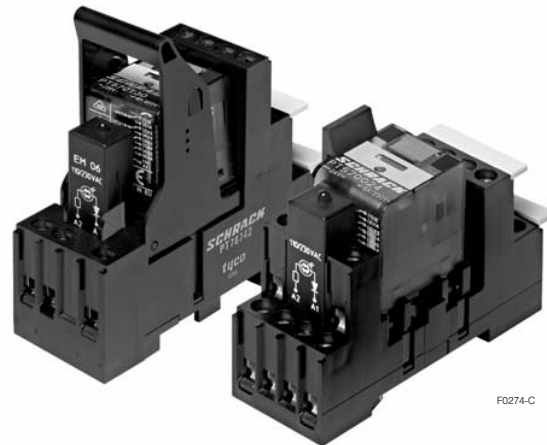


Relay Package PT

- Relay package consisting of PT relay, DIN-rail socket, plastic retaining clip, module and marking tag
- 2 pole 12 A, 3 pole 10 A or 4 pole 6 A
- DC- or AC coil
- Mechanical and electrical indicator
- Manual test tab, optionally lockable
- RoHS compliant (Directive 2002/95/EC) as per production date code 0535



F0274-C

Approvals

Relay: REG.-Nr. 115719, US E214025, 00/20059(E2)

Socket: REG.-Nr. 115719, US E135149

Technical data of approved types on request

Contact data	PT2	PT3	PT5
Contact configuration	2 CO	3 CO	4 CO
Contact set	single contact		
Type of interruption	micro disconnection		
Rated current	12 A	10 A	6 A
Limiting continuous current	see derating curve		
Rated voltage / max.switching voltage AC	240/400 VAC	240/400 VAC	240/240 VAC
Maximum breaking capacity AC	3000 VA	2500 VA	1500 VA
Limiting making capacity, max 20 ms	24 A	20 A	12 A
Contact material	AgNi90/10, AgNi90/10 gold plated		
Minimum contact load	12V/10mA, 20mV/1mA gold plated		
Mechanical endurance DC coil	30x10 ⁶ cycles		
AC coil	20x10 ⁶ cycles		
Rated frequency of operation with / without load	6/600 min ⁻¹		

Contact ratings

For contact ratings see datasheet Miniature Relay PT

Coil data

Rated coil voltage range DC coil	6...220 VDC
AC coil	6...230 VAC
Coil power DC coil	0.75 mW
AC coil	1.0 VA
Operative range DC coil, AC-coil 50Hz	2
AC coil 60 Hz at 70°C, % of U _{rid}	90..110%

Coil versions, DC-coil

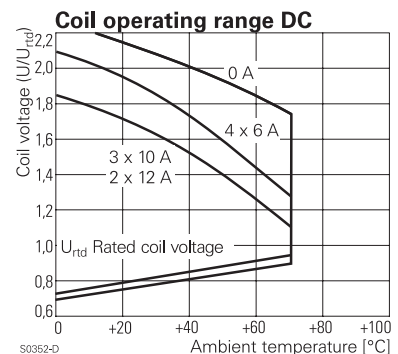
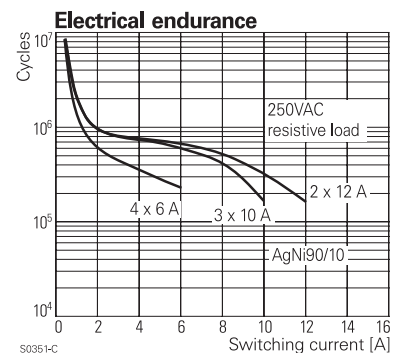
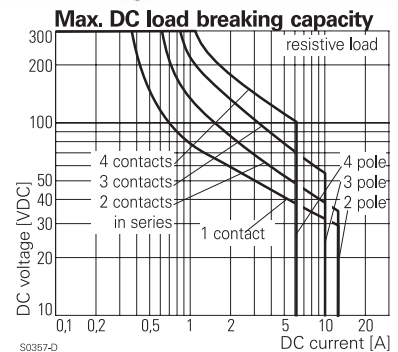
Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ohm	Rated coil power mW
LED+PD *)					
LB2	12	9.0	1.2	192±10%	750
LC4	24	18.0	2.4	777±10%	741

*) Protection diode PD

Coil versions, AC-coil 50/60 Hz

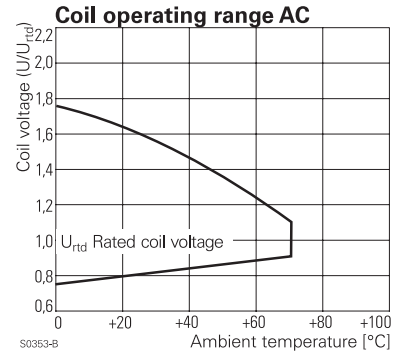
Coil code	Rated voltage VAC	Operate voltage 50/60Hz VAC	Release voltage 50/60Hz VAC	Coil resistance Ohm	Rated coil power 50/60Hz VA
RC4	24	19.2/21.6	7.2	192±10%	1.0/0.79
SB5	115	92.0/103.5	34.5	4845±12%	1.0/0.86
TDO	230	184.0/207.0	69.0	19465±15%	1.0/0.90

All figures are given for coil without preenergization, at ambient temperature +23°C
Other coil voltages on request

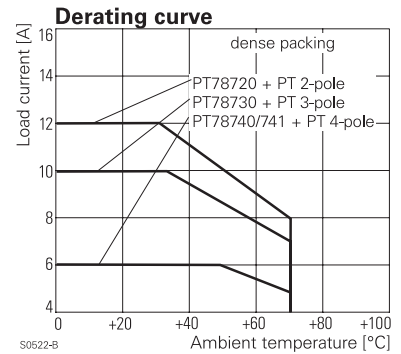
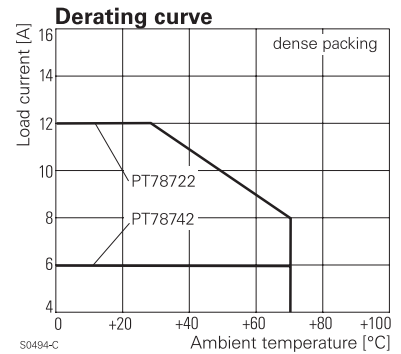


Relay Package PT (Continued)

Insulation	PT2	PT3	PT5
Dielectric strength coil-contact circuit	2500 V _{rms}	2500 V _{rms}	2500 V _{rms}
open contact circuit	1200 V _{rms}	1200 V _{rms}	1200 V _{rms}
adjacent contact circuits	2500 V _{rms}	2500 V _{rms}	2000 V _{rms}
Clearance / creepage coil-contact circuit	≥ 4/4 mm	≥ 4/4 mm	≥ 4/4 mm
adjacent contact circuits	≥ 3.5/9.5 mm	≥ 2.6/3.5 mm	≥ 1.8/3.5 mm
Material group of insulation parts		≥ IIIa	
Insulation to IEC 60664-1			
Type of insulation coil-contact circuit		basic	
open contact circuit		functional	
adjacent contact circuits		basic	
Rated insulation voltage		250 V	
Pollution degree		2	
Rated voltage system		230/400 V	
Overvoltage category		III	

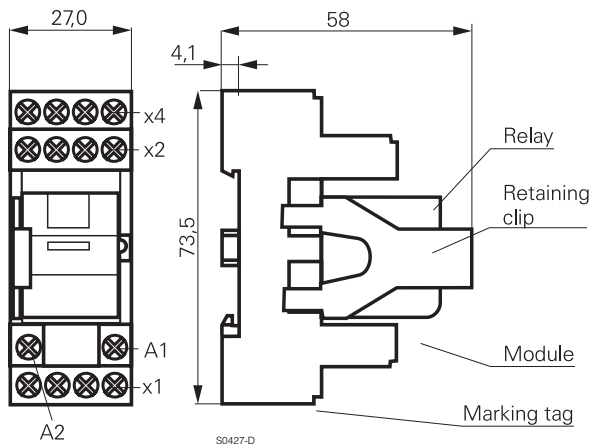


Other data	PT2	PT3	PT5
RoHS - Directive 2002/95/EC	compliant as per product date code 0535		
Ambient temperature range	-40...+70°C		
Terminals	screw		
Terminal screw torque acc. IEC 61984	0.5 Nm		
max.	0.7 Nm		
Wire cross section			
single wire	2 x 2.5 mm ²		
fine wire	2 x 2.5 mm ²		
with bootlace crimp (DIN 46228/1)	2 x 1.5 mm ²		
Insertion cycles	A (10)		
Max. Insertion Force total	100 N		
Mounting distance	0, dense packing		
Weight with PT 78 720 / PT 78 730 / PT 78 740	71 g	78 g	85 g
with PT 78 722 / PT 78 742	74 g	-	90 g
Packaging unit	5 pcs		

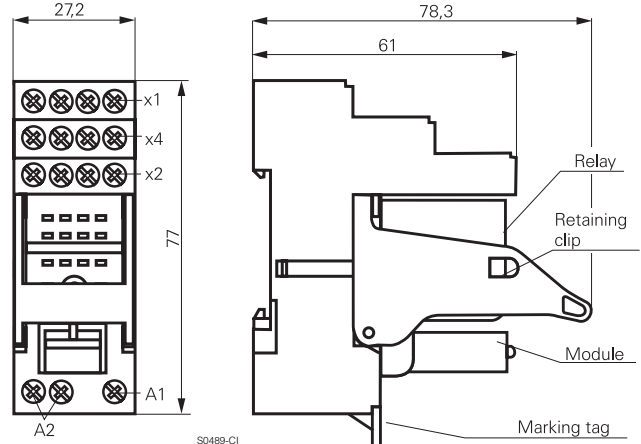


Dimensions

Package with PT 78 720 / PT 78 730 / PT 78 740



Package with PT 78 722 / PT 78 742



Relay Package PT (Continued)

Product key

Type

Version

- 2S** Relay set: PT 2-pole CO contacts, red LED
- 3S** Relay set: PT 3-pole CO contacts, red LED
- 5S** Relay set: PT 4-pole CO contacts, red LED
- 2L** Relay set: PT 2-pole CO contacts, red LED, with logical arrangement of control / load terminals
- 5L** Relay set: PT 4-pole CO contacts, red LED, with logical arrangement of control / load terminals

Contact material

- 7** AgNi 90/10, with test button
- 8** AgNi 90/10 gold plated, with test button

Coil

- LB2** 12 VDC
- RC4** 24 VAC
- TD0** 230 VAC
- LC4** 24 VDC
- SB5** 115 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				PTMV0524	PT270R24	24 VAC	5-1415074-1
PT2S7SB5					PT270S15	115 VAC	2-1415366-1
PT2S7TD0					PT270T30	230 VAC	6-1415074-1
PT3S7LB2	PT78730			PTML0024	PT370012	12 VDC	1-1415075-1
PT3S7LC4					PT370024	24 VDC	2-1415075-1
PT3S7RC4				PTMV0524	PT370R24	24 VAC	9-1415074-1
PT3S7SB5					PT370S15	115 VAC	1-1415366-1
PT3S7TD0					PT370T30	230 VAC	0-1415075-1
PT5S7LB2	PT78740			PTML0024	PT570012	12 VDC	9-1415075-1
PT5S7LC4					PT570024	24 VDC	0-1415076-1
PT5S7RC4				PTMV0524	PT570R24	24 VAC	7-1415075-1
PT5S7SB5					PT570S15	115 VAC	0-1415366-1
PT5S7TD0					PT570T30	230 VAC	8-1415075-1
PT5S8LB2				PTML0024	PT580012	12 VDC	5-1415075-1
PT5S8LC4					PT580024	24 VDC	6-1415075-1
PT5S8RC4					PT580R24	24 VAC	3-1415075-1
PT5S8TD0	PT78722	PT17021		PTMV0730	PT580T30	230 VAC	4-1415075-1
PT2L7LB2					PT270012	12 VDC	8-1415534-7
PT2L7LC4				PTML0024	PT270024	24 VDC	8-1415534-9
PT2L7RC4					PT270R24	24 VAC	9-1415534-0
PT2L7SB5					PT270S15	115 VAC	9-1415534-2
PT2L7TD0	PT78742			PTMV0730	PT270T30	230 VAC	9-1415534-4
PT5L7LB2					PT570012	12 VDC	0-1415535-7
PT5L7LC4				PTML0024	PT570024	24 VDC	0-1415535-9
PT5L7RC4					PT570R24	24 VAC	1-1415535-1
PT5L7SB5					PT570S15	115 VAC	1-1415535-3
PT5L7TD0				PTMV0730	PT570T30	230 VAC	1-1415535-5
PT5L8LB2					PT580012	12 VDC	1-1415535-7
PT5L8LC4					PT580024	24 VDC	1-1415535-8
PT5L8RC4				PTMV0524	PT580R24	24 VAC	1-1415535-9
PT5L8TD0					PT580T30	230 VAC	2-1415535-0