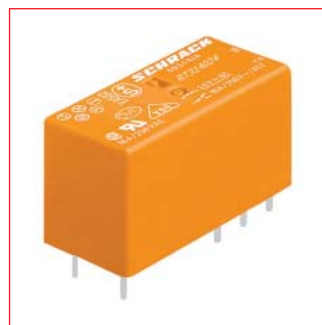
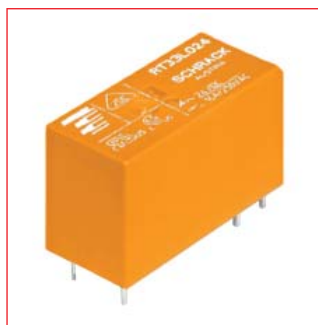


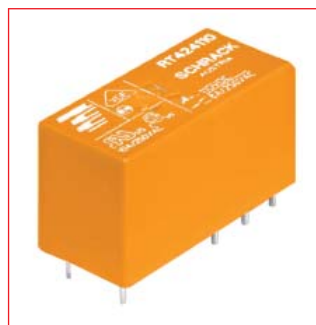
## Power Relays Series RT



RT1



RT1 Inrush



RT2



RT7872P

## Schrack-Info

### RT1

- 1 pole 12/16 A, AC or DC coil
- 1 CO or 1 NO
- Sensitive coil 400 mW/0.75 VA
- 5 kV, 10 mm coil/contact
- Appliance class II (VDE 0700)
- Safe disconnection compliant with VDE0160 in combination with socket YRT78626
- Ambient temperature 85°C (DC coil)
- Low component height 15.7 mm
- Gold plated contacts available
- Print and screw type sockets
- For boiler controls, timer relays, garage door controls, vending machines, interface modules

### RT1 Inrush and High Inrush

- 1 pole 16 A, for high peak inrush current
- 1 NO
- RTS3T024 (= High Inrush) with Tungsten early-make contact
- Sensitive coil 400 mW
- 5 kV, 10 mm coil/contact
- Appliance class II (VDE 0700)
- Ambient temperature 85°C
- Low component height 15.7 mm
- Print and screw type sockets
- For household appliances, heating controls, light controls, building automation

### RT2

- 2 poles 8 A, AC or DC coil
- 2 CO
- Sensitive coil 400 mW
- 5 kV, 10 mm coil/contact
- Appliance class II (VDE 0700)
- Safe disconnection compliant with VDE0160 in combination with socket YRT78626
- Low component height 15.7 mm
- Print and screw type sockets
- For household appliances, heating controls, emergency lighting, modems

## Power Relays Series RT

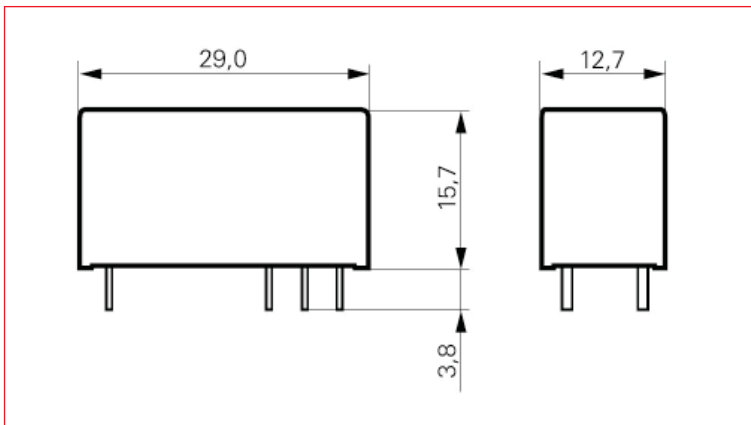
### RT Overview

Relays	Number of contacts and type	Rated current [A]	Coil		Pinning [mm]	Contact material	RT1	RT1 Inrush	RT1 High Inrush	RT2
RT114012	1 CO	12	DC	12 V	3.5	AgNi90/10	X			
RT114024	1 CO	12	DC	24 V	3.5	AgNi90/10	X			
RT114524	1 CO	12	AC	24 V	3.5	AgNi90/10	X			
RT214012	1 CO	12	DC	12 V	5	AgNi90/10	X			
RT214024	1 CO	12	DC	24 V	5	AgNi90/10	X			
RT214730	1 CO	12	AC	230 V	5	AgNi90/10	X			
RT314005	1 CO	16	DC	5 V	5	AgNi90/10	X			
RT314012	1 CO	16	DC	12 V	5	AgNi90/10	X			
RT314024	1 CO	16	DC	24 V	5	AgNi90/10	X			
RT334024	1 NO	16	DC	24 V	5	AgNi90/10	X			
RT314110	1 CO	16	DC	110 V	5	AgNi90/10	X			
RT314524	1 CO	16	AC	24 V	5	AgNi90/10	X			
RT314730	1 CO	16	AC	230 V	5	AgNi90/10	X			
RT315730	1 CO	16	AC	230 V	5	AgNi90/10 hgp*	X			
RT33K012	1 NO	16	DC	12 V	5	AgNi90/10		X		
RT33K024	1 NO	16	DC	24 V	5	AgNi90/10		X		
RT31L024	1 CO	16	DC	24 V	5	AgSnO <sub>2</sub>		X		
RTS3T024	1 NO	16	DC	24 V	5	T** + AgSnO <sub>2</sub>			X	
RT424006	2 CO	8	DC	6 V	5	AgNi90/10				X
RT424012	2 CO	8	DC	12 V	5	AgNi90/10				X
RT424024	2 CO	8	DC	24 V	5	AgNi90/10				X
RT425024	2 CO	8	DC	24 V	5	AgNi90/10 hgp*				X
RTE24024	2 CO	8	DC	24 V	5	AgNi90/10				X
RT424048	2 CO	8	DC	48 V	5	AgNi90/10				X
RT424060	2 CO	8	DC	60 V	5	AgNi90/10				X
RT424110	2 CO	8	DC	110 V	5	AgNi90/10				X
RT424524	2 CO	8	AC	24 V	5	AgNi90/10				X
RT424548	2 CO	8	AC	48 V	5	AgNi90/10				X
RT424615	2 CO	8	AC	115 V	5	AgNi90/10				X
RT425615	2 CO	8	AC	115 V	5	AgNi90/10 hgp*				X
RT424730	2 CO	8	AC	230 V	5	AgNi90/10				X
RT425730	2 CO	8	AC	230 V	5	AgNi90/10 hgp*				X

\*hgp = hard gold-plated

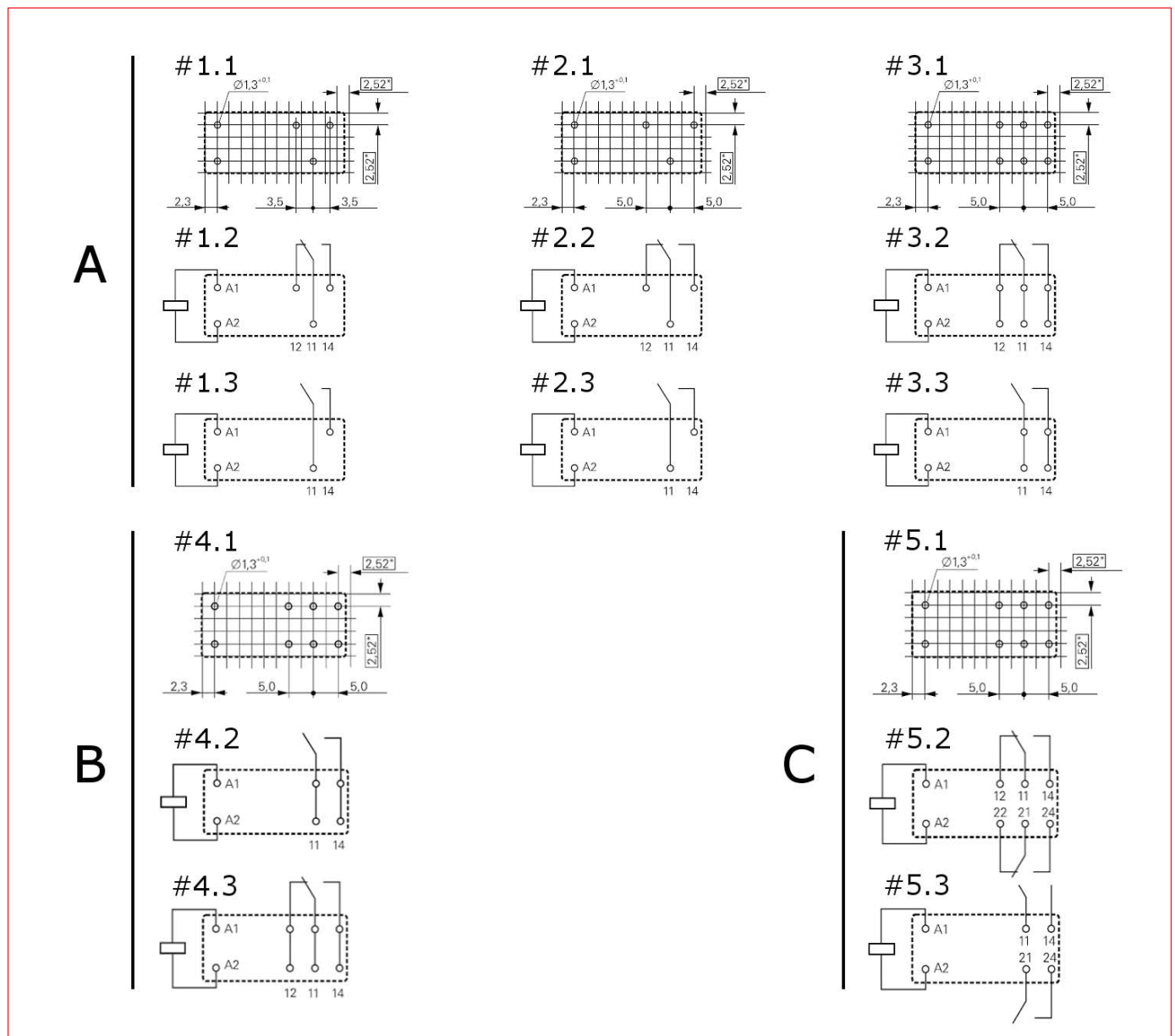
\*\*Tungsten pre-contact

### Dimensions (mm)



## Power Relays Series RT

### Circuit Diagrams



### Circuit Diagrams, Contacts & Pinning

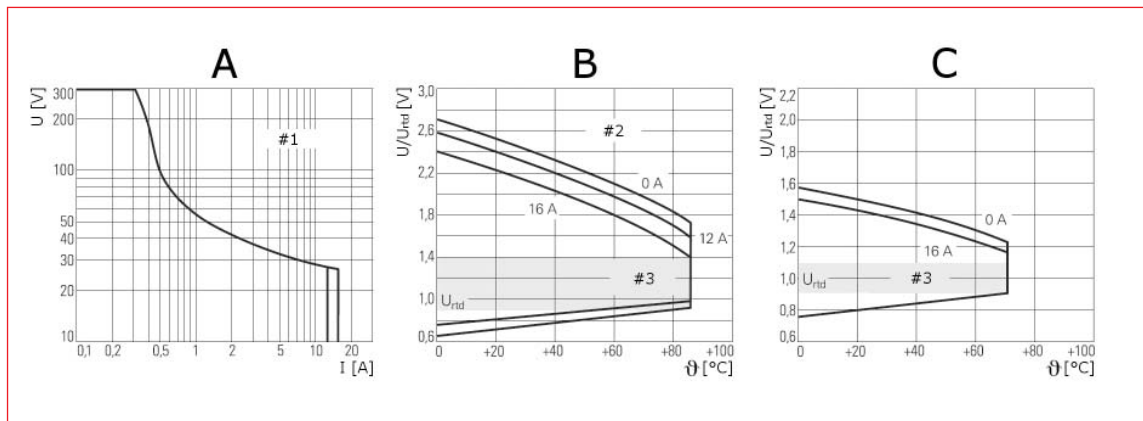
<b>A</b>	RT1	<b>#3.1</b>	16 A, pinning 5 mm
<b>B</b>	RT1 Inrush and High Inrush	<b>#3.2</b>	1 CO
<b>C</b>	RT2	<b>#3.3</b>	1 NO
<b>#1.1</b>	12 A, pinning 3.5 mm	<b>#4.1</b>	16 A, pinning 5 mm
<b>#1.2</b>	1 CO	<b>#4.2</b>	1 NO
<b>#1.3</b>	1 NO	<b>#4.3</b>	1 CO
<b>#2.1</b>	12 A, pinning 5 mm	<b>#5.1</b>	8 A, pinning 5 mm
<b>#2.2</b>	1 CO	<b>#5.2</b>	2 CO
<b>#2.3</b>	1 NO	<b>#5.3</b>	2 NO

#### General Info

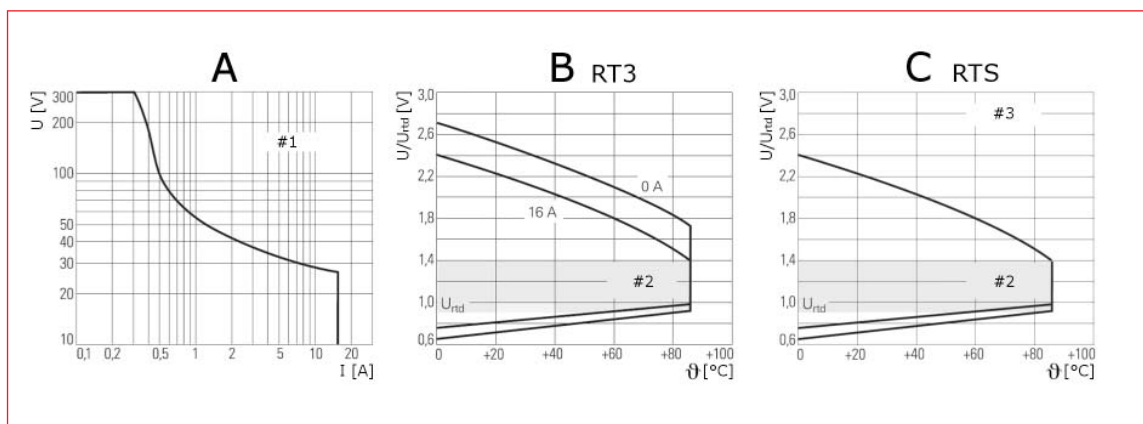
View of the terminals, dimensions in mm.  
Equipping with indicated hole diameter also possible  
in 2.5 mm or 2.54 mm contact spacing.

**Power Relays Series RT**

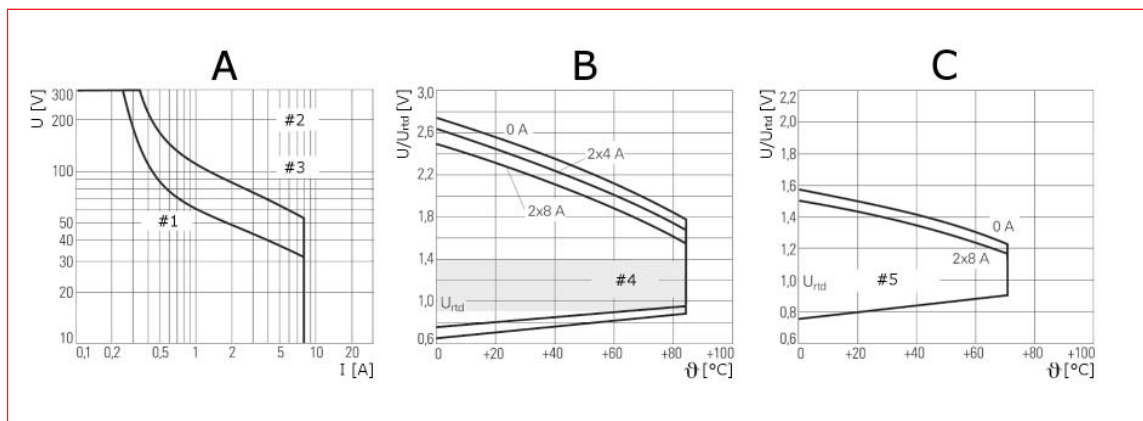
**Rated Breaking Capacity & Coil Operating Voltage Range RT1**



**Rated Breaking Capacity & Coil Operating Voltage Range RT1 Inrush And High Inrush**



**Rated Breaking Capacity & Coil Operating Voltage Range RT2**



**Rated Breaking Capacity & Coil Operating Voltage Ranges**

RT1	
<b>A</b>	Max. DC rated breaking capacity
<b>B</b>	Coil operating range DC
<b>C</b>	Coil operating range AC
<b>#1</b>	Resistive load
<b>#2</b>	16 A version
<b>#3</b>	Recommended voltage range in [V]
<b>U</b>	DC voltage in [V]
<b>U/U<sub>rtd</sub></b>	Coil voltage in [V]
<b>I</b>	DC current in [A]
<b>θ</b>	Ambient temperature in [°C]

RT1 Inrush and High Inrush	
<b>A</b>	Max. DC rated breaking capacity
<b>B</b>	Coil operating range DC (RT3)
<b>C</b>	Coil operating range DC (RTS)
<b>#1</b>	Resistive load
<b>#2</b>	Recommended voltage range in [V]
<b>#3</b>	Monostable version
<b>U</b>	DC voltage in [V]
<b>U/U<sub>rtd</sub></b>	Coil voltage in [V]
<b>I</b>	DC current in [A]
<b>θ</b>	Ambient temperature in [°C]

RT2	
<b>A</b>	Max. DC rated breaking capacity
<b>B</b>	Coil operating range DC
<b>C</b>	Coil operating range AC
<b>#1</b>	1 contact
<b>#2</b>	2 pole resistive load
<b>#3</b>	2 contacts in series
<b>#4</b>	Recommended voltage range in [V]
<b>#5</b>	Rated coil voltage in [V]
<b>U</b>	DC voltage in [V]
<b>U/U<sub>rtd</sub></b>	Coil voltage in [V]
<b>I</b>	DC current in [A]
<b>θ</b>	Ambient temperature in [°C]

## Power Relays Series RT

### Technical Data

#### RT1

<b>CONTACT DATA</b>		<b>12 A</b>	<b>16 A</b>
Number of contacts and type		1 CO or 1 NO contact	
Contact style		Single contact	
Rated current		12 A	16 A
Rated voltage/ max. switching voltage AC		250 / 400 V~	
Limiting continuous current		12 A	16 A, UL: 20 A
Max. rated breaking capacity AC		3000 VA	4000 VA
Limiting making current (max. 4 s at 10 % DF)		25 A	30 A
Contact material		AgNi 90/10, AgNi 90/10 hard gold plated	
<b>COIL DATA</b>			
Rated voltage	DC coil	5...110 V	
	AC coil	24...230 V~	
Rated power	DC coil	400 mW	
	AC coil	0.74 VA	
Operative range, IEC 61810		2	
Coil insulation system according to UL1446		Class F	
Operation-/ release voltage/ coil resistance at ambient temperature 23 °C	24 V DC coil	16.8 V / 2.4 V / 1440 Ω ± 10%	
	230 V AC coil	172.5 V / 34.5 V / 32500 Ω ± 10%	











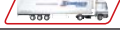










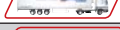


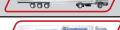









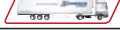

#### RT1 Inrush and High Inrush

<b>CONTACT DATA</b>		<b>RT3</b>	<b>RT5</b>
Number of contacts and type		1 CO oder 1 NO	1 NO
Contact style		Single contact	
Rated current		16 A	
Rated voltage / max. switching voltage AC		250 / 400 V~	
Limiting continuous current		16 A	
Max. rated breaking capacity AC		4000 VA	
Limiting making current		30 A (max. 4 s at 10 % DF)	165 A (max. 20 ms incandescent lamps) 800 A (max. 200 µs fluorescent lamps)
Contact material		AgNi 90/10, AgSnO <sub>2</sub>	W (lead contact) + AgSnO <sub>2</sub>
<b>COIL DATA</b>			
Rated voltage		5...110 V DC	
Rated power		400 mW	
Operative range, IEC 61810		2	
Coil insulation system according to UL1446		Class F	
Operation-/ release voltage/ coil resistance at ambient temperature 23 °C	24 V DC coil	16.8 V / 2.4 V / 1440 Ω ± 10%	
	230 V AC coil	-	172.5 V / 34.5 V / 32500 Ω ± 10%

#### RT2

<b>CONTACT DATA</b>		<b>8 A</b>
Number of contacts and type		2 CO
Contact style		Single contact
Rated current		8 A
Rated voltage/ max. switching voltage AC		250 V / 400 V~
Limiting continuous current		8 A, UL: 10 A
Max. rated breaking capacity AC		2000 VA
Limiting making current (max. 4 s at 10 % DF)		15 A
Contact material		AgNi 90/10, AgNi 90/10 hard gold plated
<b>COIL DATA</b>		
Rated voltage	DC coil	5...110 V
	AC coil	24...230 V~
Rated power	DC coil	400 mW
	AC coil	0.74 VA
Operative range, IEC 61810		2
Coil insulation system according to UL1446		Class F
Operation-/ release voltage/ coil resistance at ambient temperature 23 °C	24 V DC coil	16.8 V / 2.4 V / 1440 Ω ± 10%
	230 V AC coil	172.5 V / 34.5 V / 32500 Ω ± 10%

## Power Relays Series RT





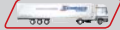







DESCRIPTION	AVAILABLE	ORDER NO.
<b>Power Relays RT1, 12A</b>		
12V-DC, 1 CO, 12A		<b>RT114012</b>
24V-DC, 1 CO, 12A		<b>RT114024</b>
24V-AC, 1 CO, 12A		<b>RT114524</b>
12V-DC, 1 CO, 12A		<b>RT214012</b>
24V-DC, 1 CO, 12A		<b>RT214024</b>
230V-AC, 1 CO, 12A		<b>RT214730</b>
<b>Power Relays RT1, 16A</b>		
5V-DC, 1 CO, 16A		<b>RT314005</b>
6V-DC, 1 Wechsler, 16A		RT314006
12V-DC, 1 CO, 16A		<b>RT314012</b>
24V-DC, 1 CO, 16A		<b>RT314024</b>
24V-DC, 1 NO, 16A		<b>RT334024</b>
110V-DC, 1 CO, 16A		RT314110
24V-AC, 1 CO, 16A		<b>RT314524</b>
230V-AC, 1 CO, 16A		<b>RT314730</b>
230V-AC, 1 CO, 16A, gold plated		<b>RT315730</b>
<b>Power Relays RT1 Inrush and High Inrush</b>		
12V-DC, 1 NO, 16A		RT33K012
24V-DC, 1 NO, 16A		<b>RT33K024</b>
24V-DC, 1 CO, 16A		<b>RT31L024</b>
<b>Power Relays RT1 High Inrush</b>		
24V-DC, 1 NO, 16A		RTS3T024
<b>Power Relays RT2</b>		
6V-DC, 2 CO, 8A		<b>RT424006</b>
12V-DC, 2 CO, 8A		<b>RT424012</b>
24V-DC, 2 CO, 8A		<b>RT424024</b>
24V-DC, 2 CO, 8A, gold plated		<b>RT425024</b>
24V-DC, 2 CO, 8A		<b>RTE24024</b>
48V-DC, 2 CO, 8A		<b>RT424048</b>
60V-DC, 2 CO, 8A		<b>RT424060</b>
110V-DC, 2 CO, 8A		<b>RT424110</b>
24V-AC, 2 CO, 8A		<b>RT424524</b>
48V-AC, 2 CO, 8A		<b>RT424548</b>
115V-AC, 2 CO, 8A		<b>RT424615</b>
115V-AC, 2 CO, 8A, gold plated		RT425615
230V-AC, 2 CO, 8A		<b>RT424730</b>
230V-AC, 2 CO, 8A, gold plated		<b>RT425730</b>
<b>Spring Clamp Terminal Socket for Power Relays RT</b>		
DIN rail mounted plug-in socket for RT2x, RT3x, RT4x, XT, RP4x relays, pinning 5mm, max. 16A, with spring clamp terminals		<b>RT7872P</b>
Jumper link for connection of RT7872P		<b>RT170P1</b>
<b>Plug-in Socket for Power Relays RT</b>		
DIN rail mounted plug-in socket for RT1x relays, pinning 3.5mm, max. 12A, I/O - logical arrangement, with screw terminals		<b>YRT78624</b>
DIN rail mounted plug-in socket for XT, RT2x, RT3x, RT4x relays, pinning 5mm, max. 12A, I/O - logical arrangement, with screw terminals		<b>YRT78626</b>
DIN rail mounted plug-in socket for RT2x, RT3x, RT4x relays, pinning 5mm, max. 16A, conventional arrangement, with screw terminals		<b>RT78725</b>
Retaining clip for RT relays with ejection function		<b>RT17017</b>
Jumper bar for connection of up to 8 RT-sockets		<b>RT170R8</b>
Marking tag (for YRT sockets YRT78624 and YRT78626)		<b>YRT16040</b>



Order no. blue: on stock, usually ready for delivery on the day of order

# Plug-in Relays

## Power Relays Series RT

DESCRIPTION	AVAILABLE	ORDER NO.
<b>Modules Matching Plug-in Socket for Power Relays RT</b>		
LED module, red, 6-24V AC/DC, EM07		<b>YMLRA024</b>
LED module, red, 6-24V DC, A1+, EM18		<b>YMLRD024-A</b>
LED module, red, 6-24V DC, A1-, EM08		<b>YMLRD024</b>
LED module, red, 110-230V AC, EM06		<b>YMLRW230</b>
LED module, green, 6-24V AC/DC, EM11		<b>YMLGA024</b>
LED module, green 6-24V DC with protection diode, A1+, EM12		<b>YMLGD024</b>
LED module, green, 110-230V AC, EM10		<b>YMLGW230</b>
Protection diode module 6-230V DC, A1+, EM09		<b>YMF DG230</b>
RC Network module 6-60V AC, EM02		<b>YMRCW024</b>
RC Network module 110-230V AC, EM03		<b>YMRCW230</b>
Varistor module, 24V-AC, EM04		<b>YMV AW024</b>
Varistor module 230V-AC, EM05		<b>YMV AW230</b>

## Pluggable Interface Relay XT



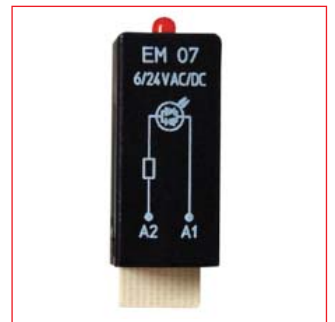
XT484LC4



RT7872P



YRT78624



YMLRA024

### Schrack-Info

- 1 pole 16 A, 2 poles 8 A, 1 or 2 CO
- AC or DC coil, sensitive coil 400 mW
- Reinforced insulation, appliance class II (VDE 0700)
- Safe disconnection compliant with VDE0160 in combination with socket YRT78626
- 4 kV, 8 mm coil/contact
- Lockable manual testing system (see drawing "How To Use")
- Optional model with mechanical and/or electrical indication
- Suitable for standard RT sockets
- Recyclable packaging
- Complies with the 2002/95/EC RoHS Directive
- For control panels, machine building

### Dimensions (mm)

