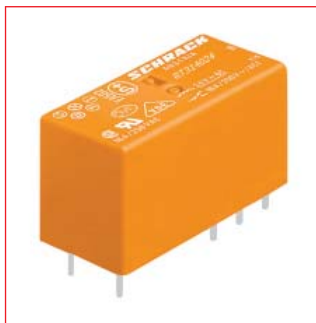
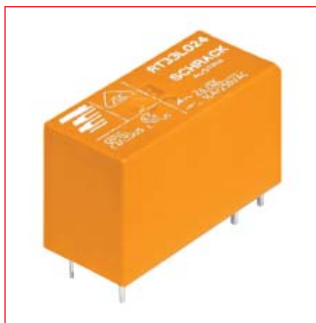


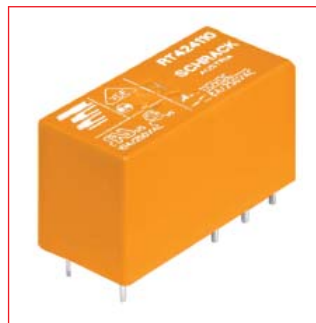
Power Relays Series RT



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

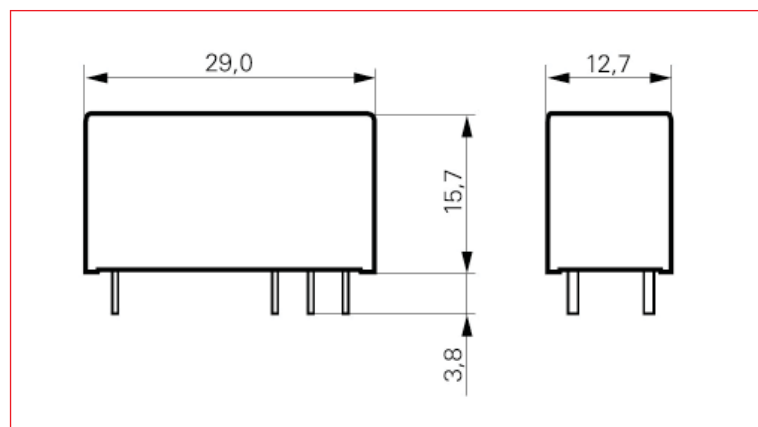
RT Overview

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

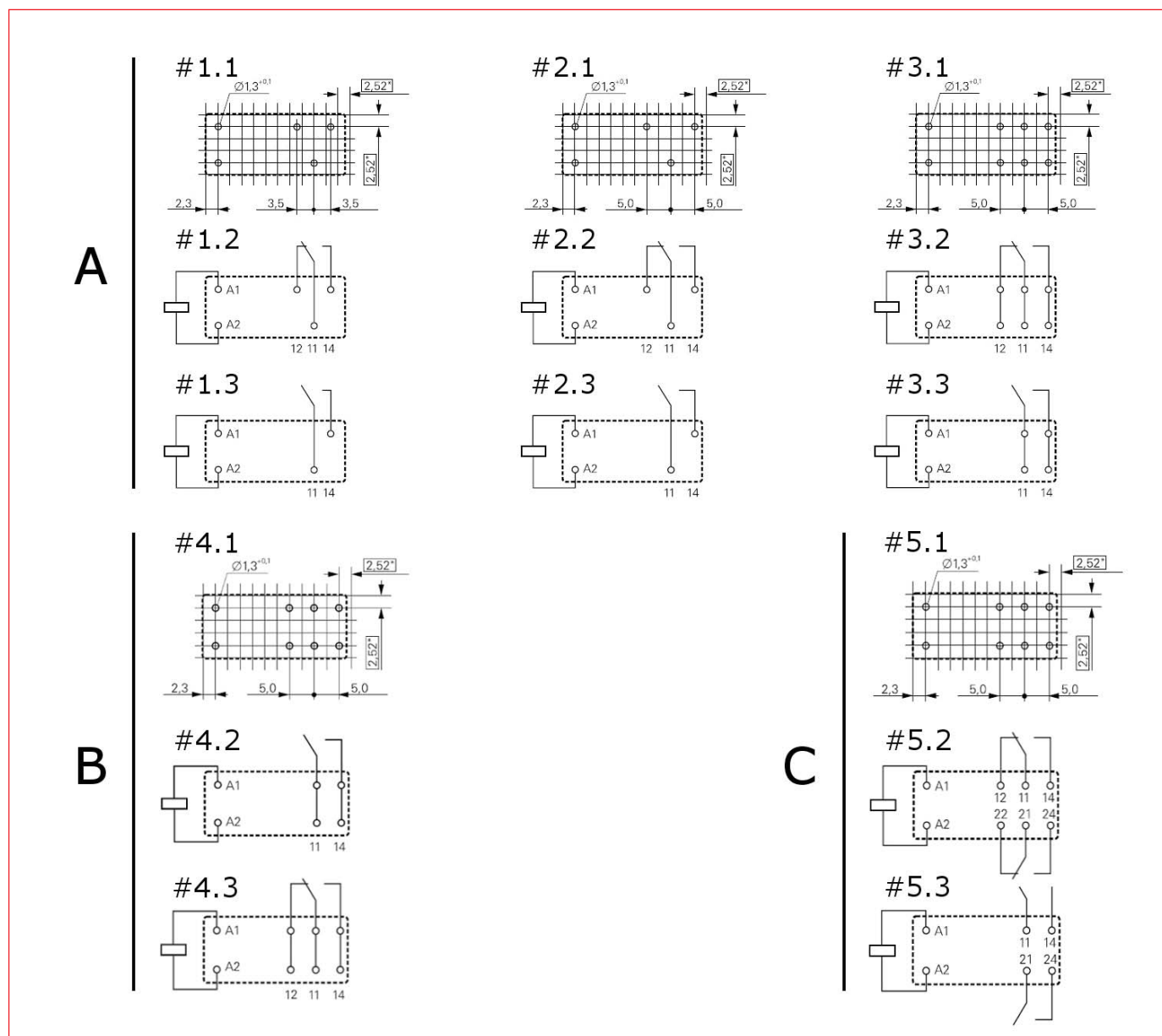
**Tungsten pre-contact

Dimensions (mm)



Power Relays Series RT

Circuit Diagrams



Circuit Diagrams, Contacts & Pinning

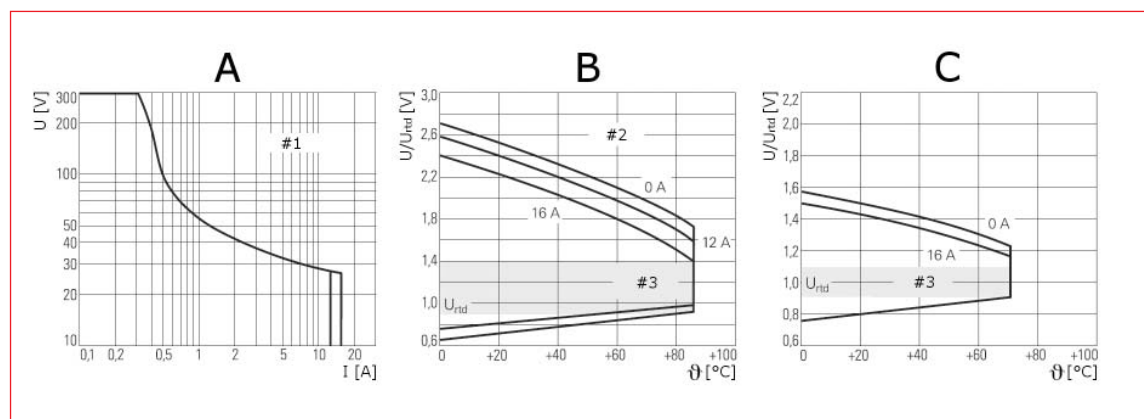
A	RT1	#3.1	16 A, pinning 5 mm
B	RT1 Inrush and High Inrush	#3.2	1 CO
C	RT2	#3.3	1 NO
#1.1	12 A, pinning 3.5 mm	#4.1	16 A, pinning 5 mm
#1.2	1 CO	#4.2	1 NO
#1.3	1 NO	#4.3	1 CO
#2.1	12 A, pinning 5 mm	#5.1	8 A, pinning 5 mm
#2.2	1 CO	#5.2	2 CO
#2.3	1 NO	#5.3	2 NO

General Info

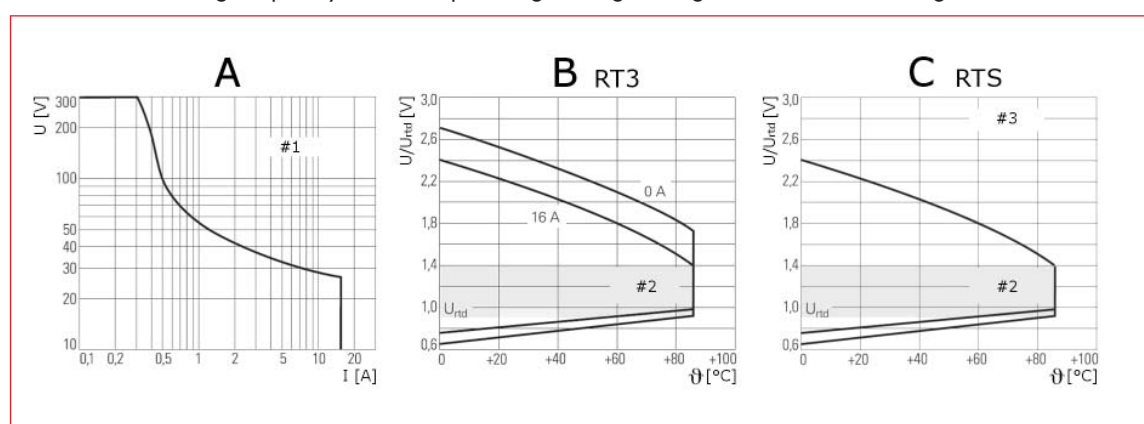
View of the terminals, dimensions in mm.
Equipping with indicated hole diameter also possible
in 2.5 mm or 2.54 mm contact spacing.

Power Relays Series RT

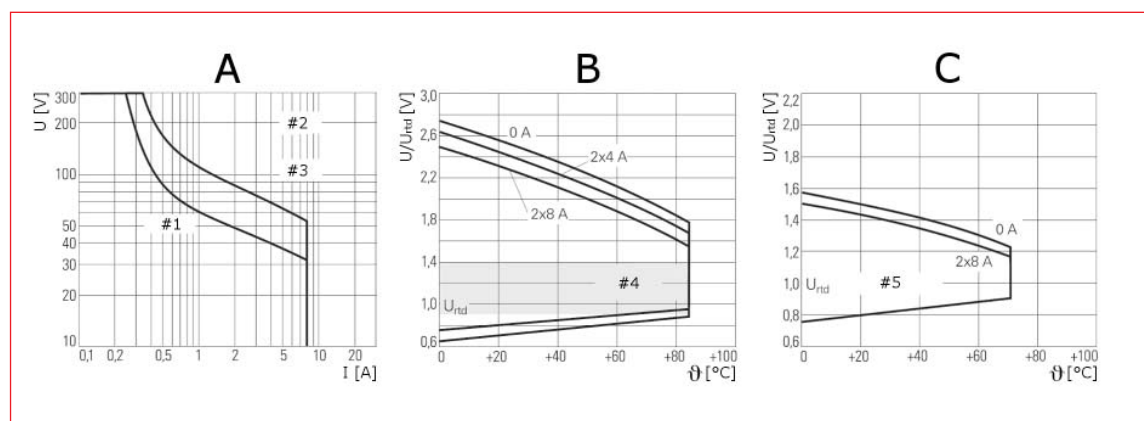
Rated Breaking Capacity & Coil Operating Voltage Range RT1



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_{rd}	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_{rd}	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_{rd}	Coil voltage in [V]
I	DC current in [A]
θ	Ambient temperature in [°C]

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 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%	

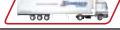
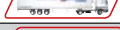
RT1 Inrush and High Inrush

CONTACT DATA		RT3	RT5
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 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

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 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

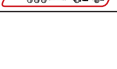
DESCRIPTION	AVAILABLE	ORDER NO.
Power Relays RT1, 12A		
12V-DC, 1 CO, 12A		RT114012
24V-DC, 1 CO, 12A		RT114024
24V-AC, 1 CO, 12A		RT114524
12V-DC, 1 CO, 12A		RT214012
24V-DC, 1 CO, 12A		RT214024
230V-AC, 1 CO, 12A		RT214730
Power Relays RT1, 16A		
5V-DC, 1 CO, 16A		RT314005
6V-DC, 1 Wechsler, 16A		RT314006
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 RT1 x 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

Plug-in Relays

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		YMGD024
RC Network module 6-60V AC, EM02		YMRCW024
RC Network module 110-230V AC, EM03		YMRCW230
Varistor module, 24V-AC, EM04		YMWAW024
Varistor module 230V-AC, EM05		YMWAW230

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)

