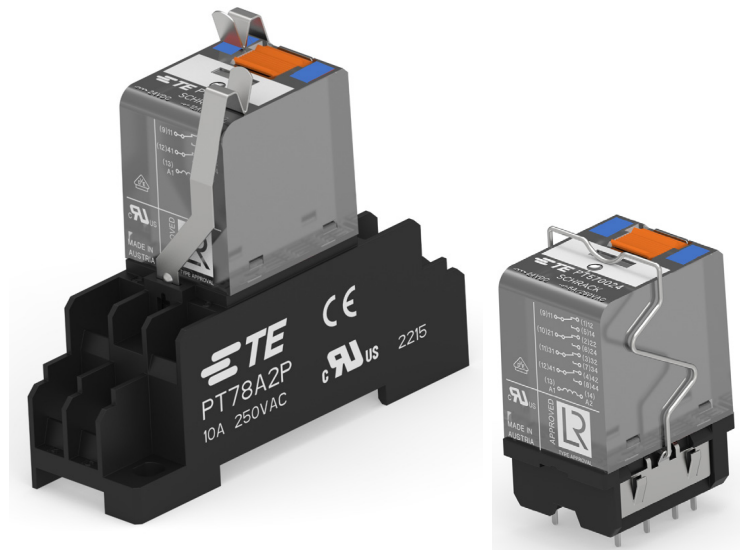


# SCHRACK ACCESSORIES MINIATURE RELAY PT

## 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

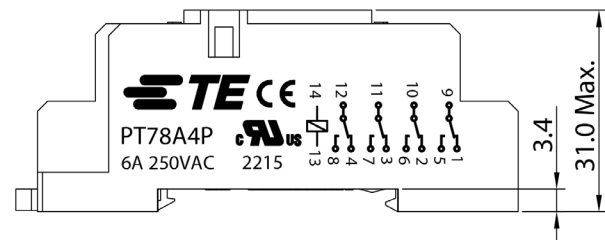
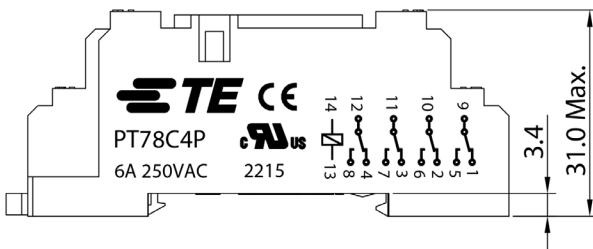
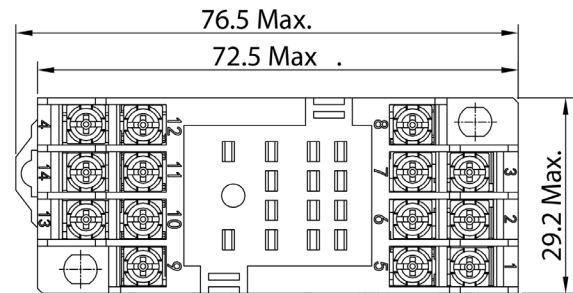
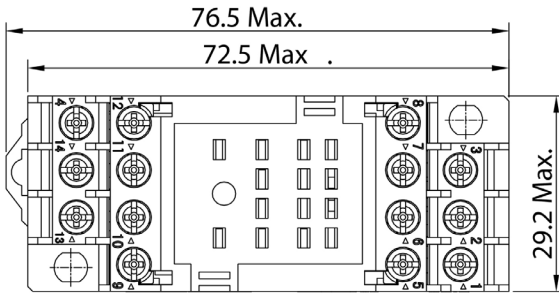
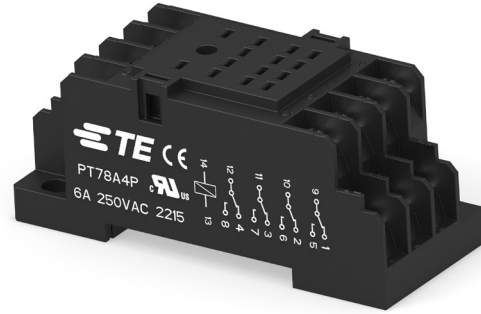
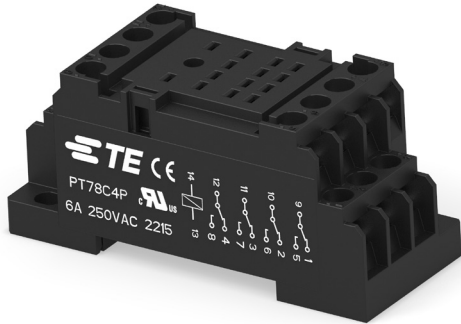


# SCHRACK ACCESSORIES MINIATURE RELAY PT

GENERAL PURPOSE RELAYS ACCESSORIES

## PT DIN-rail socket with screw type terminals

PT78C4P, PT78A4P



2071566-1	PT78C4P
Part number	Part description

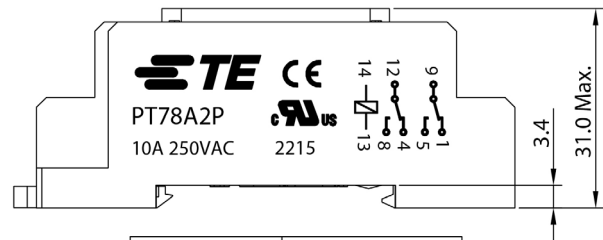
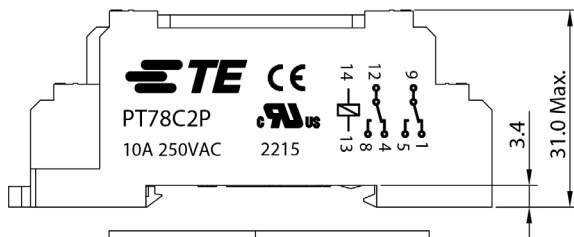
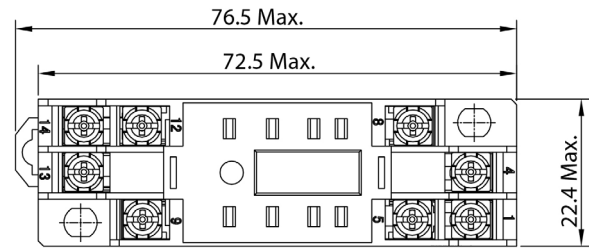
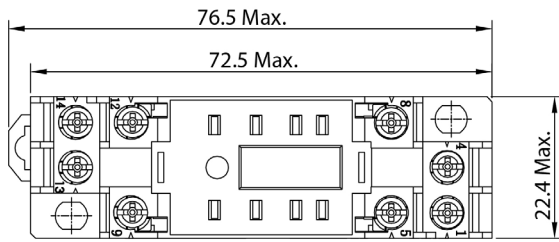
2071566-2	PT78A4P
Part number	Part description

# 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

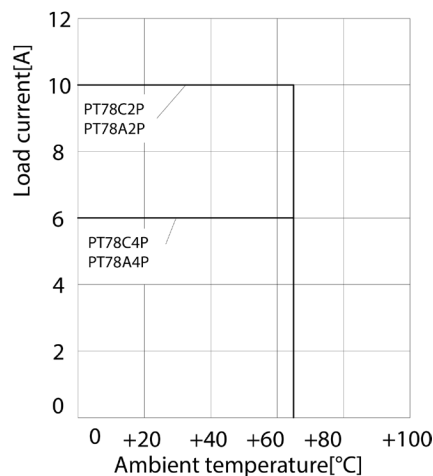
Technical data	2-pole	4-pole
Rated voltage/ Max. switching voltage	2 form C (CO)	4 form C (CO)
Rated current	10A	6A
Limiting continuous current	see derating curve	
Dielectric strength (initial value)		
Open contact circuit 1 min	1,200Vac	1,200Vac
Coil-contacts 1 min	2,500Vac	2,500Vac
Adjacent contacts 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)

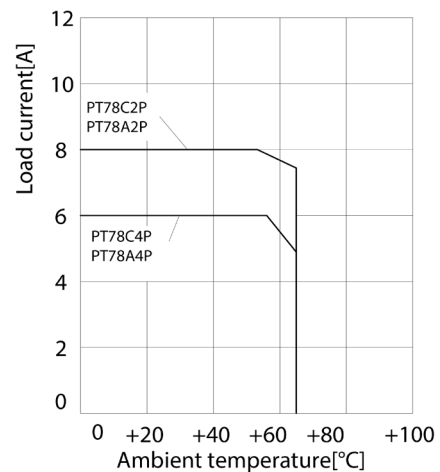
Rated insulation voltage	250V
Pollution degree	2 <sup>1)</sup>
Rated voltage system	230/400V
Ambient temperature range	-40...+65°C
Terminals	screw
Terminal screw torque acc. IEC61984	0.5Nm (typical) 0.7Nm(max)
Terminal Screw size	M3
Wire strip length	8mm
Wire cross section	
single wire	1.5 mm <sup>2</sup>
fine wire	1.5 mm <sup>2</sup>
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 <a href="http://www.te.com/customer-support/rohssupportcenter">www.te.com/customer-support/rohssupportcenter</a>	

### Derating curve according to UL508



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

### Derating curve according to IEC61984



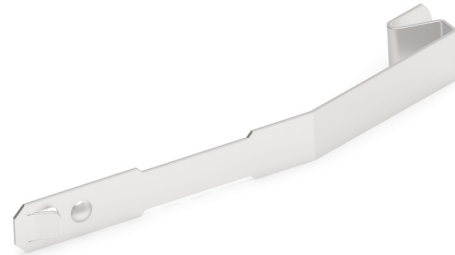
The derating curve was defined and measured by PT socket and PT relay together.

# 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

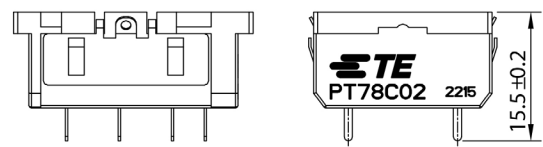
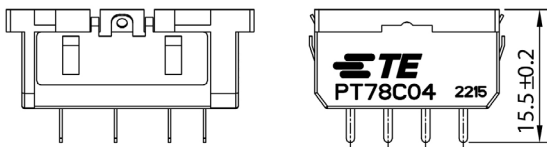
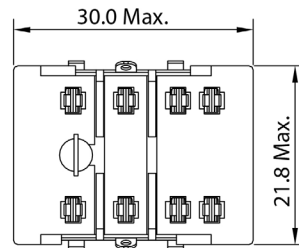
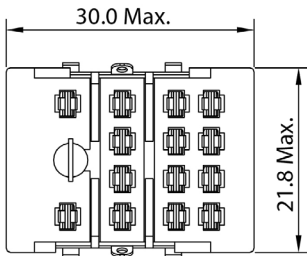
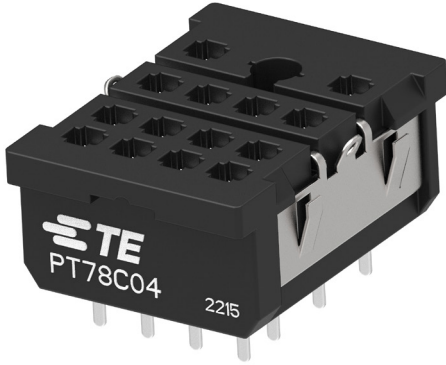
Type	Description	Part Number
PT28D00	Metal retaining clip for DIN rail socket, 28 mm height relay	2071566-7
PT28D01	Metal retaining clip for DIN rail socket, 36 mm height relay	2071566-9

# 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

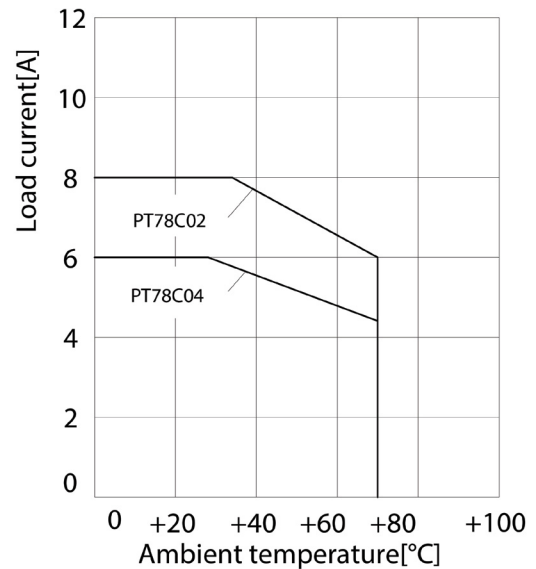
### PT PCB socket

### 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 <a href="http://www.te.com/customer-support/rohssupportcenter">www.te.com/customer-support/rohssupportcenter</a>		

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**



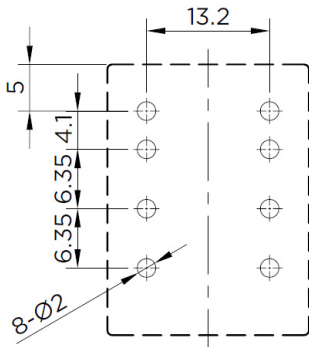
The derating curve was defined and measured by PT socket and PT relay together.

# SCHRACK ACCESSORIES MINIATURE RELAY PT

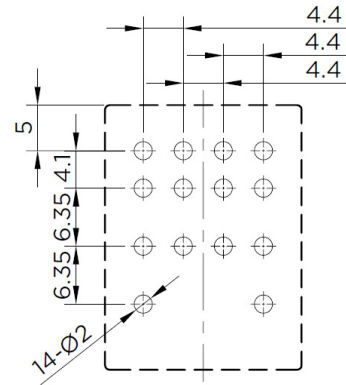
GENERAL PURPOSE RELAYS ACCESSORIES

## 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