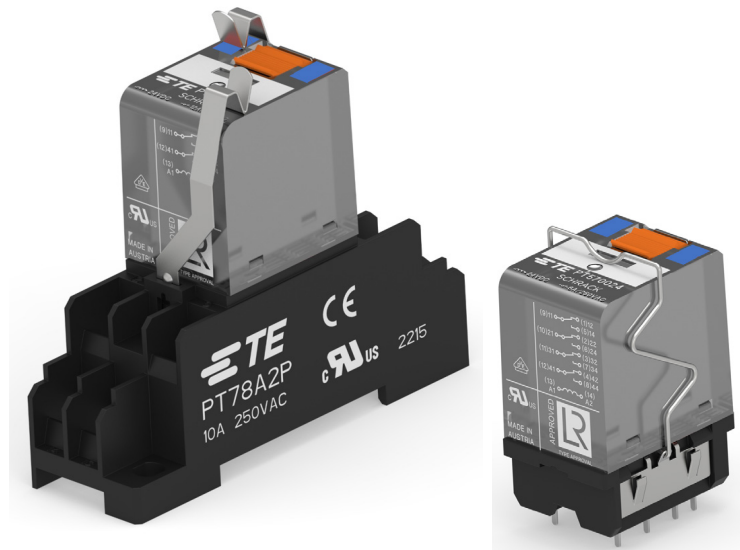


SCHRACK ACCESSORIES MINIATURE RELAY PT

GENERAL PURPOSE RELAYS ACCESSORIES

INTRODUCTION

This socket is a universal product and can be used with TE PT relays. This series includes a basic range of DIN and PCB types. Optional clips provide a more secure connection of the relay to the socket. For extensive PT relay accessories [click here](#)



FEATURES

- Easy replacement of relays on a densely packed DIN rail
- Safety protection against physical contact
- Metal clips can be installed to make the installation more stable
- Total height of socket-relay package is 60mm
- High quality rising clamp terminals
- Captive combination terminal screws

APPLICATION

Electrical control cabinet, Power Conversion System (PCS), Machine tool, Automatic production line

APPROVALS

- CE and cULus E233439 for DIN Rail sockets

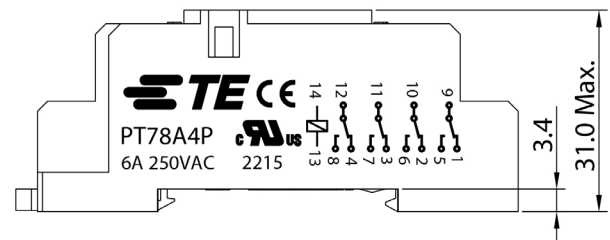
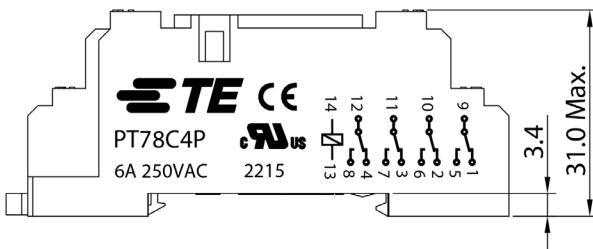
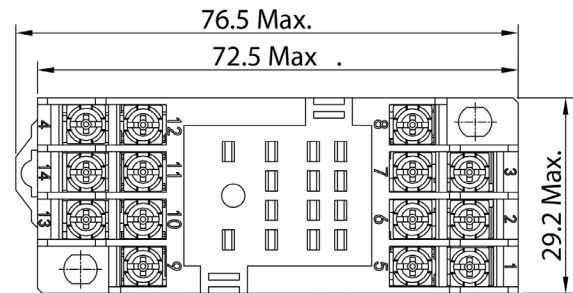
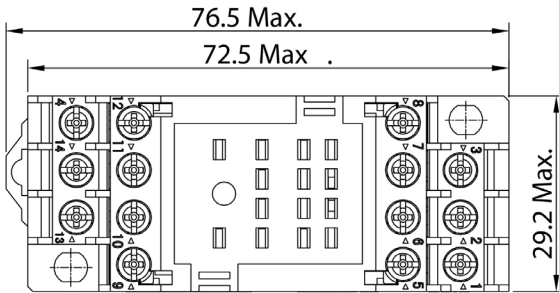
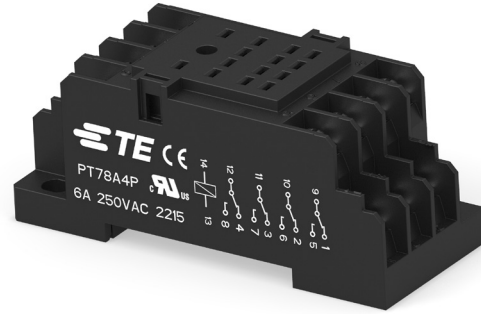
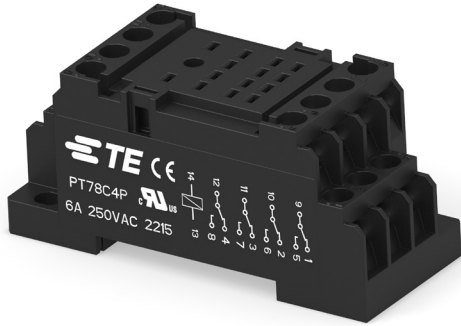


SCHRACK ACCESSORIES MINIATURE RELAY PT

GENERAL PURPOSE RELAYS ACCESSORIES

PT DIN-rail socket with screw type terminals

PT78C4P, PT78A4P



| | |
|-------------|------------------|
| 2071566-1 | PT78C4P |
| Part number | Part description |

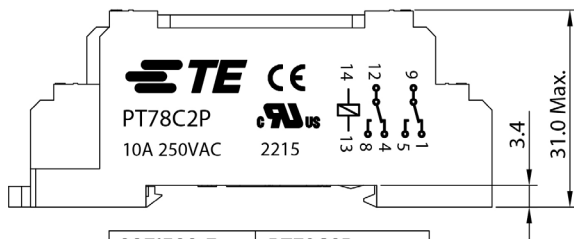
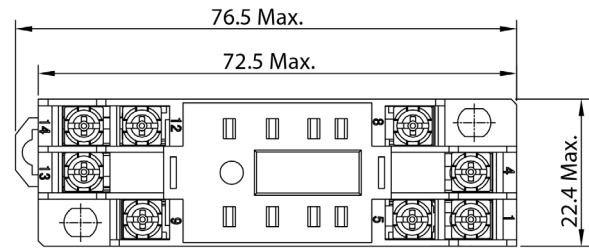
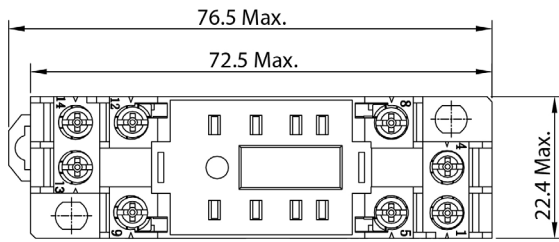
| | |
|-------------|------------------|
| 2071566-2 | PT78A4P |
| Part number | Part description |

SCHRACK ACCESSORIES MINIATURE RELAY PT

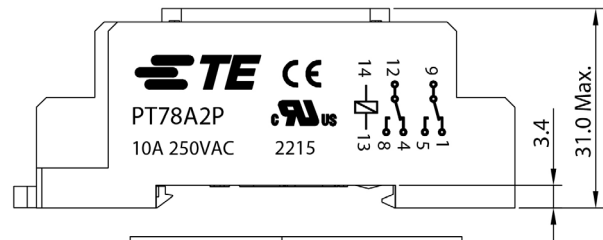
GENERAL PURPOSE RELAYS ACCESSORIES

PT DIN-rail socket with screw type terminals

PT78C2P, PT78A2P



| | |
|-------------|------------------|
| 2071566-3 | PT78C2P |
| Part number | Part description |



| | |
|-------------|------------------|
| 2071566-4 | PT78A2P |
| Part number | Part description |

SCHRACK ACCESSORIES MINIATURE RELAY PT

GENERAL PURPOSE RELAYS ACCESSORIES

PT DIN-rail socket with screw type terminals

PT78C4P, PT78A4P, PT78C2P, PT78A2P

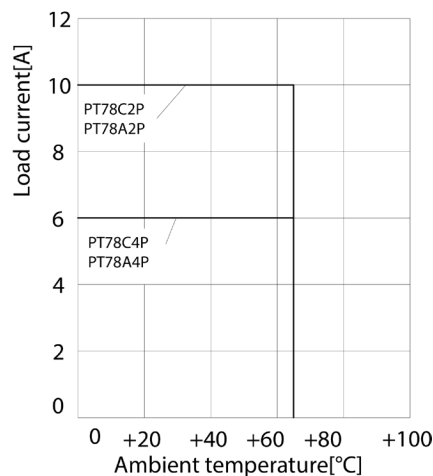
| Technical data | 2-pole | 4-pole |
|---------------------------------------|--------------------|---------------|
| Rated voltage/ Max. switching voltage | 2 form C (CO) | 4 form C (CO) |
| Rated current | 10A | 6A |
| Limiting continuous current | see derating curve | |
| Dielectric strength (initial value) | | |
| Open contact circuit 1 min | 1,200Vac | 1,200Vac |
| Coil-contacts 1 min | 2,500Vac | 2,500Vac |
| Adjacent contacts 1 min | 2,500Vac | 2,000Vac |
| Clearance / creepage | | |
| Coil-contact circuit | ≥3/4mm | ≥3/4mm |
| Adjacent contact circuits | ≥3/4mm | ≥1.5/2.2mm |
| Material group of insulation parts | IIIa | |
| Flammability class UL 94 | V2 | |
| Insulation to IEC 60664-1 | | |
| Type of insulation | | |
| Coil contact circuit | Basic | |
| Open contact circuit | Functional | |
| Adjacent contact circuits | Basic | |

1) with inserted relay pollution degree 1 in region of contact pin/socket inlets

Technical data (continued)

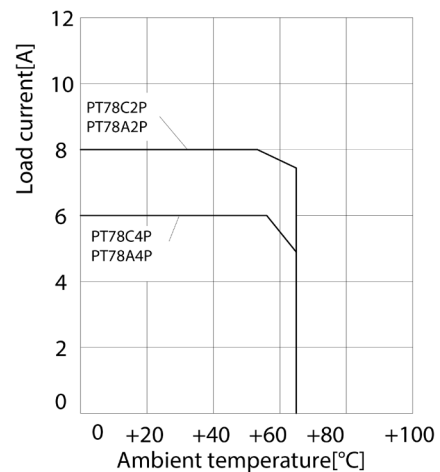
| | |
|---|-------------------------------|
| Rated insulation voltage | 250V |
| Pollution degree | 2 ¹⁾ |
| Rated voltage system | 230/400V |
| Ambient temperature range | -40...+65°C |
| Terminals | screw |
| Terminal screw torque acc. IEC61984 | 0.5Nm (typical) 0.7Nm(max) |
| Terminal Screw size | M3 |
| Wire strip length | 8mm |
| Wire cross section | |
| single wire | 1.5 mm ² |
| fine wire | 1.5 mm ² |
| Insertion cycles | A (10) |
| Max. Insertion Force | 130N |
| Max pull out force | 130N |
| Mounting direction | Any direction with clip |
| Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customer-support/rohssupportcenter | |

Derating curve according to UL508



The derating curve was defined and measured by PT socket and PT relay together.

Derating curve according to IEC61984



The derating curve was defined and measured by PT socket and PT relay together.

SCHRACK ACCESSORIES MINIATURE RELAY PT

GENERAL PURPOSE RELAYS ACCESSORIES



PT28D00



PT28D01

PT sockets

| Type | Description | Part Number |
|---------|--|-------------|
| PT78C4P | DIN-rail socket with screw type terminals 4 pole, with safety protection | 2071566-1 |
| PT78A4P | DIN-rail socket with screw type terminals 4 pole | 2071566-2 |
| PT78C2P | DIN-rail socket with screw type terminals 2 pole, with safety protection | 2071566-3 |
| PT78A2P | DIN-rail socket with screw type terminals 2 pole | 2071566-4 |

Accessories for

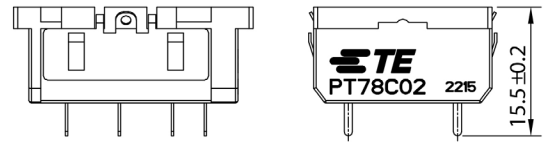
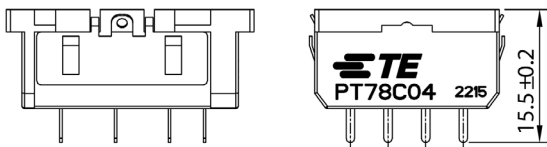
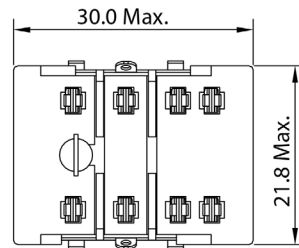
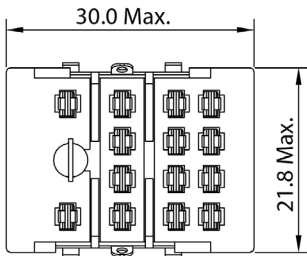
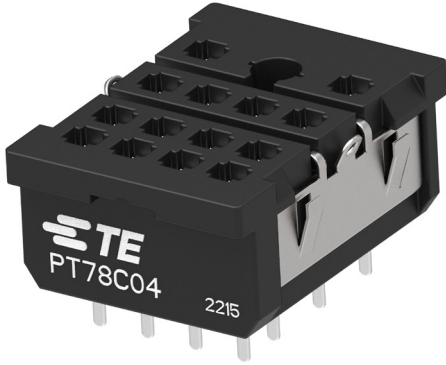
| Type | Description | Part Number |
|---------|--|-------------|
| PT28D00 | Metal retaining clip for DIN rail socket, 28 mm height relay | 2071566-7 |
| PT28D01 | Metal retaining clip for DIN rail socket, 36 mm height relay | 2071566-9 |

SCHRACK ACCESSORIES MINIATURE RELAY PT

GENERAL PURPOSE RELAYS ACCESSORIES

PT PCB socket

PT78C02,PT78C04



| | |
|-------------|------------------|
| 2071566-5 | PT78C04 |
| Part number | Part description |

| | |
|-------------|------------------|
| 2071566-6 | PT78C02 |
| Part number | Part description |

SCHRACK ACCESSORIES MINIATURE RELAY PT

GENERAL PURPOSE RELAYS ACCESSORIES

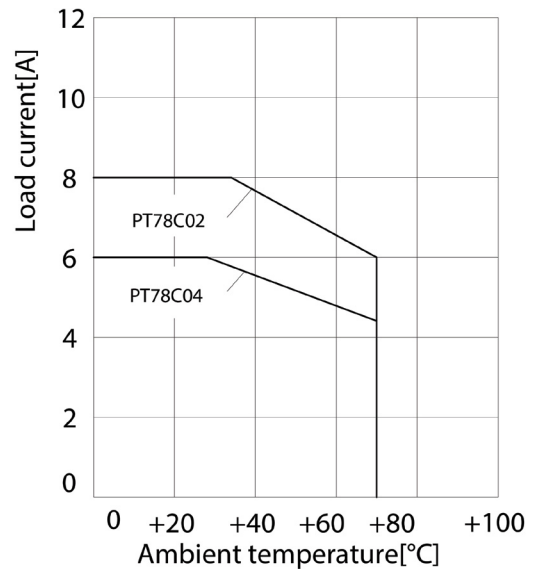
PT PCB socket

PT78C02,PT78C04

| Technical data | 2-pole | 4-pole |
|---|--------------------|---------------|
| Rated voltage/ Max. switching voltage | 2 form C (CO) | 4 form C (CO) |
| Rated current | 8A | 6A |
| Limiting continuous current | see derating curve | |
| Dielectric strength (initial value) | | |
| Open contact circuit 1 min | 1,200Vac | 1,200Vac |
| Coil-contacts 1 min | 2,500Vac | 2,500Vac |
| Adjacent contacts 1 min | 2,500Vac | 2,000Vac |
| Clearance / creepage | | |
| Coil-contact circuit | ≥3/4mm | ≥3/4mm |
| Adjacent contact circuits | ≥3/4mm | ≥1.5/2.2mm |
| Material group of insulation parts | IIIa | |
| Flammability class UL 94 | V2 | |
| Insulation to IEC 60664-1 | | |
| Type of insulation | | |
| Coil contact circuit | Basic | Basic |
| Open contact circuit | Functional | Functional |
| Adjacent contact circuits | Basic | Functional |
| Rated insulation voltage | 250V | 250V |
| Pollution degree | 2 | 2 |
| Rated voltage system | 230/400V | 230/400V |
| Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customer-support/rohssupportcenter | | |

| Technical data(Continued) | 2-pole | 4-pole |
|--------------------------------|-------------------------|--------|
| Ambient temperature range | -40...+70 °C | |
| Terminals | PCB terminals | |
| Insertion cycles | A (10) | |
| Resistance against solder heat | 270°C/ 10s | |
| Max. Insertion Force | 130N | |
| Max pull out force | 130N | |
| Mounting direction | Any direction with clip | |
| Mounting distance | ≥5mm | |
| Weight | 6g | 7g |

Derating curve according to IEC61984



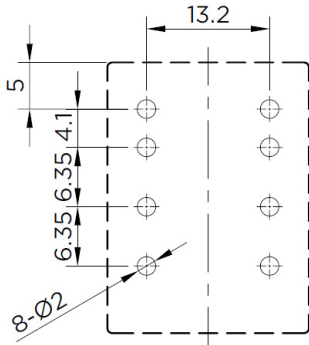
The derating curve was defined and measured by PT socket and PT relay together.

SCHRACK ACCESSORIES MINIATURE RELAY PT

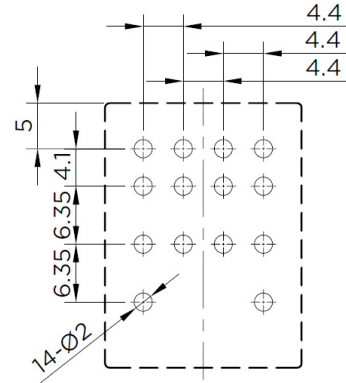
GENERAL PURPOSE RELAYS ACCESSORIES

Footprint

2P PCB socket footprint



4P PCB socket footprint



PT28P00

PT sockets

| Type | Description | Part Number |
|---------|-----------------------------------|-------------|
| PT78C04 | Socket with PCB terminals, 4 pole | 2071566-5 |
| PT78C02 | Socket with PCB terminals, 2 pole | 2071566-6 |

Accessories for

| Type | Description | Part Number |
|---------|--|-------------|
| PT28P00 | Metal retaining clip for PCB socket, relay height 28mm | 2071566-8 |