



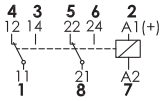




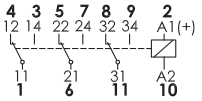
RM2-FT Relay 2 contacts

RM3-FT Relay 3 contacts

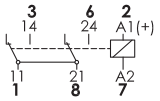
Wiring diagram RME20N
2 change-over contact



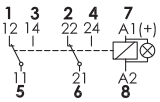
Wiring diagram RME30N
3 change-over contact



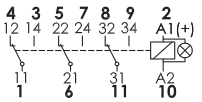
Wiring diagram RMED1
1 contact double make



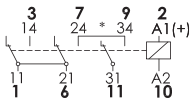
Wiring diagram RMS20L
2 change-over c. button



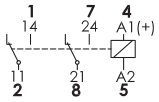
Wiring diagram RMS30L
3 change-over c. button



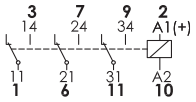
Wiring diagram RMET1
1 contact triple make



Wiring diagram RME2AN
2 open contact



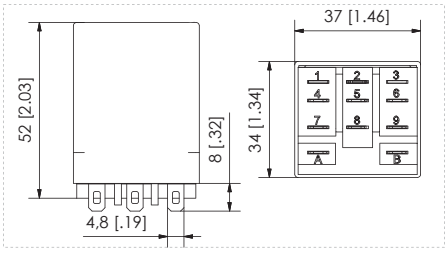
Wiring diagram RME3AN
3 open contact



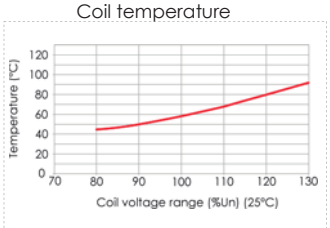
In 1 contact triple make is absolutely necesary use the socket

* SMB31D11TFT

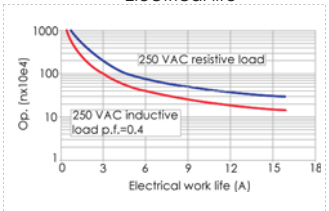
Dimensions RM2-FT & RM3-FT



Coil temperature



Electrical life



Features

Universal power relays for general applications with faston terminals, specially designed to have a high resistance to the wearing down in inductive load applications , for DC current.
Nominal power DC 1,5 W & AC 2,4 VA.
Low consumption and high response.
Protection class: IP40.
Insulation: IEC61810-1 - 2,5 Kv/3.
Pollution degree: 2.
Contact material: (Ag+ Ni)
European Patent.
Approvals: CE, UL.

RME2-FT & RME3-FT change-over contacts

Available in 2 & 3 change-over contacts with max. current 16 A - 250 VAC / 30 VDC

RMS2-FT & RMS3-FT change-over contacts with led & button

Available in 2 & 3 change-over contacts with max. current 16 A - 250 VAC / 30 VDC

RMEA2-FT & RMEA3-FT open contacts

Power relay faston terminals, special designed for DC charge Applications with 1,5 mm GAP.
Available in 2 & 3 open contacts with max. current 16 A - 250 VAC / 30 VDC & 1A - 220 VDC

RMED-FT 1 open contact with double and triple make

Universal power relay faston 1 open contact double and triple make, designed with higher GAP to obtain more switching capacity for DC current in inductive charges.

RMED 1 Double make

1 open contact with double make 3A/220 VDC1 - GAP ≥ 3mm.
Available in 1 contact with max. current 16A/3A (250VAC/30VDC)

RMET 1 Triple make

1 open contact with triple make 3A/220 VDC1 - GAP ≥ 4,5mm.
Available in 1 contact with max. current 16A/5A (250VAC/30VDC)

*Triple make use with socket SMB31D11TFT only.

Coil ratings

Nominal voltage VDC	**6**	**12**	**24**	**48**	**115**	**220**
Resistance (Ω ±15%)	23,5	96	430	1,6K	9,8K	39,7K
Nominal voltage VAC	**6**	**12**	**24**	**48**	**120**	**230**
Resistance (Ω ±15%)	3,9	17	78	305	1,2K	6,4K

Coil values (at 25 °C)

	VDC	VAC 50HZ
Operating range	0,8 -1,1 Un	0,8 -1,1 Un
Max. drop-out voltaje	≥15% Un	≥30% Un

RELEQUICK S.A. Ctra. Méntrida a Aldea del Fresno s/n. 45930 Méntrida. Toledo. Spain. Tel: + 34 91 812 42 84 Fax: +34 91 817 85 65 E-mail: info@relequick.com www.relequick.com

Contacts

	RME Change over contacts	RMS Change over contacts with led and button	RMEA Open contacts	RMED Contact double make	RMET Contact triple make
Change over contacts	2C and 3C	2C and 3C	2C and 3C	1C	1C
Gap	≥ 1,5mm	≥ 1,5mm	≥ 1,5mm	≥ 3,5mm	≥ 4,5mm
Max. contact power	4.000VA / 480W	4.000VA / 480W	4.000VA / 480W	4.000VA / 480W	4.000VA / 480W
Max. current	16A (250VAC1/30VDC1)	16A (250VAC1/30VDC1)	16A (250VAC1) 1A (220 VDC1)	16A (250VAC1) 3A (220 VDC1)	16A (250VAC1) 5A (220 VDC1)
Maximum breaking capacity	110V DC -> 0,4A 220V DC -> 0,15-0,20A	110V DC -> 0,4A 220V DC -> 0,15-0,20A	110V DC -> 0,4A 220V DC ->0,15-0,20A	110V DC -> 0,4A 220V DC -> 0,15-0,20A	110V DC -> 0,4A 220V DC->0,15-0,20
Contact resistance	≤30mΩ	≤30mΩ	≤30mΩ	≤30mΩ	≤30mΩ
Contact material	Silver alloy	Silver alloy	Silver alloy	Silver alloy	Silver alloy

Specifications RF-PT

Electrical life ..... ≥10^5 cycles
Mechanical life ..... ≥10^7 cycles
Insulation resistance ..... ≤1000MΩ(500VDC)
Operation time ..... ≤30ms
Operation frequency ..... 1200op/h at nominal load
Release time ..... ≤20ms
Dielectric strength at 1mA ..... 4.200VAC/1min(between coil and contacts)
1.200VAC/1min(between contacts)
Vibration resistance ..... 10 - 50Hz (Double width 1,5mm)
Shock resistance 10g
Room temperature ..... -40 °C +65 °C
Room humidity ..... 35% -85% RH
Armospheric pressure ..... 86 - 106 KPa
Weight 72gr
Pack units 20



References RM-FT relays

Example: Relay RM-FT. 3 contacts, 230VAC coil voltage, with LED.

RM S 3 0 L 230 AC FT

Product series
RM: RM relays series

Type
S: With button
E: Without button

Contacts number
1: 1 contact double or triple make
2: 2 contacts
3: 3 contacts

Contact material
A: Open contacts
D: Double make one contact
T: Triple make one contact
0: Change over contact

Led
L: witht led
N: without led

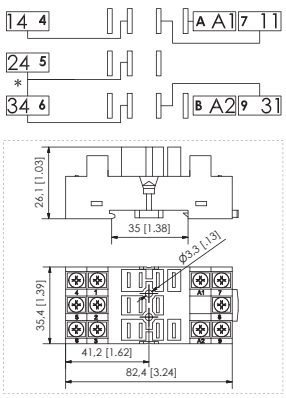
Coil voltage
006: 6V
012: 12V
024: 24V
048: 48V
060: 60V
115: 115V (only DC)
120: 120V (only AC)
220: 220V (only DC)
230: 230V (only AC)

Coil version
AC: VAC voltage
DC: VDC voltage

Series features
FT: FT series power relays

Sockets SMBG-FT





Features

DIN rail (35 mm) or panel mounting, T35 (EN 60715).
DIN/EN sequential numbering.
IEC / EN 61812/1/4 compliant.
Clip and label included.
Electronic modules allowed.

Specifications SMB-FT

Nominal load ..... 10A / 400VAC
Dielectric strenght 2,5KV
Max. screw torque 1,2Nm
Screws ..... M3 Steel. Pozi drive
Wire in lets capacity: solid wire ..... 4 mm^2 or 2 x 2,25 mm^2
Wire in lets capacity: multi-core ..... 22 – 14 AWG
Weight 67gr
Pack units 10

References sockets SMB-FT

SMB31D11FT000	Long black socket for 2 & 3 contacts relays
SMB31D11TFT00	Long black socket special for triple make





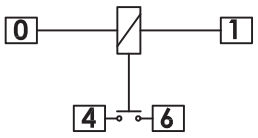




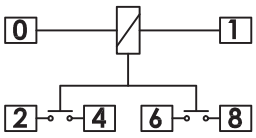
RPA1 Relay 1 contact

RPA2 Relay 2 contacts

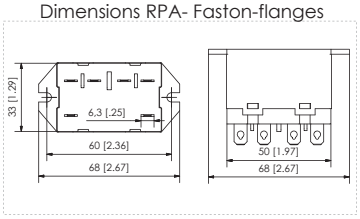
Wiring diagram RPA1



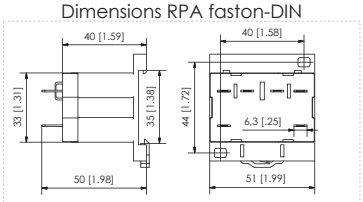
Wiring diagram RPA2



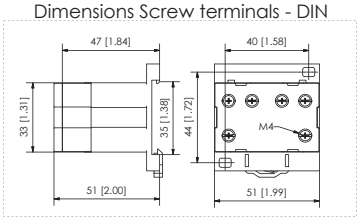
Dimensions RPA- Faston-flanges



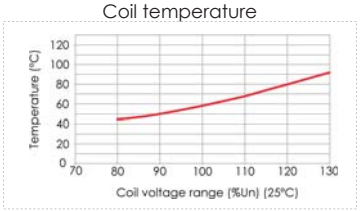
Dimensions RPA faston-DIN



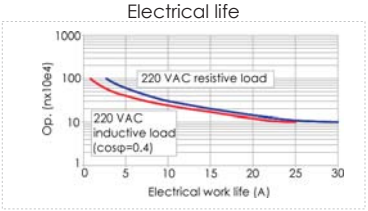
Dimensions Screw terminals - DIN



Coil temperature



Electrical life



Features

High power relay designed for strong current load applications.
1 & 2 open contacts used for up to 30 / 25A.
Available with flanges for panel or DIN rail, and faston or screw terminals.
Nominal power DC 1,9 W & AC 2,5 VA.
Insulation: IEC61810-1 - 2,5 Kv/3.
Pollution degree 2
Approvals: CE, UL.
Protection class: IP20.
European patent.

Coil ratings

Nominal voltage VDC	**6**	**12**	**24**	**48**	**115**	**-**
Resistance (Ω ±10%)	19	75	300	1,2K	6,4K	-
Nominal voltage VAC	**6**	**12**	**24**	**48**	**120**	**230**
Resistance (Ω ±10%)	17	65	275	1,1K	4,7K	21K

Coil values (at 25 ºC)

	VDC	VAC 50HZ
Operating range	0,75 -1,1 Un	0,8 -1,1 Un
Max. drop-out voltage	≥15% Un	≥30% Un

Contacts

Contact arrangement: 1C and 2C open contacts.
Maximum contact power: 7.500 & 6.250 VAC (AC1).
Maximum voltage: 250 VAC.
Maximum current: 30A (1C) & 25A (2C)
AC1 250V-9A-250VAC3
Maximum breaking capacity: 7500 VA/840W, AC1 250/ DC1 30V
Contact resistance: ≤50 mΩ.
Contact material: Silver alloy (m + Ag+ Ni).

Specifications RF-PT

Electrical life	$\geq 10^5$ cycles
Mechanical life	$\geq 5x10^6$ cycles
Insulation resistance	≤1000MΩ(500VDC)
Operation time	≤30ms
Operation frequency	1200op/h at nominal load
Release time	≤30ms
Dielectric strength at 1mA	4.000VAC/1min(between coil and contacts) 1.000VAC/1min(between contacts)
Vibration resistance	10 - 50Hz (Double width 1,5mm)
Shock resistance	10g
Room temperature	-40 ºC +65 ºC
Room humidity	35% - 85% RH
Armospheric pressure	86 - 106 KPa
Weight	91gr faston terminals 123gr screw terminals
Pack units	10

References RPA relays

Example: Relay RPA 1 contact, 24VDC coil voltage, faston and DIN rail

RPA 1 A N 024 DC H T

Product series
RF: RF relays series

Contacts number
1: 1 contact
2: 2 contacts

Contact
A: Open contacts for all models

Led
N: without led

Coil voltage
006: 6V
012: 12V
024: 24V
048: 48V
115: 115V (only DC)
120: 120V (only AC)
230: 230V (only AC)

Coil version
AC: VAC voltage
DC: VDC voltage

Connection features
F: Faston terminals & flanges
H: Faston terminal & DIN rail
T: Screw terminal & DIN rail

Series features
T: T series

RELEQUICK S.A. Ctra. Méntrida a Aldea del Fresno s/n. 45930 Méntrida. Toledo. Spain. Tel: + 34 91 812 42 84 Fax: +34 91 817 85 65 E-mail: info@relequick.com www.relequick.com