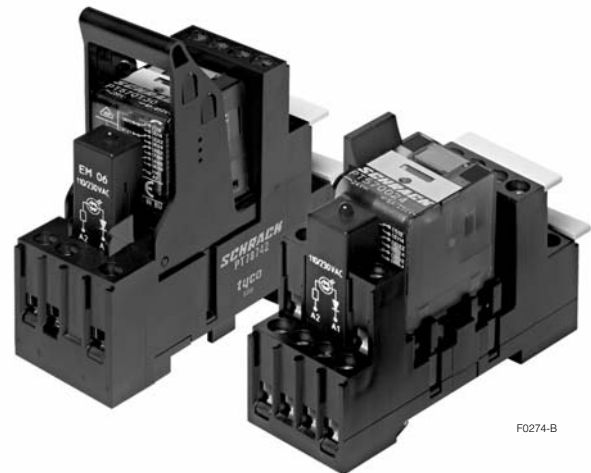


- Relay package consisting of PT relay, DIN-rail socket, plastic retaining clip, module and marking tag
- 2 pole 12 A, 3 pole 10 A or 4 pole 6 A
- DC- or AC coil
- Mechanical and electrical indicator
- Manual test tab, optionally lockable
- RoHS compliant (Directive 2002/95/EC) as per production date 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 ⁶ cycles | | |
| AC coil | 20x10 ⁶ cycles | | |
| Rated frequency of operation with / without load | 6/600 min ⁻¹ | | |

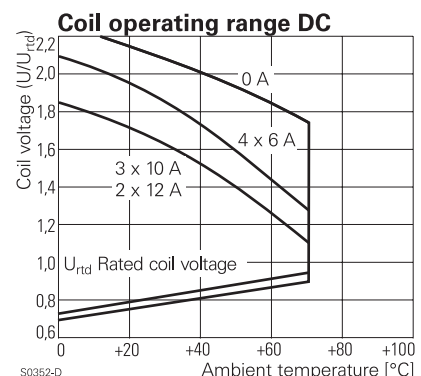
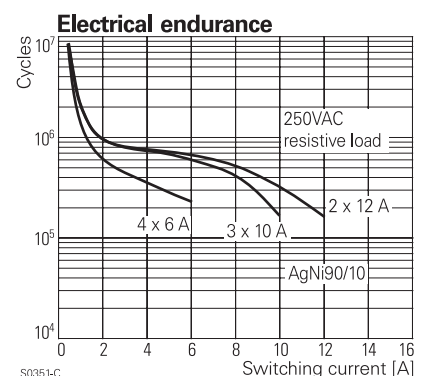
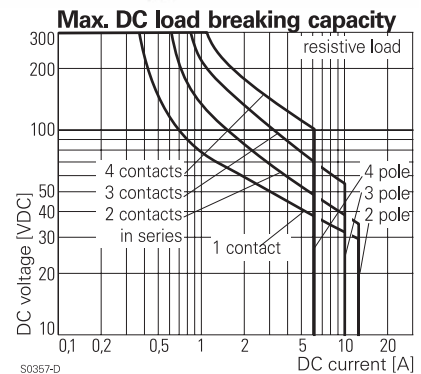
Contact ratings
For contact ratings see datasheet Miniature Relay PT

| 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 _{rd} | 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 |

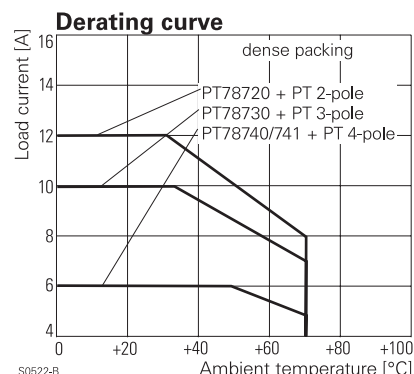
| Coil versions, AC-coil 50/60 Hz | | | | | |
|---------------------------------|---------------|-----------------|-----------------|-----------------|------------------|
| Coil code | Rated voltage | Operate voltage | Release voltage | Coil resistance | Rated coil power |
| LED | VAC | 50/60Hz | 50/60Hz | Ohm | 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 |
| 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



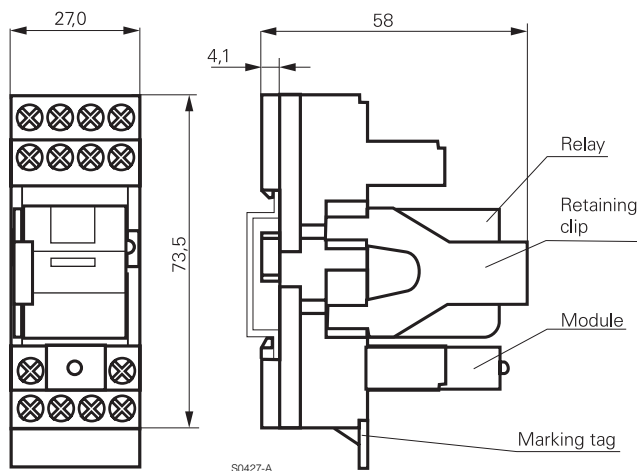
| Insulation | PT2 | PT3 | PT5 |
|---|-----------------------|-----------------------|-----------------------|
| Dielectric strength coil-contact circuit | 2500 V _{rms} | 2500 V _{rms} | 2500 V _{rms} |
| open contact circuit | 1200 V _{rms} | 1200 V _{rms} | 1200 V _{rms} |
| adjacent contact circuits | 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 | | |
| 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 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 | | |

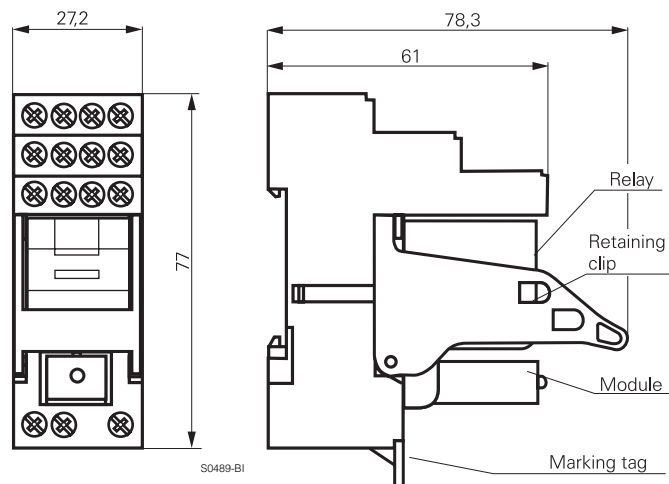


Dimensions

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



Package with PT 78 722 / PT 78 742



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 |



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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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