-1415075-1
PT5S7LB2	PT78740			PTML0024	PT570012	12 Vdc	9-1415075-1
PT5S7LC4				PT570024	24 Vdc	0-1415076-1	
PT5S7RC4				PTM0524	PT570R24	24 Vac	7-1415075-1
PT5S7TD0				PTM0730	PT570T30	230 Vac	8-1415075-1
PT5S8LB2				PTML0024	PT580012	12 Vdc	5-1415075-1
PT5S8LC4				PT580024	24 Vdc	6-1415075-1	
PT5S8RC4				PTM0524	PT580R24	24 Vac	3-1415075-1
PT5S8TD0				PTM0730	PT580T30	230 Vac	4-1415075-1