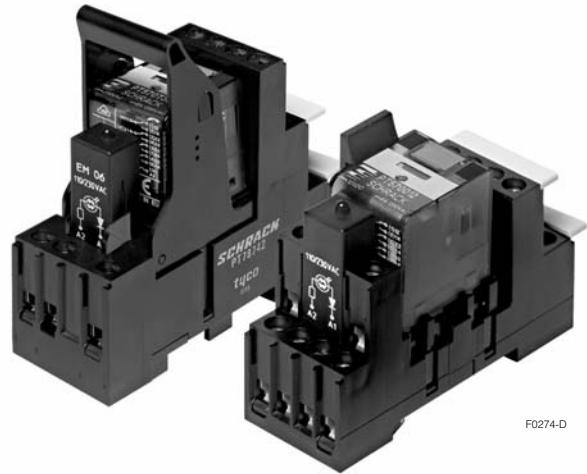


**Relay Package PT**

- 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



F0274-D

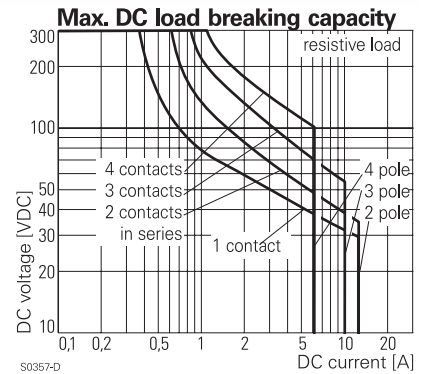
**Approvals**

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 voltage / max. switching voltage AC	240 / 400 VAC	240 / 400 VAC	240 / 240 VAC
Rated current	12 A	10 A	6 A
Limiting continuous current	see derating curve		
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		
Rated frequency of operation with / without load	6 / 600 min <sup>-1</sup>		



S0357-D

**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
Operative range to IEC 61810 DC coil, AC-coil 50Hz	2
AC coil 60 Hz at 70°C, % of U <sub>rated</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 / 60 Hz	50 / 60 Hz	50 / 60 Hz	Ohm	50 / 60 Hz
	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

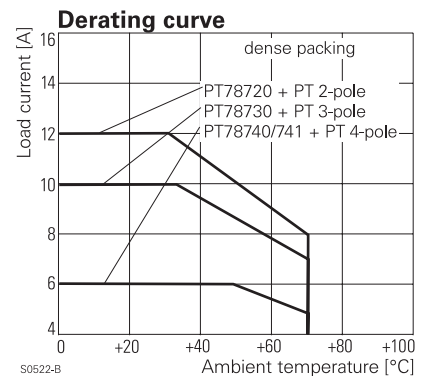
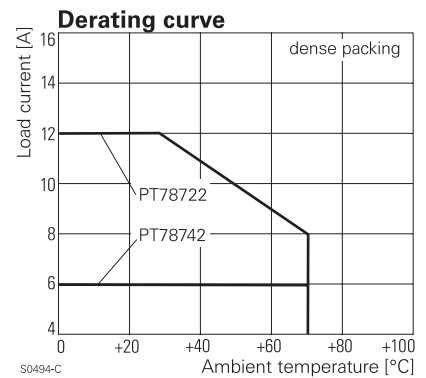
All figures are given for coil without preenergization, at ambient temperature +23°C

Other coil voltages on request

**Relay Package PT (Continued)**

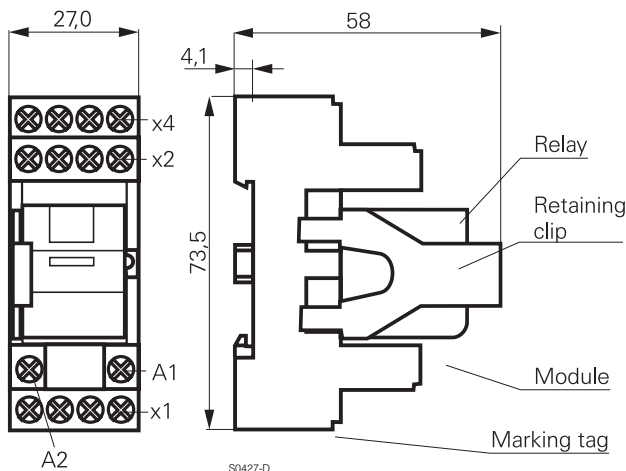
Insulation	PT2	PT3	PT5
Dielectric strength coil-contact circuit	2500 V <sub>rms</sub>	2500 V <sub>rms</sub>	2500 V <sub>rms</sub>
open contact circuit	1200 V <sub>rms</sub>	1200 V <sub>rms</sub>	1200 V <sub>rms</sub>
adjacent contact circuits	2500 V <sub>rms</sub>	2500 V <sub>rms</sub>	2000 V <sub>rms</sub>
Clearance / creepage coil-contact circuit	≥ 4 / 4 mm	≥ 4 / 4 mm	≥ 4 / 4 mm
adjacent cont. 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	micro disconnection		
adjacent contact circuits	basic		
Rated insulation voltage	250 V		
Pollution degree	2	2	2
Rated voltage system	230 / 400 V	240 V	240 V
Overvoltage category	III	III	III

Other data	PT2	PT3	PT5
Mechanical endurance DC coil		30x10 <sup>6</sup> cycles	
AC coil		20x10 <sup>6</sup> cycles	
Material			
RoHS - Directive 2002/95/EC	compliant as per product date code 0535		
Environment			
Ambient temperature range	-40...+70°C		
Processing			
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 of sockets		
Weight with PT78720/PT78730/PT78740	71 g	78 g	85 g
with PT78722/PT78742	74 g	-	90 g
Packaging unit	5 pcs		

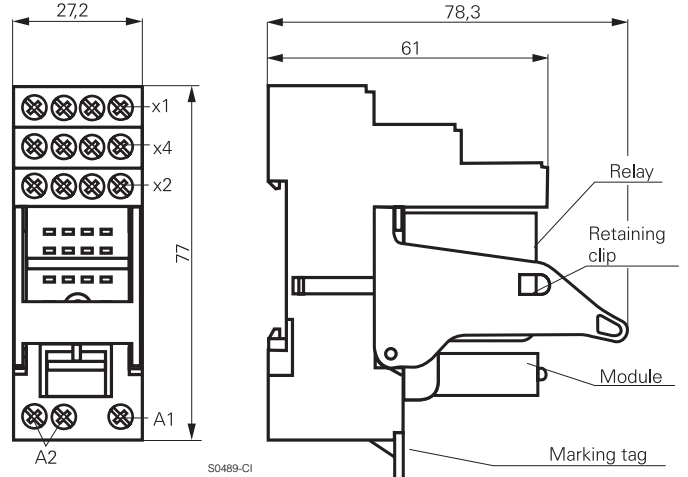


**Dimensions**

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



Package with PT 78 722 / PT 78 742



**Relay Package PT (Continued)**

<b>Product key</b>	Typical product key				<b>PT</b>	<b>5L</b>	<b>8</b>	<b>LC4</b>
<b>Type</b>	PT Relay Package PT							
<b>Version</b>	<b>2S</b> Relay set: PT 2-pole CO contacts (2 form C), red LED <b>3S</b> Relay set: PT 3-pole CO contacts (3 form C), red LED <b>5S</b> Relay set: PT 4-pole CO contacts (4 form C), red LED <b>2L</b> Relay set: PT 2-pole CO contacts (2 form C), red LED, with logical arrangement of control / load terminals <b>5L</b> Relay set: PT 4-pole CO contacts (4 form C), red LED, with logical arrangement of control / load terminals							
<b>Contact material</b>	<b>7</b> AgNi 90/10, with test button				<b>8</b> AgNi 90/10 gold plated, with test button			
<b>Coil</b>	<b>LB2</b> 12 VDC		<b>LC4</b> 24 VDC		<b>RC4</b> 24 VAC		<b>SB5</b> 115 VAC	
	<b>TD0</b> 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				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	1415075-1
PT5S7LB2	PT78740			PTML0024	PT570012	12 VDC	9-1415075-1
PT5S7LC4					PT570024	24 VDC	1415076-1
PT5S7RC4				PTMV0524	PT570R24	24 VAC	7-1415075-1
PT5S7SB5				PTMV0615	PT570S15	115 VAC	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	1415535-7
PT5L7LC4					PT570024	24 VDC	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