



Features

DIN rail (35 mm) or panel mount
 Available with module long form or without module short form.
 DIN/EN sequential numbering
 According to EN 60947

Specifications

Nominal load 10 A / 400 VAC
 Dielectric strength 2,5 KV
 Max. screw torque 1,2 Nm
 Screws M3 Steel. Pozi drive
 Wire in lets capacity solid wire 4mm² or 2x2,25mm²
 Wire in lets capacity multi-core 22 – 14 AWG

References

SMB21D10T Long sockets (module) with screw terminals for RM relays 2 contacts black.
 SMB21D11T Short sockets with screw terminals for RM relays 2 contacts black.
 SMB20D11T Short sockets with screw terminals for RM relays 2 contacts grey.
 SMB31D10T Long sockets (module) with screw terminals for RM relays 3 contacts black.
 SMB31D11T Short sockets with screw terminals for RM relays 3 contacts black.
 SMB30D11T Short sockets with screw terminals for RM relays 3 contacts grey.

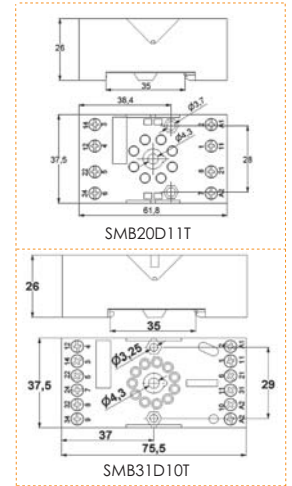


SMB21D10T

SMB31D10T



SMB30D11T



SMB20D11T

SMB31D10T

Power relays RME-FT, RMEA-FT & RMED-FT



RME2AN(J)FT

RME30N(J)FT

RMS30L(J)FT

SMB31D11FT

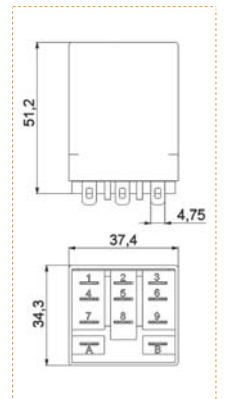
References

Relays RME-FT, and relays RMEA-FT - 2 and 3 contacts

| | | | | | |
|-------------|---|-----|------------|-----------------|-----|
| RME2AN(J)FT | Power relay 2 open contacts, 16A, GAP 1,5mm, 1A - 220VDC | VDC | 06/12/24 | 48-110/115 | 220 |
| RME3AN(J)FT | Power relay 3 open contacts, 16 A, GAP 1.5mm, 1A - 220VDC | | | | |
| RME20N(J)FT | Power relay 2 change - over contacts, 16 A. | VAC | 6/12/24/48 | 110/120-220/230 | |
| RME30N(J)FT | Power relay 3 change - over contacts, 16 A. | | | | |
| RMS20L(J)FT | Power relay 2 & 3 change - over contacts, 16 A. with led and button | | | | |
| RMS30L(J)FT | | | | | |

Relays RMEA-FT - 1 open contact with double or triple make

| | | | | | |
|-------------|---|-----|------------|-----------------|-----|
| RME1DN(J)FT | Power relay 1 open contact, double make, 16 A - 250VAC1, GAP 3mm 3A - 220VDC1 | VDC | 06/12/24 | 48-110/115 | 220 |
| RME1TN(J)FT | Power relay 1 open contact, triple make, 16A - 250VAC1, GAP 4.5mm 5A - 220 VDC1 | VAC | 6/12/24/48 | 110/120-220/230 | |



SM - T Sockets for relays RME-FT

SMB31D11FT Sockets with screw terminals for relays RME-FT

SMB31D11TFT Special socket for relay RME1TN(J)FT triple make

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.

RME-FT 2 & 3 change over contacts

Available in 2 & 3 change-over contacts with max. current 16 A - 250 VAC / 30 VDC
 Nominal power DC 1,5 W & AC 2.4 VA.
 Low consumption and high response.
 Approvals: CE UL.

RMEA-FT 2 & 3 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
 Nominal power DC 1,5 W & AC 2.4 VA.
 Approvals: CE UL.

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.

Double make 3A/220 VDC1 - GAP ≥ 3 mm.
 Triple make 5A/220VDC1 - GAP $\geq 4,5$ mm.

Nominal power DC 1,5 W & AC 2,4 VA.
 Approvals: CE UL.

Contacts

RME - FT 2 & 3 change over contacts

Contacts arrangement 2C & 3C
 Max. contact power 4000 VA / 480 W
 Max. voltage 250 VAC / 30 VDC
 Max. current 16 A - 250VAC1 / 30 VDC1
 Contact resistance ≤ 30 m Ω
 Contact material Silver alloy

RMEA - FT 2 & 3 open contacts

Contacts arrangement 2C & 3C
 GAP $\geq 1,5$ mm
 Max. contact power 4000 VA / 220 W
 Max. voltage 250 VAC / 220 VDC
 Max. current 16 A - 250VAC1 / 1A 220VDC1
 Contact resistance ≤ 30 m Ω
 Contact material Silver Alloy



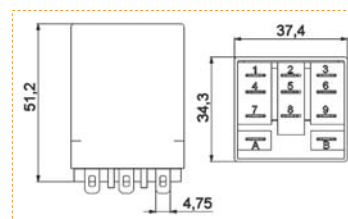
RMEA(1)FT RME1D(1)FT

RMED - FT 1 open contact with double and triple make

Models Double make (RME1D-FT) Triple make (RME1T-FT)
 Contacts arrangement 1C open contact
 GAP ≥ 3 mm (double make) $\geq 4,5$ mm (triple make)
 Max. contact power 4000 VA / 660 W 4000 VA / 1100 W
 Max. voltage ... 250 VAC / 220 VDC 250 VAC / 220 VDC
 Max. current 16 A/3A (250VAC) 16 A / 5A(250VAC1/220VDC1)
 Contact resistance ≤ 30 m Ω
 Contact material Silver alloy

Specifications

Electrical life $\geq 10^5$ cycles
 Mechanical life $\geq 10^7$ cycles
 Insulation resistance ≥ 1000 M Ω (500 VDC)
 Operating time ≤ 30 ms
 Release time ≤ 20 ms
 Dielectric strength at 1 mA 4000 VCA / 1 min.
 (Between coil and contacts)
 1.200 VCA / 1 min.
 (Between open contacts)
 Shock resistance 10 G
 Room temperature - 40° C + 65° C
 Room humidity 35% - 85% RH
 Weight 80gr.
 Pack units 20



RME(1)FT RMEA(1)FT RMED(1)FT

Coil values (at 25°C)

| | VDC | VAC 50Hz |
|-----------------------|----------------|----------------|
| Operating range | 0,8 - 1,1Un | 0,8 - 1,1Un |
| Max. drop-out voltage | $\geq 15\%$ Un | $\geq 30\%$ Un |

Coil ratings

| | | | | | |
|----------------------------------|-----|-----|------|------|-------|
| Nominal voltage VDC | 12 | 24 | 48 | 60 | 115 |
| Resistance ($\Omega \pm 10\%$) | 110 | 475 | 2000 | 2850 | 10000 |
| Nominal voltage VAC | 12 | 24 | 48 | 120 | 230 |
| Resistance ($\Omega \pm 10\%$) | 24 | 86 | 100 | 2000 | 8300 |

Features

High power relay designed for strong current charges applications, 1 & 2 open contacts used for up to 30 / 25A.

Available with flanges for pannel or DIN rail, and faston or screw terminals.

Nominal power DC 1,9 W & AC 2,5 VA.

Approvals: CE, UL.

Contacts

| | |
|---------------------|-----------------------------|
| Contact arrangement | 1C & 2C open contacts |
| Max. contact power | 7500 & 6250 VAC (AC1) |
| Max. voltage | 250 VAC |
| Max. current | 30&25A(AC1 250V)-9A-250VAC3 |
| Contact resistance | $\leq 50 \text{ m}\Omega$ |
| Contact material | Silver alloy |

Coil values (at 25° C)

| | VDC | VAC 50Hz |
|-----------------------|------------------------|------------------------|
| Operating range | 0,75 - 1,1Un | 0,8 - 1,1Un |
| Max. drop-out voltage | $\geq 15\% \text{ Un}$ | $\geq 30\% \text{ Un}$ |

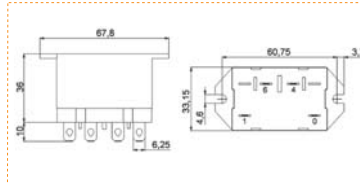
Coil ratings

| | | | | | | |
|----------------------------------|----|----|-----|------|------|-------|
| Nominal voltage VDC | 6 | 12 | 24 | 48 | 115 | |
| Resistance ($\Omega \pm 10\%$) | 19 | 75 | 300 | 1220 | 6360 | |
| Nominal voltage VAC | 6 | 12 | 24 | 48 | 120 | 230 |
| Resistance ($\Omega \pm 10\%$) | 17 | 65 | 275 | 1100 | 4730 | 21000 |

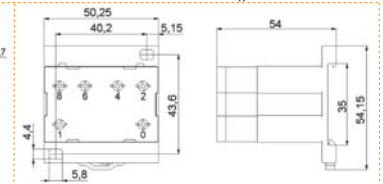
Specifications

| | |
|-----------------------------|--|
| Electrical life | $\geq 10^5$ cycles |
| Mechanical life | $\geq 5 \times 10^6$ cycles |
| Insulation resistance | $\geq 1000 \text{ M}\Omega$ (500 VDC) |
| Operating time | $\leq 30 \text{ ms}$ |
| Release time | $\leq 30 \text{ ms}$ |
| Dielectric strength at 1 mA | 4000 VAC / 1 min. (Between coil and contacts) 2000 VAC / 1 min. (Between open contacts) |
| Vibration resistance | 10 – 50 Hz (Double width 1,5 mm) |
| Shock resistance | 10 G |
| Room temperature | - 40° C + 65° C |
| Room humidity | 35% - 85% RH |
| Atmospheric pressure | 86 – 106 KPa |
| Weight | 90 gr (Faston terminals) 120 gr (Screw terminals) |
| Pack units | 1 |

RPA1AN(J)FT



RPA2AN(J)TT



RPA1AN(J)FT



RPA2AN(J)FT



RPA2AN(J)HT



RPA2AN(J)TT

References

| | | | | |
|-------------|--|-----|------------|-----------------|
| RPA1AN(J)FT | High power relay, 1 open contact faston and flanges 30A | VDC | 06/12/24 | 48-110-115 |
| | | VAC | 6/12/24/48 | 110/120-220/230 |
| RPA2AN(J)FT | High power relay, 2 open contacts faston and flanges 25A | VDC | 06/12/24 | 48-110-115 |
| | | VAC | 6/12/24/48 | 110/120-220/230 |
| RPA1AN(J)HT | High power relay, 1 open contact faston and DIN rail 30A | VDC | 06/12/24 | 48-110-115 |
| | | VAC | 6/12/24/48 | 110/120-220/230 |
| RPA2AN(J)HT | High power relay, 2 open contacts faston and DIN rail 25A | VDC | 06/12/24 | 48-110-115 |
| | | VAC | 6/12/24/48 | 110/120-220/230 |
| RPA1AN(J)TT | High power relay, 1 open contact screw terminals and DIN rail 30A | VDC | 06/12/24 | 48-110-115 |
| | | VAC | 6/12/24/48 | 110/120-220/230 |
| RPA2AN(J)TT | High power relay, 2 open contacts screw terminals and DIN rail 25A | VDC | 06/12/24 | 48-110-115 |
| | | VAC | 6/12/24/48 | 110/120-220/230 |