



## RM-22.22

2 Pole, 20 A Step relays for direct 35 mm rail (EN 50022) mounting

### Features

- Double phase switch 2 NO (DPST-NO)
- 35 mm rail (EN 50022) mount
- 17.4mm wide
- Test button

### Specifications

#### Contact Specification

Contact configuration	2 NO (DPST-NO)
Rated current/Maximum peak current	20/30 A
Rated voltage/Maximum switching voltage	250/400 V
Rated load in AC1	5000 VA
Rated load in AC15 (230V AC)	1000 VA
Single phase motor rating (230 V AC)	-
Breaking capacity DC1:30/110/220 V	20/0.3/0.12 A
Minimum switching load	1000(10/10) mW(V/mA)
Standard contact material	AgSnO <sub>2</sub>

#### Coil Specification

Nominal voltage (UN)	24 VDC
Rated DC power DC	1.25
Operating range	21.6~26.4 VDC

#### Technical Data

Mechanical life	500 · 10 <sup>3</sup> cycles
Electrical life at rated load in AC1	50 · 10 <sup>3</sup> cycles
Operate/release time	15/8 ms
Maximum impulse duration	continuous
Insulation between coil and contacts (1.2/50 μs)	4 kV
Ambient temperature range	-40...+40 °C
Protection category	IP 20

### Technical data

#### Contact specifications

Nominal rate lamps	
incandescent (230V)	1000 W
compensated fluorescent (230V)	360 W

#### Insulation

Dielectric strength	
between supply and contacts	3500 VAC
between open contacts	2000 VAC
between adjacent contacts	2000 VAC

#### Other data

Bounce time: NO / NC	5/10 ms	
Power lost to the environment	1.2 W	
without contact current	1.3 (20.21, 20.23, 20.28) W	
with rated current and coil deenergised	2.6 (20.22, 20.24, 20.26) W	



Screw torque

0.8 Nm

0.8 Nm

#### Coil terminals

#### Contact terminals

Max. wire size	solid cable	stranded cable	solid cable	stranded cable
	1x4/2x2.5mm <sup>2</sup>	1x2.5/2x2.5mm <sup>2</sup>	1x6/2x6mm <sup>2</sup>	1x6/2x4mm <sup>2</sup>
	1x12/2x14AWG	1x14/2x14AWG	1x10/2x10AWG	1x10/2x12AWG

If the coil is operated for a prolonged period of time, adequate ventilation of the relays must be provided - suggested gap of 9 mm between adjacent relays.

### Coil specifications

#### DC version data

Nominal voltage	Coil code	Operating range		Resistance	Consumption I at UN
24	9.024	21.6	26.4	460	52.2

### Ordering Information

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