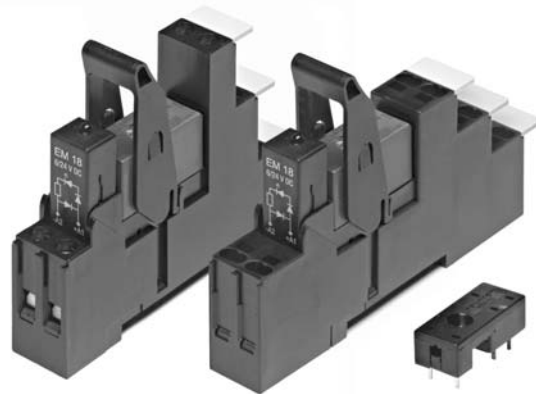


**Accessories Industrial Power Relay RT**

- For Industrial Power Relay RT  
pinnings 3.5mm / 5mm; relay height 15.7 mm
- New retainer clip with ejection function
- Easy replacement of relays on a densely packed DIN rail
- No reduction of protection class or creepage/clearance with plastic retainer
- Simple plug-in indicator- and protection modules
- White snap-on marking tags
- RoHS compliant (Directive 2002/95/EC)



F0228-F

**Premium socket with screwless terminals for DIN rail mounting**

RT 78 72P Premium socket, logical terminal arrangement

- Screwless Clamps
- Mounting of solid wires without tool
- Double Clamps per terminal
- Jumper links for interconnection
- Open coil circuit for active modules
- Logical terminal arrangement



**Approvals**

VDE REG.-Nr. 6106, cULus E135149

**Technical data**

|   |                           |            |
|---|---------------------------|------------|
| Rated current                             | 2 x 8 A, 16 A*)           |            |
| Rated voltage / max. switching voltage AC | 240/400 VAC               |            |
| Dielectric strength coil-contact circuit  | 5000 Vrms                 |            |
|   | open contact circuit      | 1000 Vrms  |
|   | adjacent contact circuits | 2500 Vrms  |
| Clearance / creepage coil-contact circuit | ≥ 10 / 10 mm              |            |
| Material group of insulation parts        | ≥ IIIa                    |            |
| Insulation to IEC 60664-1                 |                           |            |
| Type of insulation coil-contact circuit   | reinforced                |            |
|   | open contact circuit      | functional |
|   | adjacent contact circuits | functional |
| Rated insulation voltage                  | 250 V                     |            |
| Pollution degree                          | 2                         |            |
| Rated voltage system                      | 230/400 V                 |            |
| Overvoltage category                      | III                       |            |
| RoHS - Directive 2002/95/EC               | compliant                 |            |
| Degree of protection DIN 40050            | IP20                      |            |

\*) For 1 pole relays (16 A) the relay terminals 11-21, 12-22 and 14-24 have to be bridged.

- Not suitable for bistable relays with 2 coils!



**Accessories Industrial Power Relay RT (Continued)**

**Technical data (Continued)**

|  |  |
|--|--|
| Ambient temperature range  |  |
| for mounting/handling  | -20...+70°C  |
| in operation   | -40...+70°C  |
| Terminals  | screwless  |
| Wire strip length  | 12 mm  |
| Wire cross section   |  |
| solid wire   | 1 x 0.75/1.5 mm <sup>2</sup><br>2 x 0.75/1 mm <sup>2</sup> |
| with standard isolation (no oversize isolation)  | 2 x 1.5 mm <sup>2</sup>                                    |
| stranded wire  |  |
| without bootlace crimp   | 1 x 0.75/1.5 mm <sup>2</sup><br>2 x 0.75/1 mm <sup>2</sup> |
| without bootlace crimp with standard isolation   | 2 x 1.5 mm <sup>2</sup>                                    |
| with bootlace crimp  | 1 x 0.75/1 mm <sup>2</sup><br>2 x 0.75 mm <sup>2</sup>     |
| with bootlace crimp without isolation  | 1 x 1.5 mm <sup>2</sup>                                    |
| or isolation min 18 mm long  |  |
| For stranded wires with braids 0.05 mm or smaller the use of bootlace crimps is recommended. When using stranded wires without bootlace crimp the clamp must be opened during insertion. |  |
| Insertion cycles   | A (10)   |
| Max. Insertion Force total   | 100 N  |
| Mounting distance  | 0, dense packing   |
| Weight   | 36 g   |
| Packaging unit   | 10 pcs   |

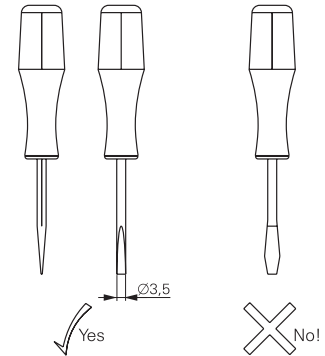
**Socket with screwless terminals for DIN rail mounting**

| Type  | Part Number |
|---|-------------|
| <b>RT 78 72P</b> Premium socket, logical terminal arrangement<br>Socket with screwless terminals,<br>pinning 5 mm for DIN rail mounting | 1860200-1   |

**Accessories for RT 78 72P**

| Type   | Part Number |
|--|-------------|
| <b>RT 17 017</b> Plastic retaining clip, relay height 15.7 | 2022103-1   |
| <b>RT 17 040</b> Marking tag                               | 2-1415038-1 |
| <b>RT 17 0P1</b> Jumper link, max load 12 A                | 1860211-1   |

**How to use, Precautions**



Jumper link



**Accessories Industrial Power Relay RT (Continued)**

**Socket with screw-type terminals for DIN rail mounting**

**RT 78 724** Socket with screw-type terminals, pinning 3.5 mm for DIN rail mounting

**RT 78 726** Socket with screw-type terminals, pinning 5 mm for DIN rail mounting, logical terminal arrangement

- Din-rail socket with logical setup of connections (input/output)
- High quality rising clamp terminals
- Captive combination terminal screws
- Jumper bars for interconnection



**RT 78 725** Socket with screw-type terminals, pinning 5 mm for DIN rail mounting, conventional terminal arrangement

- Conventional terminal arrangement



**Approvals**

VDE REG.-Nr. 6106 in preparation, **UL** US E135149

\*) For 1 pole relays (16 A) the relay terminals 11-21, 12-22 and 14-24 have to be bridged.  
For 1 pole relays (12 A) the relay terminals 11-12-14 have to be connected to the socket terminals 21-12-24

| Technical data                            | RT 78 724 / RT 78 726 | RT 78 725      |
|---|-----------------------|----------------|
| Rated current                             | 12 A, 2 x 8 A, 16 A*) |                |
| Rated voltage / max.switching voltage AC  | 240/400 VAC           |                |
| Dielectric strength coil-contact circuit  | 5000 Vrms             | 4000 Vrms      |
| open contact circuit                      | 1000 Vrms             | 1000 Vrms      |
| adjacent contact circuits                 | 2500 Vrms             | 2500 Vrms      |
| Clearance / creepage coil-contact circuit | ≥ 10 / 10 mm          | ≥ 4.7 / 4.7 mm |
| Material group of insulation parts        | ≥ IIIa                |                |
| Insulation to IEC 60664-1                 |                       |                |
| Type of insulation coil-contact circuit   | reinforced            | basic          |
| open contact circuit                      | functional            | functional     |
| adjacent contact circuits                 | functional            | functional     |
| Rated insulation voltage                  | 250 V                 |                |
| Pollution degree                          | 2                     |                |
| Rated voltage system                      | 230/400 V             |                |
| Overvoltage category                      | III                   |                |
| RoHS - Directive 2002/95/EC               | compliant             |                |
| Degree of protection DIN 40050            | IP20                  |                |
| Ambient temperature range                 |                       |                |
| for mounting/handling                     | -20...+70°C           |                |
| in operation                              | -40...+70°C           |                |

- Not suitable for bistable relays with 2 coils!



**Accessories Industrial Power Relay RT (Continued)**

| Technical data (Continued)                | RT 78 724 / RT 78 726 | RT 78 725               |
|---|-----------------------|-------------------------|
| Terminals                                 |                       | screw                   |
| Terminal screw torque acc. IEC 61984 max. |                       | 0.5 Nm<br>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                                    |                       | 36 g                    |
| Packaging unit                            |                       | 10 pcs                  |

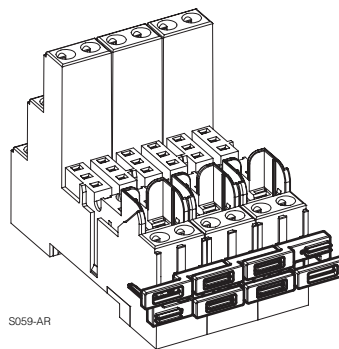


| Socket with screw-type terminals for DIN rail mounting |   |             |
|--|---|-------------|
| Type   |   | Part Number |
| <b>RT 78 724</b>                                       | Socket with screw-type terminals, pinning 3.5 mm for DIN rail mounting, logical terminal arrangement    | 8-1415035-1 |
| <b>RT 78 726</b>                                       | Socket with screw-type terminals, pinning 5 mm for DIN rail mounting, logical terminal arrangement      | 6-1415035-1 |
| <b>RT 78 725</b>                                       | Socket with screw-type terminals, pinning 5 mm for DIN rail mounting, conventional terminal arrangement | 1860306-1   |



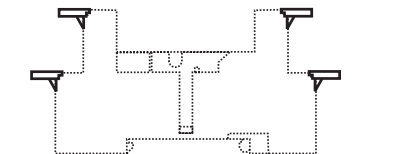
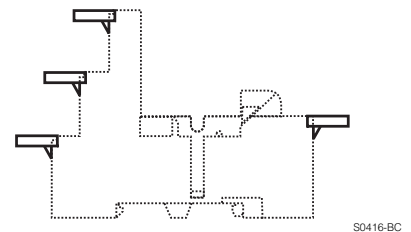
| Accessories for RT 78 724, RT 78 725, RT 78 726 |  |             |
|---|--|-------------|
| Type  |  | Part Number |
| <b>RT 17 017</b>                                | Plastic retaining clip, relay height 15.7                      | 2022103-1   |
| <b>RT 17 040</b>                                | Marking tag  | 2-1415038-1 |
| <b>RT 17 0R8</b>                                | Jumper bar, max load 12 A for connection of up to 8 RT sockets | 1860517-8   |

Jumper bar



Marking tags

- White marking area 15.5 x 6 mm
- Snaps on socket in up to 4 positions



**Accessories Industrial Power Relay RT (Continued)**

**LED- and Protection Modules for RT 78 72P, RT 78 724, RT 78 725, RT 78 726**

Easy insertion of module into the socket  
Wiring in parallel to the coil

| Type   | Part Number |
|--|-------------|
| <b>PTM TO 0A0</b> EM09 Protection diode (standard, A1+, A2-) | 9-1415036-1 |
| <b>PTM TO 0L0</b> EM01 Protection diode (A1-, A2+)           | 1415037-1   |
| <b>PTM U0 524</b> EM02 RC-network 6...60 VAC                 | 1-1415037-1 |
| <b>PTM U0 730</b> EM03 RC-network 110...230 VAC              | 2-1415037-1 |
| <b>PTM V0 524</b> EM04 Varistor 24 VAC                       | 3-1415037-1 |
| <b>PTM V0 615</b> EM13 Varistor 115 VAC                      | 6-1415365-1 |
| <b>PTM V0 730</b> EM05 Varistor 230 VAC                      | 4-1415037-1 |
| <b>PTM R0 730</b> EM29 Bleeder Resistor 110...230 VAC        | 1-1415539-2 |



**LED**

|  |             |
|--|-------------|
| <b>PTM LO 024</b> EM18 red LED 6...24 VDC w. prot.diode (std, A1+, A2-)    | 5-1415036-1 |
| <b>PTM GO 024</b> EM12 green LED 6...24 VDC w. prot.diode (std, A1+, A2-)  | 2-1415036-1 |
| <b>PTM L1 024</b> EM08 red LED 6...24 VDC w. prot. diode (A1-, A2+)        | 8-1415036-1 |
| <b>PTM LO 060</b> EM16 red LED 24...60 VDC w. prot.diode (std, A1+, A2-)   | 5-1415539-3 |
| <b>PTM GO 060</b> EM25 green LED 24...60 VDC w. prot.diode (std, A1+, A2-) | 7-1415539-7 |
| <b>PTM LO 110</b> EM19 red LED 60...110 VDC w. prot. diode (A1+, A2-)      | 2-1415392-1 |
| <b>PTM GO 110</b> EM26 green LED 60...110 VDC w. prot diode (A1+, A2-)     | 1-1415539-7 |
| <b>PTM LO 220</b> EM27 red LED 110...220 VDC w. prot. diode (A1+, A2-)     | 1-1415539-4 |
| <b>PTM GO 220</b> EM28 green LED 110...220 VDC w. prot diode (A1+, A2-)    | 1-1415539-6 |
| <b>PTM LO 524</b> EM07 red LED 6...24 VDC/VAC                              | 6-1415036-1 |
| <b>PTM GO 524</b> EM11 green LED 6...24 VDC/VAC                            | 3-1415036-1 |
| <b>PTM LO 560</b> EM14 red LED 24...60 VDC/VAC                             | 1-1415539-3 |
| <b>PTM GO 560</b> EM30 green LED 24...60 VDC/VAC                           | 1-1415539-5 |
| <b>PTM LO 730</b> EM06 red LED 110...230 VAC                               | 7-1415036-1 |
| <b>PTM GO 730</b> EM10 green LED 110...230 VAC                             | 4-1415036-1 |

**Relay Packages**

Complete packages consisting of a relay mounted on a socket: see Relay Package RT

**Accessories Industrial Power Relay RT (Continued)**

**Sockets for PCB mount**

**RP 78 601** Socket with PCB terminals, pinning 3.5 mm



F0116-A

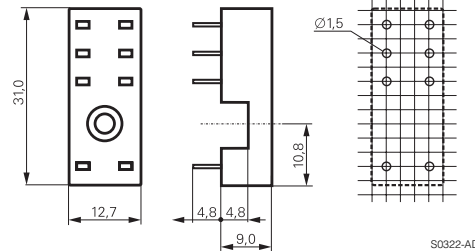


S0322-AC

**RP 78 602** Socket with PCB terminals, pinning 5 mm



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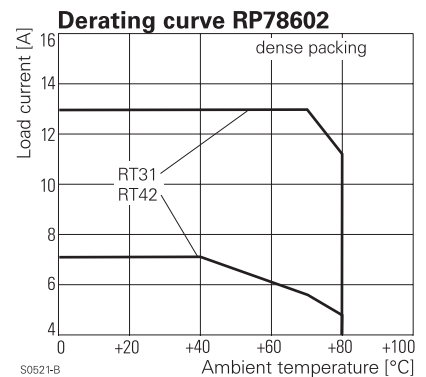
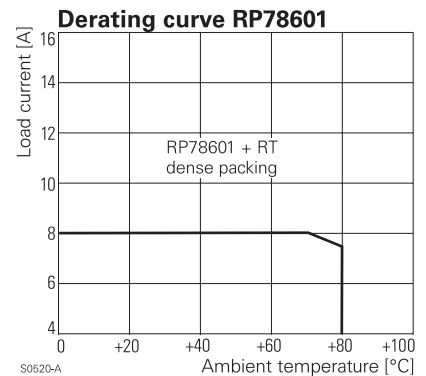


S0322-AD

**Approvals**



| Technical data                            |  | RP 78 601 / RP 78 602 |
|---|--|-----------------------|
| Rated current                             |  | 12 A *)               |
| Limiting continuous current               |  | see derating curve    |
| Rated voltage / max. switching voltage AC |  | 240/400               |
| Dielectric strength coil-contact circuit  |  | 4000 V <sub>rms</sub> |
| open contact circuit                      |  | 1000 V <sub>rms</sub> |
| adjacent contact circuits                 |  | 2500 V <sub>rms</sub> |
| Clearance / creepage coil-contact circuit |  | ≥ 10 / 10 mm          |
| Material group of insulation parts        |  | ≥ IIIa                |
| Insulation to IEC 60664-1                 |  |                       |
| Type of insulation coil-contact circuit   |  | reinforced            |
| open contact circuit                      |  | functional            |
| adjacent contact circuits                 |  | functional            |
| Rated insulation voltage                  |  | 250 V                 |
| Pollution degree                          |  | 2                     |
| Rated voltage system                      |  | 230/400 V             |
| Overvoltage category                      |  | III                   |
| RoHS - Directive 2002/95/EC               |  | compliant             |
| Degree of protection DIN 40050            |  | IP20                  |
| Ambient temperature range                 |  | -40...+80°C           |
| Terminals                                 |  | pcb                   |
| Insertion cycles                          |  | A (10)                |
| Max. Insertion Force total                |  | 100 N                 |
| Mounting distance                         |  | 0, dense packing      |
| Resistance to soldering heat              |  | 270°C / 10 s          |
| Weight                                    |  | 3 g                   |
| Packaging unit                            |  | 100 pcs               |



**Socket with PCB terminals**

| Type   | Part Number |
|--|-------------|
| <b>RP 78 601</b> Socket with PCB terminals, pinning 3.5 mm | 8-1393234-4 |
| <b>RP 78 602</b> Socket with PCB terminals, pinning 5 mm   | 8-1393234-5 |

**Accessories for RP 78 601, RP 78 602**

| Type   | Part Number |
|--|-------------|
| <b>RT 16 041</b> Plastic retaining clip RT, relay height 15.7 mm | 3-1393161-4 |
| <b>RT 28 516</b> Metal retaining clip RT, relay height 15.7 mm   | 1419108-7   |

\*) For 1 pole relays (16 A) the relay terminals 11-21, 12-22 and 14-24 have to be bridged on the PCB.

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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