Features

Universal power relay for general applications.
Available in 2 & 3 change-over contacts with max. current 10 A - 250 VAC1 / 28 VDC1.
Nominal power DC 1,5 W & AC 2,7 VA.
Available with and without led for AC/DC relays.
Diode only available for DC.
Socket terminals, 8 pins plug-in for 2 contacts and 11 pins plug in for 3 contacts.
Insulation: IEC61810-5 - 2,5 KV.
Approvals: CE, UL.

Coil ratings

Nominal voltage VDC	**6**	**12**	**24**	**48**	**115**	**220**
Resistance (Ω± 15%)	23,5	96	430	1640	7360	29500
Nominal voltage VAC	**6**	**12**	**24**	**48**	**120**	**230**
Resistance (Ω± 15%)	3,9	17	62,5	305	1250	5170

Coil values at 25°C

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

Contacts

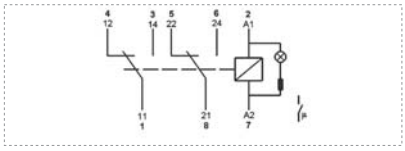
Contact arrangement: 2C & 3C.
Max. contact power: 2500 VA / 280 W.
Max. voltage: 250 VAC / 28 VDC.
Max. current:10A - 250 VAC1 / 28VDC1
Contact resistance: ≤ 50 mΩ.
Contact material: Silver alloy.

Accessories

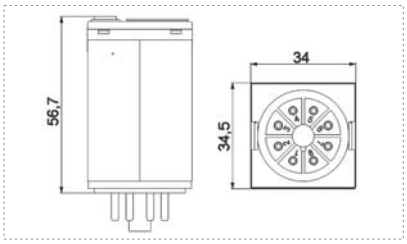
Mechanical indication and a wide window.
3-sequential-position test button (free, check, lock).
With colours for an easier identification of coil voltage (DC Blue, AC Red).
Technical information and coil voltage in frontal part, laser printed.
Interchangeable marking labels, marked by laser (optional).

RMS2 Relay 8 pins 2 contacts

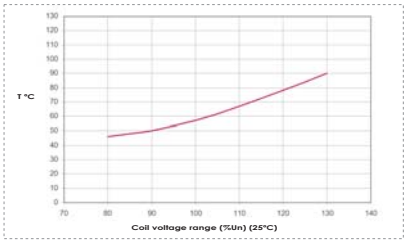
Wiring diagram RMS2



Measures RMS2

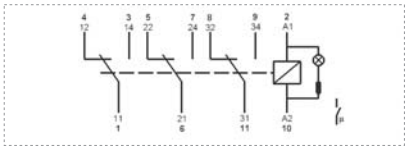


Coil Temperature

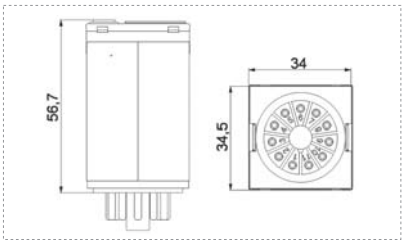


RMS3 Relay 11 pins 3 contacts

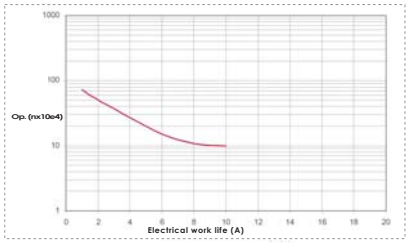
Wiring diagram RMS3



Measures RMS3



Electrical life 24 VDC Resistive load 20ºC



Interchangeable marking labels

They can be easily interchanged or replaced, enabling the relays and sockets identification.

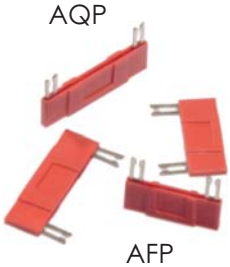
Connection bridges

Connection bridges allow the connection of A2 coil terminal contacts in the Q & F series, thus reducing wiring time and effort.

AQE

AME AFE

AQP



AFP

References RM

RMS20N	6/12/24/48/110-115/220VDC 6/12/24/48/110-120/220-230VAC		Power relay, 2 change-over contacts 10 A
RMS20L	6/12/24/48/110-115/220VDC 6/12/24/48/110-120/220-230VAC		Power relay, 2 change-over contacts 10 A with led
RMS20N	6/12/24/48/110-115/220VDC	D	Power relay, 2 change-over contacts 10 A with diode
RMS20L	6/12/24/48/110-115/220VDC	D	Power relay, 2 change-over contacts 10 A with diode and led
RMS30N	6/12/24/48/110-115/220VDC 6/12/24/48/110-120/220-230VAC		Power relay, 3 change-over contacts, 10 A
RMS30L	6/12/24/48/110-115/220VDC 6/12/24/48/110-120/220-230VAC		Power relay, 3 change-over contacts, 10 A with led
RMS30N	6/12/24/48/110-115/220VDC	D	Power relay, 3 change-over contacts, 10 A with diode
RMS30L	6/12/24/48/110-115/220VDC	D	Power relay, 3 change-over contacts, 10 A with diode and led

Specifications RM

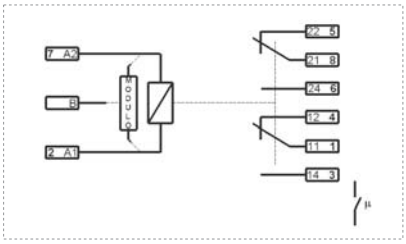
Electrical life	$\geq 10^5$ cycles
Mechanical life	$\geq 10^7$ cycles
Insulation resistance	≤1000 MΩ (500VDC)
Operation time	≤30 ms
Operation frequency	1200 op/h at nominal load
Release time	≤20 ms
Dielectric strength at 1 mA	2.500 VAC / 1 min. (between coil and contacts) 1.000 VAC / 1 min. (between open contacts)
Vibration resistance	10 – 50 Hz (Double width de 1,5 mm)
Shock resistance	10 G
Room temperature	-40° C + 65° C
Room humidity	35% - 85% RH
Atmospheric pressure	86 – 106 KPa
Weight	80 gr.
Pack units	10

Features

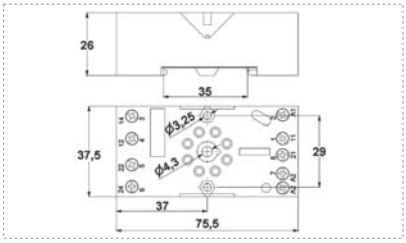
DIN rail (35 mm) or panel mount.
DIN/EN sequential numbering.
According to IEC / EN 61812/1/4.
Clip and label inside.
Electronic modules allowed.

SM2 Socket

Wiring Diagram SM2

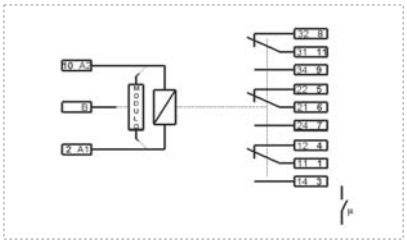


Measures SM2

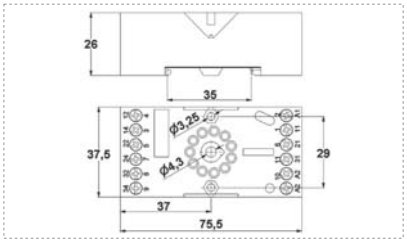


SM3 Socket

Wiring Diagram SM3



Measures SM3



Versions

Screw terminal:
SMB20 for relay RMS2, 2 Contacts
SMB30 for relay RMS3, 3 Contacts

Specifications SMB2 and SMB3

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	4 mm2 or 2 x 2,25 mm2
Wire in lets capacity: multi-core	22 – 14 AWG