

2 Pole Changeover (DPDT) 30 A Power relay

Type 66.22

- PCB connections & mount

Type 66.82

- Faston 250 connections and Flange mount

- Reinforced insulation between coil and contacts according to EN 60335-1; 8 mm creepage and clearance distances
- AC coils & DC coils
- Cadmium Free option available
- ATEX compliant (EX nC) option available

66.22



- 30 A rated contacts
- PCB mount - bifurcated terminals

66.82

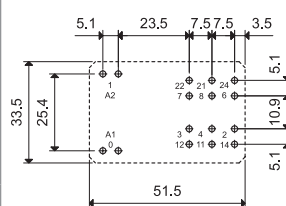
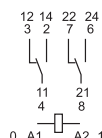


- 30 A rated contacts
- Flange mount
- Faston 250 connections

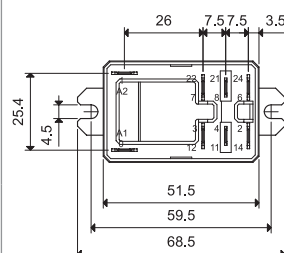
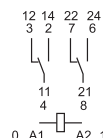
For outline drawing see page 9

For UL RATINGS SEE:

"General technical information" page V



Copper side view



Contact specification

Contact configuration

2 CO (DPDT)

2 CO (DPDT)

Rated current/Maximum peak current

A

30/50 (NO) - 10/20 (NC)

30/50 (NO) - 10/20 (NC)

Rated voltage/
Maximum switching voltage

V AC

250/440

250/440

Rated load AC1

VA

7500 (NO) - 2500 (NC)

7500 (NO) - 2500 (NC)

Rated load AC15 (230 V AC)

VA

1200 (NO)

1200 (NO)

Single phase motor rating (230 V AC)

kW

1.5 (NO)

1.5 (NO)

Breaking capacity DC1: 30/110/220 V

A

25/0.7/0.3 (NO)

25/0.7/0.3 (NO)

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 - 110/115 - 120/125 - 230 - 240

V DC

6 - 9 - 12 - 24 - 110 - 125

Rated power AC/DC

VA (50 Hz)/W

3.6/1.7

3.6/1.7

Operating range

AC

$(0.8 \dots 1.1) U_N$

$(0.8 \dots 1.1) U_N$

DC

$(0.8 \dots 1.1) U_N$

$(0.8 \dots 1.1) U_N$

Holding voltage

AC/DC

$0.8 U_N / 0.5 U_N$

$0.8 U_N / 0.5 U_N$

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

$10 \cdot 10^6$

$10 \cdot 10^6$

Electrical life at rated load AC1

cycles

$100 \cdot 10^3$

$100 \cdot 10^3$

Operate/release time

ms

8/15

8/15

Insulation between coil
and contacts (1.2/50 μ s)

kV

6 (8 mm)

6 (8 mm)

Dielectric strength
between open contacts

V AC

1500

1500

Ambient temperature range

°C

-40...+70

-40...+70

Environmental protection

RT II

RT II

Approvals (according to type)



2 Pole NO (DPST-NO)**30 A Power relay****Type 66.22-x30x**

- PCB mount

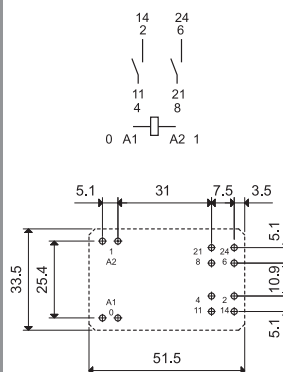
Type 66.82-x30x

- Faston 250 connections and Flange mount

- Reinforced insulation between coil and contacts according to EN 60335-1; 8 mm creepage and clearance distances
- AC coils & DC coils
- Cadmium Free option available
- ATEX compliant (EX nC) option available

66.22-x30x

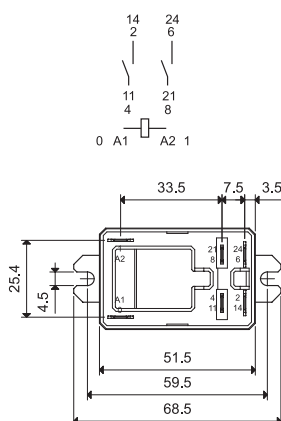
- 30 A rated contacts
- PCB mount - bifurcated terminals



Copper side view

66.82-x30x

- 30 A rated contacts
- Flange mount
- Faston 250 connections



For outline drawing see page 9

FOR UL RATINGS SEE:

"General technical information" page V

Contact specification

Contact configuration		2 NO (DPST-NO)	2 NO (DPST-NO)
Rated current/Maximum peak current	A	30/50	30/50
Rated voltage/Maximum switching voltage	V AC	250/440	250/440
Rated load AC1	VA	7500	7500
Rated load AC15 (230 V AC)	VA	1200	1200
Single phase motor rating (230 V AC)	kW	1.5	1.5
Breaking capacity DC1: 30/110/220 V	A	25/0.7/0.3	25/0.7/0.3
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 - 110/115 - 120/125 - 230 - 240	
	V DC	6 - 9 - 12 - 24 - 110 - 125	
Rated power AC/DC	VA (50 Hz)/W	3.6/1.7	3.6/1.7
Operating range	AC	$(0.8 \dots 1.1) U_N$	$(0.8 \dots 1.1) U_N$
	DC	$(0.8 \dots 1.1) U_N$	$(0.8 \dots 1.1) U_N$
Holding voltage	AC/DC	$0.8 U_N / 0.5 U_N$	$0.8 U_N / 0.5 U_N$
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	$10 \cdot 10^6$	$10 \cdot 10^6$
Electrical life at rated load AC1	cycles	$100 \cdot 10^3$	$100 \cdot 10^3$
Operate/release time	ms	8/10	8/10
Insulation between coil and contacts (1.2/50 μ s)	kV	6 (8 mm)	6 (8 mm)
Dielectric strength between open contacts	V AC	1500	1500
Ambient temperature range	$^{\circ}$ C	-40...+70	-40...+70
Environmental protection		RT II	RT II

Approvals (according to type)