

## Features

- 1 & 2 Pole relay interface modules**
- 5 µm Gold plate contacts for low level switching capability**
- 49.31-50x0 - 1 Pole 10 A (screw terminal)**  
**49.52-50x0 - 2 Pole 8 A (screw terminal)**  
**49.72-50x0 - 2 Pole 8 A (screwless terminal)**
- 15.5 mm wide
  - Ideal interface for PLC and electronic systems
  - AC coils & DC coils
  - Instant ejection of relay using plastic retaining clip
  - Supply status indication and coil suppression module
  - Identification labels
  - 35 mm rail (EN 50022) mounting

49.31-50x0 / 49.52  
Screw terminal



49.72-50x0  
Screwless terminal



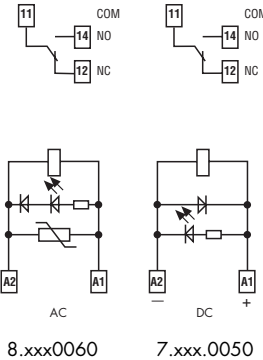
For outline drawing see page 8

Contact specification		49.31-50x0	49.52/72-50x0
Contact configuration		1 CO (SPDT)	2 CO (DPDT)
Rated current/Maximum peak current	A	10/20	8/15
Rated voltage/Maximum switching voltage V AC		250/400	250/250
Rated load AC1	VA	2,500	2,000
Rated load AC15 (230 V AC)	VA	500	400
Single phase motor rating (230 V AC)	kW	0.37	0.3
Breaking capacity DC1: 30/110/220V	A	10/0.3/0.12	8/0.3/0.12
Minimum switching load	mW (V/mA)	50 (5/2)	50 (5/2) - [1 (0.1/1)]*
Standard contact material		AgNi + Au (5 µm)	AgNi + Au (5 µm)
Coil specification			
Nominal voltage (U <sub>N</sub> )	V AC (50/60 Hz)	12 - 24 - 110 - 120 - 230	12 - 24 - 110 - 120 - 230
	V DC	12 - 24 - 125	12 - 24 - 125
Rated power AC/DC/sens.DC	VA (50 Hz)/W/W	1.2/0.65/0.5	1.2/0.65/0.5
Operating range	AC	(0.8...1.1)U <sub>N</sub>	(0.8...1.1)U <sub>N</sub>
	DC/sensitiv DC	(0.73...1.5)U <sub>N</sub> /(0.73...1.7)U <sub>N</sub>	(0.73...1.5)U <sub>N</sub> /(0.73...1.7)U <sub>N</sub>
Holding voltage	AC/DC	0.8 U <sub>N</sub> / 0.4 U <sub>N</sub>	0.8 U <sub>N</sub> / 0.4 U <sub>N</sub>
Must drop-out voltage	AC/DC	0.2 U <sub>N</sub> / 0.1 U <sub>N</sub>	0.2 U <sub>N</sub> / 0.1 U <sub>N</sub>
Technical data			
Mechanical life AC/DC	cycles	10 · 10 <sup>6</sup> / 20 · 10 <sup>6</sup>	10 · 10 <sup>6</sup> / 20 · 10 <sup>6</sup>
Electrical life at rated load AC1	cycles	150 · 10 <sup>3</sup>	150 · 10 <sup>3</sup>
Operate/release time	ms	7/4 (AC) - 12/12 (DC)	7/4 (AC) - 12/12 (DC)
Insulation between coil and contacts (1.2/50 µs)	kV	6 (8 mm)	6 (8 mm)
Dielectric strength between open contacts V AC		1,000	1,000
Ambient temperature range	°C	-40...+70	-40...+70
Protection category		IP 20	IP 20
<b>Approvals relay</b> (according to type)			

### 49.31-50x0



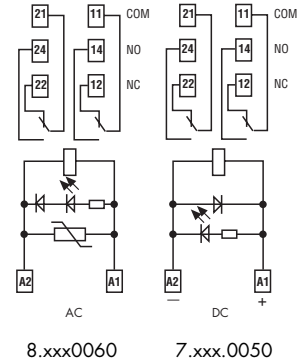
- 1 pole, 10 A
- AgNi + Au (5 µm) contact material
- Screw terminal
- 35 mm rail (EN 50022) mounting



### 49.52/72-50x0



- 2 pole, 8 A
- AgNi + Au (5 µm) contact material
- Screw terminal and screwless terminal
- 35 mm rail (EN 50022) mounting



\*\* By external parallel connection of the contacts the values within [1 (0.1/1)] can be achieved.

## Features

1 & 2 Pole relay interface modules

AgNi contacts for medium duty switching

49.31-00x0 - 1 Pole 10 A (screw terminal)

49.52-00x0 - 2 Pole 8 A (screw terminal)

49.72-00x0 - 2 Pole 8 A (screwless terminal)

- 15.5 mm wide
- Ideal interface for PLC and electronic systems
- AC coils & DC coils
- Instant ejection of relay using plastic retaining clip
- Supply status indication and coil suppression module
- Identification labels
- 35 mm rail (EN 50022) mounting

49.31-00x0 / 49.52  
Screw terminal

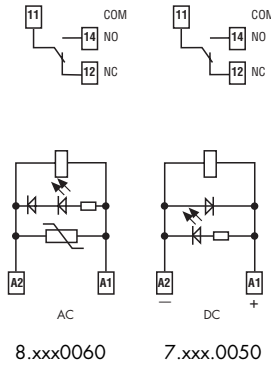
49.72-00x0  
Screwless terminal



### 49.31-00x0



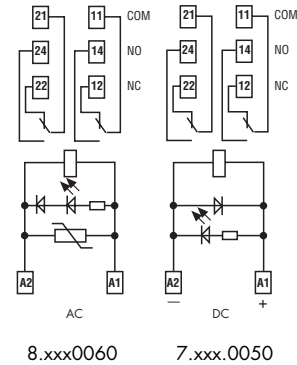
- 1 pole, 10 A
- AgNi contact material
- Screw terminal
- 35 mm rail (EN 50022) mounting



### 49.52/72-00x0



- 2 pole, 8 A
- AgNi contact material
- Screw terminal and screwless terminal
- 35 mm rail (EN 50022) mounting



For outline drawing see page 8

Contact specification			
Contact configuration		1 CO (SPDT)	2 CO (DPDT)
Rated current/Maximum peak current	A	10/20	8/15
Rated voltage/Maximum switching voltage	V AC	250/400	250/250
Rated load AC1	VA	2,500	2,000
Rated load AC15 (230 V AC)	VA	500	400
Single phase motor rating (230 V AC)	kW	0.37	0.3
Breaking capacity DC1: 30/110/220V	A	10/0.3/0.12	8/0.3/0.12
Minimum switching load	mW (V/mA)	300 (5/5)	300 (5/5)
Standard contact material		AgNi	AgNi
Coil specification			
Nominal voltage (U <sub>N</sub> )	V AC (50/60 Hz)	12 - 24 - 110 - 120 - 230	12 - 24 - 110 - 120 - 230
	V DC	12 - 24 - 125	12 - 24 - 125
Rated power AC/DC/sens.DC	VA (50 Hz)/W/W	1.2/0.65/0.5	1.2/0.65/0.5
Operating range	AC	(0.8...1.1)U <sub>N</sub>	(0.8...1.1)U <sub>N</sub>
	DC/sensitiv DC	(0.73...1.5)U <sub>N</sub> / (0.73...1.7)U <sub>N</sub>	(0.73...1.5)U <sub>N</sub> / (0.73...1.7)U <sub>N</sub>
Holding voltage	AC/DC	0.8 U <sub>N</sub> / 0.4 U <sub>N</sub>	0.8 U <sub>N</sub> / 0.4 U <sub>N</sub>
Must drop-out voltage	AC/DC	0.2 U <sub>N</sub> / 0.1 U <sub>N</sub>	0.2 U <sub>N</sub> / 0.1 U <sub>N</sub>
Technical data			
Mechanical life AC/DC	cycles	10 · 10 <sup>6</sup> / 20 · 10 <sup>6</sup>	10 · 10 <sup>6</sup> / 20 · 10 <sup>6</sup>
Electrical life at rated load AC1	cycles	200 · 10 <sup>3</sup>	150 · 10 <sup>3</sup>
Operate/release time	ms	7/4 (AC) - 12/12 (DC)	7/4 (AC) - 12/12 (DC)
Insulation between coil and contacts (1.2/50 μs)	kV	6 (8 mm)	6 (8 mm)
Dielectric strength between open contacts	V AC	1,000	1,000
Ambient temperature range	°C	-40...+70	-40...+70
Protection category		IP 20	IP 20

Approvals relay (according to type)

