

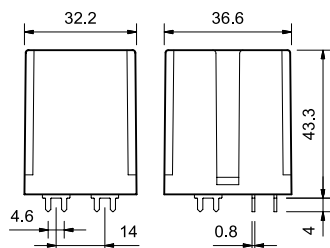
20 A Power relays
1 NO + 1 NC (SPST-NO + SPST-NC)

65.31 Flange mount

Faston 250 connections

65.61 PCB mount

- AC coils & DC coils
- Cadmium Free option available



65.61

* With the AgSnO₂ material the maximum peak current is 120 A - 5 ms on NO contact.

For UL RATINGS SEE:

"General technical information" page V

Contact specification

Contact configuration		1NO + 1NC (SPST-NO+SPST-NC)	1NO + 1NC (SPST-NO+SPST-NC)
Rated current/Maximum peak current	A	20/40*	20/40*
Rated voltage/Maximum switching voltage	V AC	250/400	250/400
Rated load AC1	VA	5000	5000
Rated load AC15 (230 V AC)	VA	1000	1000
Single phase motor rating (230 V AC)	kW	1.1	1.1
Breaking capacity DC1: 30/110/220 V	A	20/0.8/0.5	20/0.8/0.5
Minimum switching load	mW (V/mA)	1000 (10/10)	1000 (10/10)
Standard contact material		AgCdO	AgCdO

Coil specification

Nominal voltage (U _N)	V AC (50/60 Hz)	6 - 12 - 24 - 48 - 60 - 110 - 120 - 230 - 240 - 400	
	V DC	6 - 12 - 24 - 48 - 60 - 110 - 125 - 220	
Rated power AC/DC	VA (50 Hz)/W	2.2/1.3	2.2/1.3
Operating range	AC	(0.8...1.1)U _N	(0.8...1.1)U _N
	DC	(0.85...1.1)U _N	(0.85...1.1)U _N
Holding voltage	AC/DC	0.8 U _N / 0.6 U _N	0.8 U _N / 0.6 U _N
Must drop-out voltage	AC/DC	0.2 U _N / 0.1 U _N	0.2 U _N / 0.1 U _N

Technical data

Mechanical life AC/DC	cycles	10 · 10 ⁶ / 30 · 10 ⁶	10 · 10 ⁶ / 30 · 10 ⁶
Electrical life at rated load AC1	cycles	80 · 10 ³	80 · 10 ³
Operate/release time	ms	10/12	10/12
Insulation between coil and contacts (1.2/50 μs)	kV	4	4
Dielectric strength between open contacts	V AC	1500	1500
Ambient temperature range	°C	-40...+75	-40...+75
Environmental protection		RT I	RT I

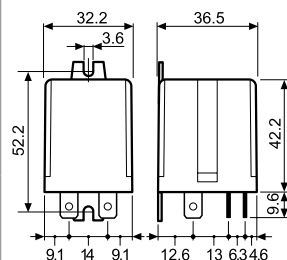
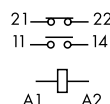
Approvals (according to type)



65.31



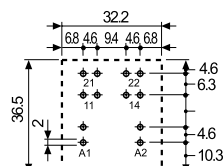
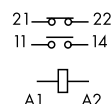
- 20 A rated contacts
- Flange mount/Faston 250 (6.3 x 0.8 mm) connection



65.61



- 20 A rated contacts
- PCB mount - bifurcated terminals



Copper side view

30 A Power relays

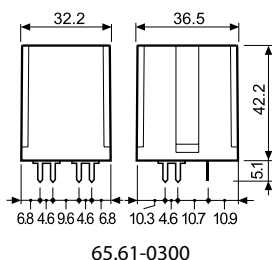
1 NO (SPST-NO)

65.31-0300 Flange mount

Faston 250 connections

65.61-0300 PCB mount

- ≥ 3 mm contact gap
- AC coils & DC coils
- Cadmium Free option available



65.61-0300

* Distance between contacts ≥ 3 mm
(EN 60335-1).

** With the AgSnO₂ material the maximum peak current is 120 A - 5 ms on NO contact.

FOR UL RATINGS SEE:

"General technical information" page V

Contact specification

Contact configuration

1 NO (SPST-NO), ≥ 3 mm*1 NO (SPST-NO), ≥ 3 mm*

Rated current/Maximum peak current

A

30/50**

30/50**

Rated voltage/

Maximum switching voltage

V AC

250/400

250/400

Rated load AC1

VA

7500

7500

Rated load AC15 (230 V AC)

VA

1250

1250

Single phase motor rating (230 V AC)

kW

1.5

1.5

Breaking capacity DC1: 30/110/220 V

A

30/1.1/0.7

30/1.1/0.7

Minimum switching load

mW (V/mA)

1000 (10/10)

1000 (10/10)

Standard contact material

AgCdO

AgCdO

Coil specification

Nominal voltage (U_N)

V AC (50/60 Hz)

6 - 12 - 24 - 48 - 60 - 110 - 120 - 230 - 240 - 400

V DC

6 - 12 - 24 - 48 - 60 - 110 - 125 - 220

Rated power AC/DC

VA (50 Hz)/W

2.2/1.3

2.2/1.3

Operating range

AC

(0.8...1.1)U_N(0.8...1.1)U_N

DC

(0.85...1.1)U_N(0.85...1.1)U_N

Holding voltage

AC/DC

0.8 U_N / 0.6 U_N0.8 U_N / 0.6 U_N

Must drop-out voltage

AC/DC

0.2 U_N / 0.1 U_N0.2 U_N / 0.1 U_N

Technical data

Mechanical life AC/DC

cycles

10 · 10⁵ / 30 · 10⁶10 · 10⁵ / 30 · 10⁶

Electrical life at rated load AC1

cycles

50 · 10³50 · 10³

Operate/release time

ms

15/4

15/4

Insulation between coil and contacts (1.2/50 μs)

kV

4

4

Dielectric strength

between open contacts

V AC

2500

2500

Ambient temperature range

°C

-40...+75

-40...+75

Environmental protection

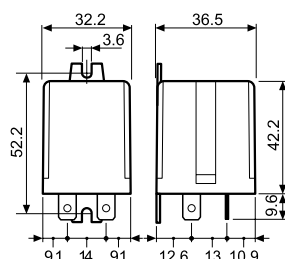
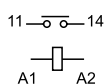
RT I

RT I

Approvals (according to type)



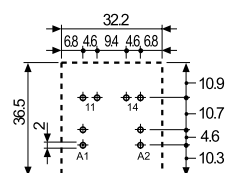
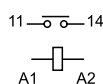
- 30 A rated contacts
- Flange mount/Faston 250 (6.3 x 0.8 mm) connection



65.61-0300



- 30 A rated contacts
- PCB mount - bifurcated terminals



Copper side view