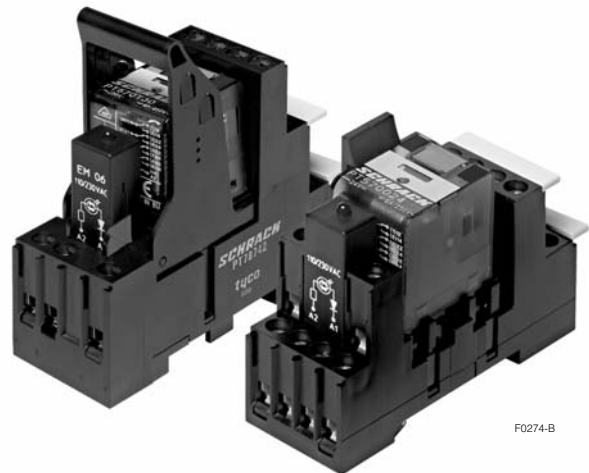


- Relay package consisting of PT relay, DIN-rail socket, plastic retaining clip, module and marking tag
- 2 pole 12 A, 3 pole 10 A or 4 pole 6 A
- DC- or AC coil
- Mechanical and electrical indicator
- Manual test tab, optionally lockable
- RoHS compliant (Directive 2002/95/EC) as per production date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



F0274-B

**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 <sup>6</sup> cycles		
AC coil	20x10 <sup>6</sup> cycles		
Rated frequency of operation with / without load	6/600 min <sup>-1</sup>		

**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 <sub>rd</sub>	90..110%

**Coil versions, DC-coil**

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

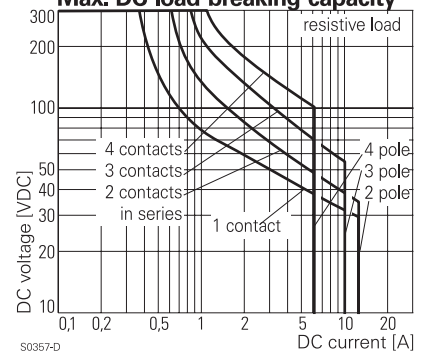
\*) Protection diode PD

**Coil versions, AC-coil 50/60 Hz**

Coil code	Rated voltage	Operate voltage	Release voltage	Coil resistance	Rated coil power
LED	50/60Hz	50/60Hz	50/60Hz	Ohm	50/60Hz VA
	VAC	VAC	VAC	Ohm	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
TD0	230	184.0/207.0	69.0	19465±15%	1.0/0.90

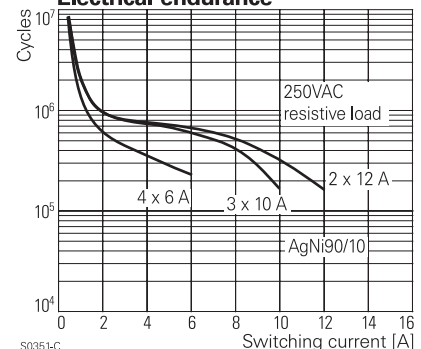
All figures are given for coil without preenergization, at ambient temperature +23°C  
Other coil voltages on request

**Max. DC load breaking capacity**



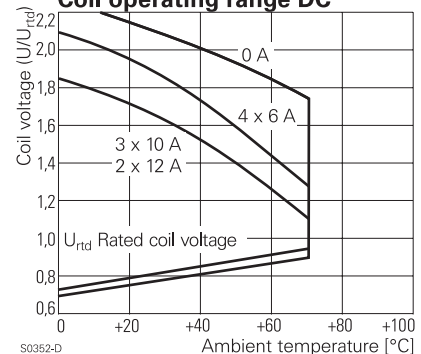
S0357-D

**Electrical endurance**



S0351-C

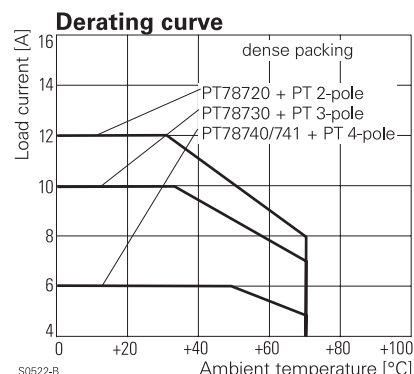
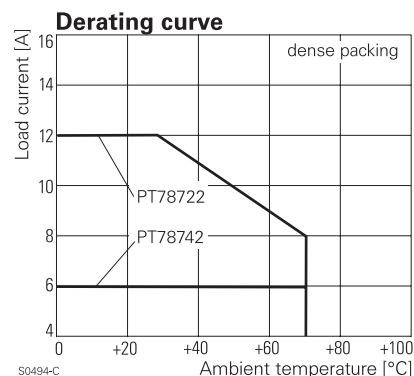
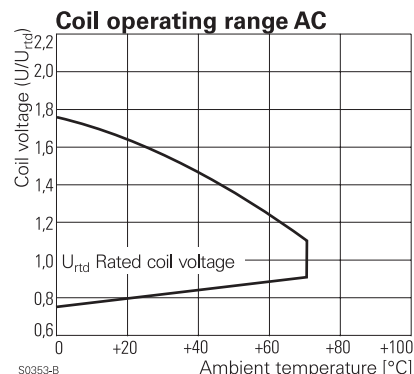
**Coil operating range DC**



S0352-D

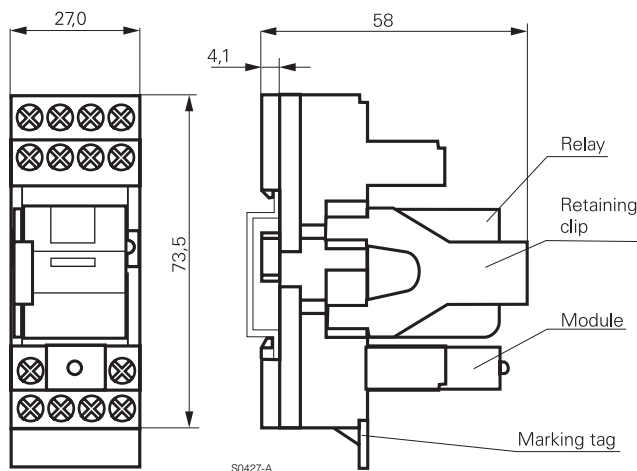
Insulation	PT2	PT3	PT5
Dielectric strength coil-contact circuit	2500 V <sub>rms</sub>	2500 V <sub>rms</sub>	2500 V <sub>rms</sub>
open contact circuit	1200 V <sub>rms</sub>	1200 V <sub>rms</sub>	1200 V <sub>rms</sub>
adjacent contact circuits	2500 V <sub>rms</sub>	2500 V <sub>rms</sub>	2000 V <sub>rms</sub>
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		
Operate- / release time	15/10 ms		
Bounce time NO / NC contact	5 ms		
Degree of protection DIN 40050	IP20		
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 <sup>2</sup>		
fine wire	2 x 2.5 mm <sup>2</sup>		
with bootlace crimp (DIN 46228/1)	2 x 1.5 mm <sup>2</sup>		
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		

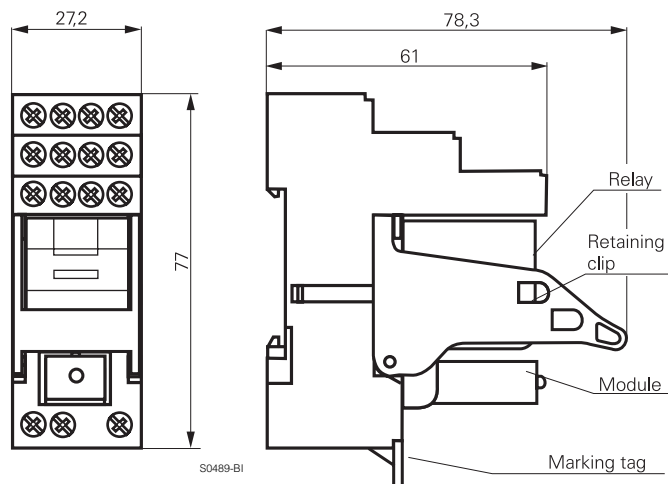


**Dimensions**

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



Package with PT 78 722 / PT 78 742



**Product key**

P	T				
---	---	--	--	--	--

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				PTMV0615	PT270S15	115 VAC	2-1415366-1
PT2S7TD0				PTMV0730	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				PTMV0615	PT370S15	115 VAC	1-1415366-1
PT3S7TD0				PTMV0730	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				PTMV0615	PT570S15	115 VAC	0-1415366-1
PT5S7TD0				PTMV0730	PT570T30	230 VAC	8-1415075-1
PT5S8LB2				PTML0024	PT580012	12 VDC	5-1415075-1
PT5S8LC4					PT580024	24 VDC	6-1415075-1
PT5S8RC4				PTMV0524	PT580R24	24 VAC	3-1415075-1
PT5S8TD0				PTMV0730	PT580T30	230 VAC	4-1415075-1
PT2L7LB2	PT78722	PT17021		PTML0024	PT270012	12 VDC	8-1415534-7
PT2L7LC4					PT270024	24 VDC	8-1415534-9
PT2L7RC4				PTMV0524	PT270R24	24 VAC	9-1415534-0
PT2L7SB5				PTMV0615	PT270S15	115 VAC	9-1415534-2
PT2L7TD0				PTMV0730	PT270T30	230 VAC	9-1415534-4
PT5L7LB2	PT78742			PTML0024	PT570012	12 VDC	0-1415535-7
PT5L7LC4					PT570024	24 VDC	0-1415535-9
PT5L7RC4				PTMV0524	PT570R24	24 VAC	1-1415535-1
PT5L7SB5				PTMV0615	PT570S15	115 VAC	1-1415535-3
PT5L7TD0				PTMV0730	PT570T30	230 VAC	1-1415535-5
PT5L8LB2				PTML0024	PT580012	12 VDC	1-1415535-7
PT5L8LC4					PT580024	24 VDC	1-1415535-8
PT5L8RC4				PTMV0524	PT580R24	24 VAC	1-1415535-9
PT5L8TD0				PTMV0730	PT580T30	230 VAC	2-1415535-0