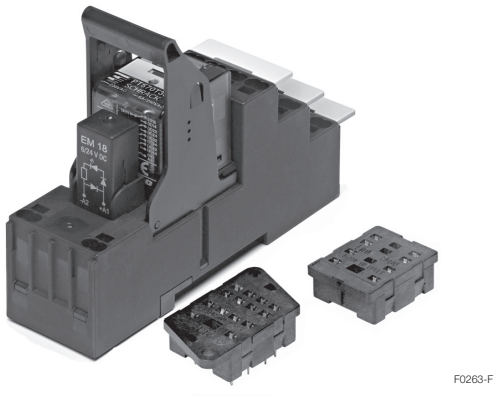
Accessories Miniature Relay PT

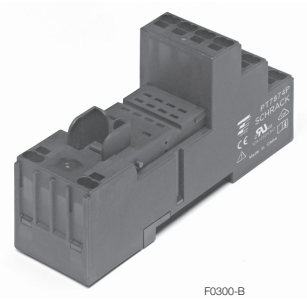
- **Easy replacement of relays on a densely packed DIN rail**
- **No reduction of protection class or creepage/clearance with plastic retainer**
- **Plug-in indicator- and protection modules**
- **Retainer clip with ejection function for relays of 29 mm height**

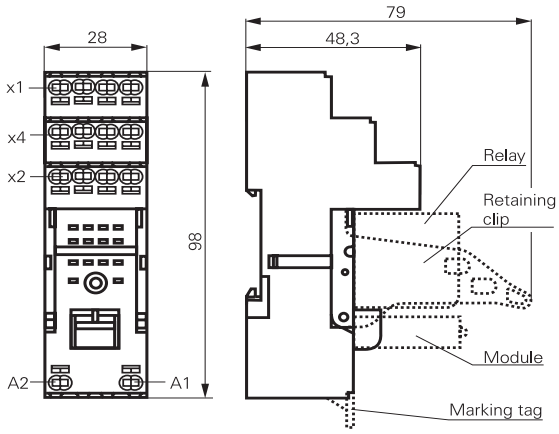


Premium socket with screwless terminals for DIN rail mounting

PT 78 74P Premium socket, logical terminal arrangement, 4 pole
PT 78 72P Premium socket, logical terminal arrangement, 2 pole

- **PT 2/4 pole 12/6 A**
- **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**

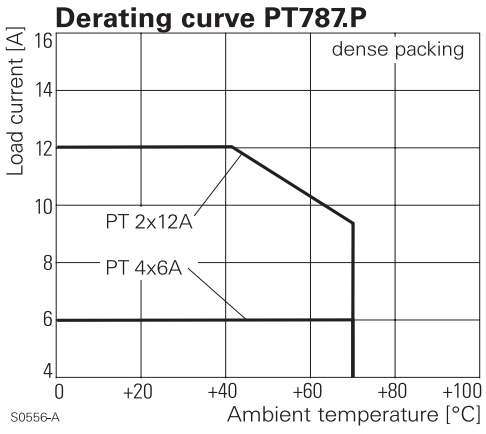




Approvals

VDE Cert. No. 40009108, cULus E135149

Technical data	2-pole	4-pole
Rated voltage/Max. switching voltage AC	240/400VAC	240 VAC
Rated current	12 A	6 A
Limiting continuous current	see derating curve	
Dielectric strength		
coil contact circuit	2500 V_{rms}	2500 V_{rms}
open contact circuit	1200 V_{rms}	1200 V_{rms}
adjacent contact circuits	2500 V_{rms}	2000 V_{rms}
Clearance / creepage		
coil contact circuit	≥ 4/4 mm	≥ 4/4 mm
adjacent contact circuits	≥ 3.5/9.5 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[1)]	
Rated voltage system	230 / 400 V	
Overvoltage category	III	



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

09-2014, Rev. 0914
www.te.com
© 2014 Tyco Electronics Corporation,
a TE Connectivity Ltd. company

Datasheets and product specification according to IEC 61810-1 and to be used only together with the 'Definitions' section.

Datasheets and product data is subject to the terms of the disclaimer and all chapters of the 'Definitions' section, available at http://relays.te.com/definitions

Datasheets, product data, 'Definitions' section, application notes and all specifications are subject to change.

Accessories Miniature Relay PT (Continued)

Technical data (continued)	2-pole	4-pole
Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customersupport/rohssupportcenter		
Ambient temperature range		
for mounting/handling	-25…+70°C	
in operation	-40…+70°C	
Terminals	screwless	
Wire strip length	12 mm	
Wire cross section		
solid wire	1x0.75/1/1.5mm²	
	2x0.75/1mm²	
with stand. isolation (no oversize isolation)	2x1.5mm²	
stranded wire		
without bootlace crimp	1x0.75/1/1.5mm²	
	2x0.75/1mm²	
without bootlace crimp with stand. isolation	2x1.5mm²	
with bootlace crimp	1x0.75/1mm²	
	2x0.75mm²	
with bootlace crimp without isolation or min 18 mm long	1x1.5mm²	

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	44 g	60 g
Packaging unit	10 pcs	

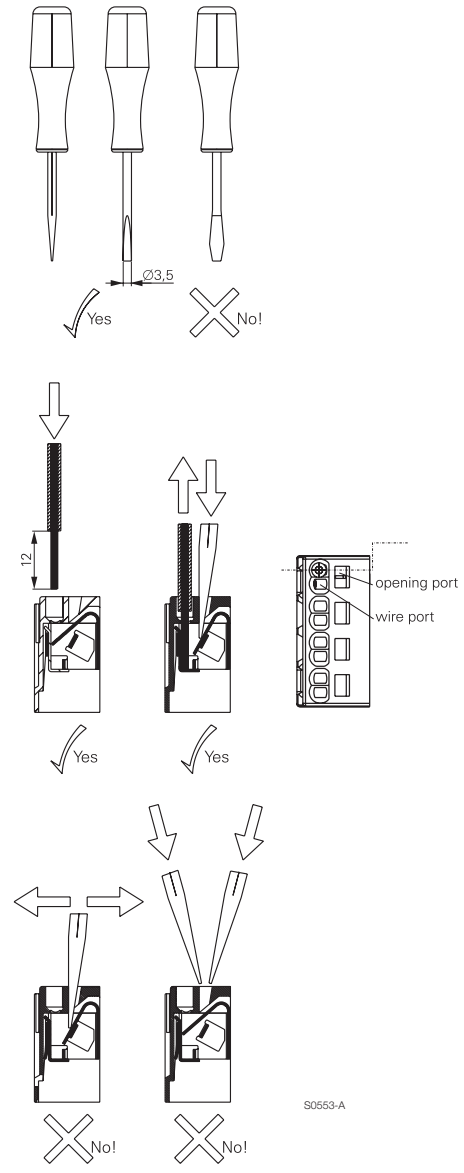
Socket with screwless terminals for DIN rail mounting

Type		Part Number
PT 7872P	Premium socket, logical terminal arrangement Socket with screwless terminals 2 pole	1860100-1
PT 7874P	Premium socket, logical terminal arrangement Socket with scewless terminals 4 pole	1860000-1

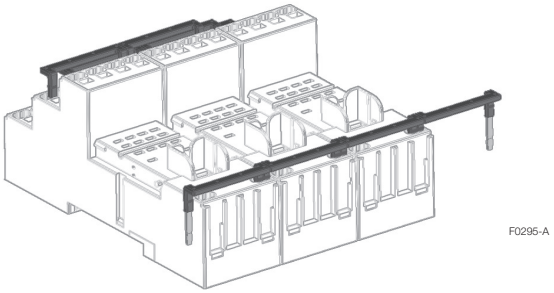
Accessories for PT 78 72P, PT 78 74P

Type		Part Number
PT 17 021	Plastic retaining clip, relay height 29 mm	2-1415526-1
PT 28 800	Metal retaining clip PT, relay height 29 mm	5-1419111-9
PT 17 040	Marking tag	6-1415037-1
PT 17 0P1	Jumper link, max load 12 A	1860214-1

How to use, Precautions



Jumper link



When connecting more than 2 poles with staggered jumper bars the lower bars need to be stripped and shortened to an appropriate length to enable correct fitting.

09-2014, Rev. 0914
www.te.com
© 2014 Tyco Electronics Corporation,
a TE Connectivity Ltd. company

Datasheets and product specification according to IEC 61810-1 and to be used only together with the 'Definitions' section.

Datasheets and product data is subject to the terms of the disclaimer and all chapters of the 'Definitions' section, available at http://relays.te.com/definitions

Datasheets, product data, 'Definitions' section, application notes and all specifications are subject to change.