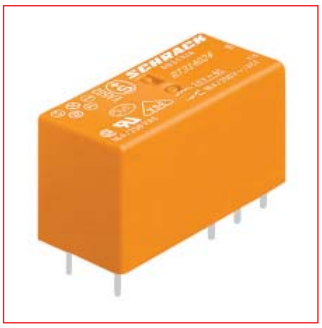
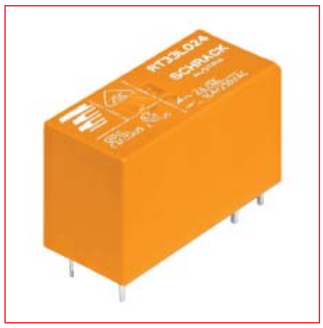
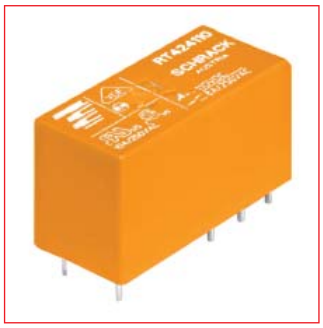
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Power Relays Series RT


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

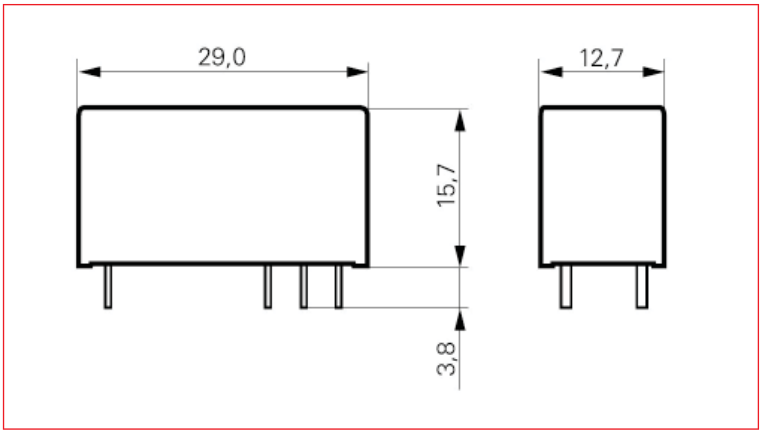
Power Relays Series RT

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	$AgSnO_2$		X		
RTS3T024	1 NO	16	DC	24 V	5	T** + $AgSnO_2$			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

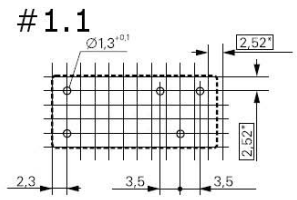
Dimensions (mm)

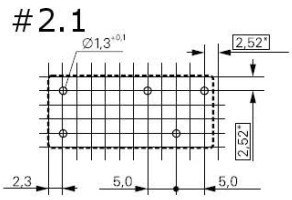


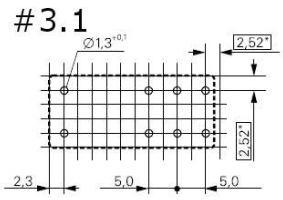
Power Relays Series RT

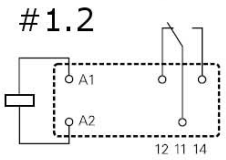
Circuit Diagrams

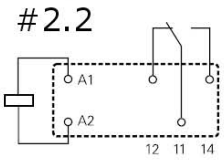
A

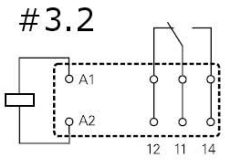


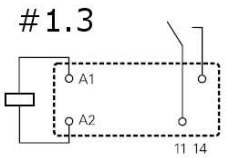


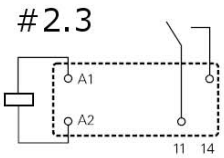


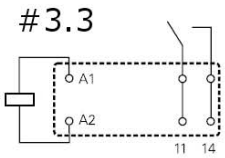




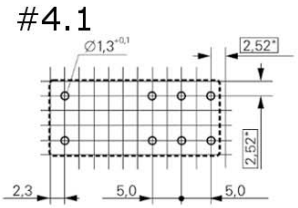


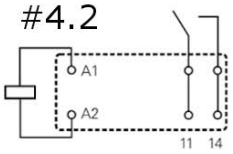


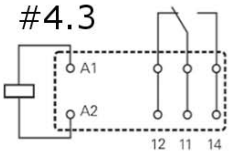




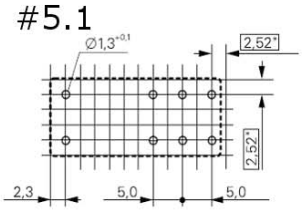
B

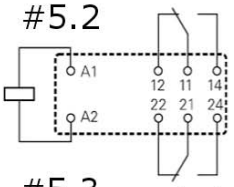


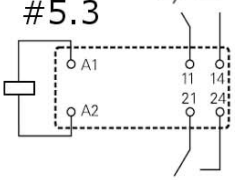




C







Circuit Diagrams, Contacts & Pinning

A	RT1
B	RT1 Inrush and High Inrush
C	RT2
#1.1	12 A, pinning 3.5 mm
#1.2	1 CO
#1.3	1 NO
#2.1	12 A, pinning 5 mm
#2.2	1 CO
#2.3	1 NO

#3.1	16 A, pinning 5 mm
#3.2	1 CO
#3.3	1 NO
#4.1	16 A, pinning 5 mm
#4.2	1 NO
#4.3	1 CO
#5.1	8 A, pinning 5 mm
#5.2	2 CO
#5.3	2 NO

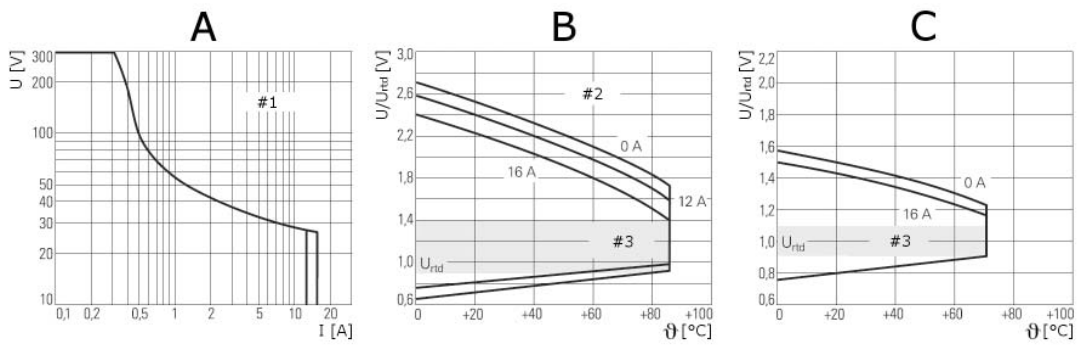
General Info

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

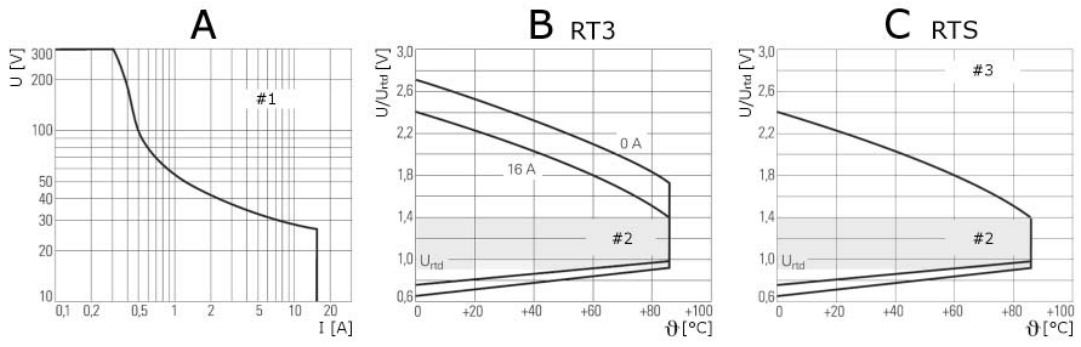
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Power Relays Series RT

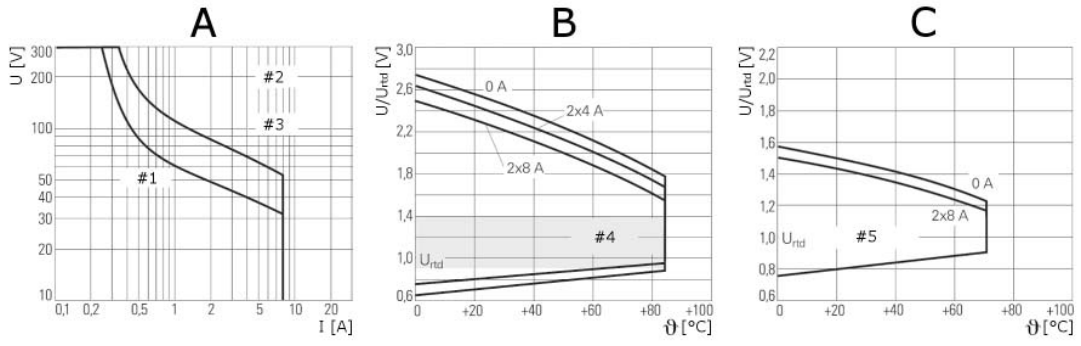
Rated Breaking Capacity & Coil Operating Voltage Range RT1



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

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

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

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Power Relays Series RT

Technical Data

RT1

CONTACT DATA		**12 A**	**16 A**
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	
COIL DATA			
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	24 V DC coil	16.8 V / 2.4 V / 1440 Ω ± 10%	
at ambient temperature 23 °C	230 V AC coil	172.5 V / 34.5 V / 32500 Ω ± 10%	

RT1 Inrush and High Inrush

CONTACT DATA		**RT3**	**RTS**
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, $AgSnO_2$	W (lead contact) + $AgSnO_2$
COIL DATA			
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	24 V DC coil	16.8 V / 2.4 V / 1440 Ω ± 10%	
at ambient temperature 23 °C	230 V AC coil	-	172.5 V / 34.5 V / 32500 Ω ± 10%

RT2

CONTACT DATA		**8 A**
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
COIL DATA		
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	24 V DC coil	16.8 V / 2.4 V / 1440 Ω ± 10%
at ambient temperature 23 °C	230 V AC coil	172.5 V / 34.5 V / 32500 Ω ± 10%

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Power Relays Series RT

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

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

Power Relays Series RT

DESCRIPTION	AVAILABLE	ORDER NO.
Modules Matching Plug-in Socket for Power Relays RT		
LED module, red, 6-24V AC/DC, EM07		YMLRA024
LED module, red, 6-24V DC, A1+, EM18		YMLRD024-A
LED module, red, 6-24V DC, A1-, EM08		YMLRD024
LED module, red, 110-230V AC, EM06		YMLRW230
LED module, green, 6-24V AC/DC, EM11		YMLGA024
LED module, green 6-24V DC with protection diode, A1+, EM12		YMLGD024
LED module, green, 110-230V AC, EM10		YMLGW230
Protection diode module 6-230V DC, A1+, EM09		YMFDG230
RC Network module 6-60V AC, EM02		YMRCW024
RC Network module 110-230V AC, EM03		YMRCW230
Varistor module, 24V-AC, EM04		YMVAW024
Varistor module 230V-AC, EM05		YMVAW230

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)

