



22 Series - Modular contactors 25 A

Features

25 A modular contactor - 2 pole

- 17.5 mm wide
- NO contact gap  $\geq 3$  mm, double break
- Continuous duty for the coil and contacts
- AC/DC silent coil (with varistor protection)
- Protective separation (reinforced insulation) between coil and contacts
- Mechanical and LED indicators as standard
- Auto-On-Off selector version available
- AgNi and AgSnO<sub>2</sub> contact versions available
- Compliant with EN 61095: 2009
- Auxiliary contact module available, quick-assembly with the main contactor (1 NO + 1 NC and 2 NO versions)
- 35 mm rail (EN 60715) mount

22.32...1xx0 / 22.32...4xx0  
Screw terminal



\* Contact gap  $\geq 3$  mm for NO contacts only;  
NC contacts  $\geq 1.5$  mm  
For outline drawings see page 7

**NEW** 22.32.0.xxx.1xx0

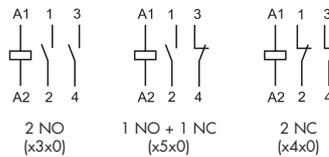


• AgNi contacts, specifically intended for resistive and slightly inductive loads as well as for motor loads

**NEW** 22.32.0.xxx.4xx0



• AgSnO<sub>2</sub> contacts, specifically intended for lamp loads and for high inrush current loads



Contact specification		2 NO, 3 mm * (or 1 NO + 1 NC or 2 NC)	
Rated current/Maximum peak current	A	25 / 80	25 / 120
Rated voltage	V AC	250 / 440	250 / 440
Rated load AC1 / AC-7a (per pole @ 250 V)	VA	6,250	6,250
Rated current AC3 / AC-7b	A	10	10
Rated load AC15 (per pole @ 230 V)	VA	1,800	1,800
Single-phase motor rating (230 V AC)	kW	1	1
Rated current AC-7c	A	—	10
230 V lamps rating: incandescent or halogen	W	—	2,000
compact fluorescent (CFL)	W	—	200
electronic ballast fluorescent tubes	W	—	800
electromagnetic ballast compens. fluorescent tubes	W	—	500
Breaking capacity DC1: 30/110/220 V	A	25/5/1	25/5/1
Minimum switching load	mW (V/mA)	1,000 (10 / 10)	1,000 (10 / 10)
Contact material		AgNi	AgSnO <sub>2</sub>
Coil specification			
Nominal voltage (U <sub>N</sub> )	V DC/AC (50/60 Hz)	12 - 24 - 48 - 60 - 120 - 230	12 - 24 - 48 - 60 - 120 - 230
Rated power	AC/DC VA (50 Hz)/W	2 / 2.2	2 / 2.2
Operating range	DC/AC (50/60 Hz)	(0.8 ... 1.1) U <sub>N</sub>	(0.8 ... 1.1) U <sub>N</sub>
Holding voltage	DC/AC (50/60 Hz)	0.4 U <sub>N</sub>	0.4 U <sub>N</sub>
Must drop-out voltage	DC/AC (50/60 Hz)	0.1 U <sub>N</sub>	0.1 U <sub>N</sub>
Technical data			
Mechanical life AC/DC	cycles	2 · 10 <sup>6</sup>	2 · 10 <sup>6</sup>
Electrical life at rated load AC-7a	cycles	70 · 10 <sup>3</sup>	30 · 10 <sup>3</sup>
Operate/release time	ms	30 / 20	30 / 20
Insulation between coil and contacts (1.2/50 μs)	kV	6	6
Ambient temperature range	°C	-20...+50	-20...+50
Protection category		IP20	IP20
Approvals (according to type)		CE	Ⓜ

## Features

### 25 A modular contactor - 4 pole

- 35 mm wide
- NO contact gap  $\geq 3$  mm, double break
- Continuous duty for the coil and contacts
- AC/DC silent coil (with varistor protection)
- Protective separation (reinforced insulation) between coil and contacts
- Mechanical and LED indicators as standard
- Auto-On-Off selector version available
- AgNi and AgSnO<sub>2</sub> contact versions available
- Compliant with EN 61095: 2009
- Auxiliary contact module available, quick-assembly with the main contactor (1 NO + 1 NC and 2 NO versions)
- 35 mm rail (EN 60715) mount

22.34...1xx0 / 22.34...4xx0  
Screw terminal



\* Contact gap  $\geq 3$  mm for NO contacts only;  
NC contacts  $\geq 1.5$  mm  
For outline drawings see page 7

### Contact specification

Contact configuration	4 NO, 3 mm * (or 3NO + 1NC or 2NO + 2NC)		
Rated current/Maximum peak current	A	25 / 80	25 / 120
Rated voltage	V AC	250 / 440	250 / 440
Rated load AC1 / AC-7a (per pole @ 250 V)	VA	6,250	6,250
Rated current AC3 / AC-7b	A	10	10
Rated load AC15 (per pole @ 230 V)	VA	1,800	1,800
Three-phase motor rating (400 - 440 V AC)	kW	4	4
Rated current AC-7c	A	—	10
230 V lamps rating: incandescent or halogen	W	—	2,000
compact fluorescent (CFL)	W	—	200
electronic ballast fluorescent tubes	W	—	800
electromagnetic ballast compens. fluorescent tubes	W	—	500
Breaking capacity DC1: 30/110/220 V	A	25/5/1	25/5/1
Minimum switching load	mW (V/mA)	1,000 (10 / 10)	1,000 (10 / 10)
Contact material		AgNi	AgSnO <sub>2</sub>

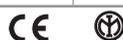
### Coil specification

Nominal voltage (U <sub>N</sub> )	V DC/AC (50/60 Hz)	12 - 24 - 48 - 60 - 120 - 230	12 - 24 - 48 - 60 - 120 - 230
Rated power	AC/DC VA (50 Hz)/W	2 / 2.2	2 / 2.2
Operating range	DC/AC (50/60 Hz)	(0.8 ... 1.1) U <sub>N</sub>	(0.8 ... 1.1) U <sub>N</sub>
Holding voltage	DC/AC (50/60 Hz)	0.4 U <sub>N</sub>	0.4 U <sub>N</sub>
Must drop-out voltage	DC/AC (50/60 Hz)	0.1 U <sub>N</sub>	0.1 U <sub>N</sub>

### Technical data

Mechanical life AC/DC	cycles	2 · 10 <sup>6</sup>	2 · 10 <sup>6</sup>
Electrical life at rated load AC-7a	cycles	150 · 10 <sup>3</sup>	30 · 10 <sup>3</sup>
Operate/release time	ms	18 / 40	18 / 40
Insulation between coil and contacts (1.2/50 μs)	kV	6	6
Ambient temperature range	°C	-20...+50	-20...+50
Protection category		IP20	IP20

Approvals (according to type)



**NEW** 22.34.0.xxx.1xx0

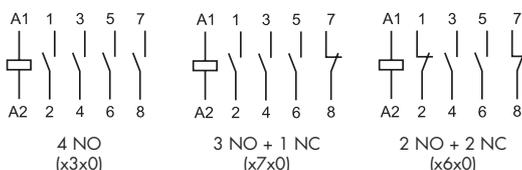


- AgNi contacts, specifically intended for resistive and slightly inductive loads as well as for motor loads

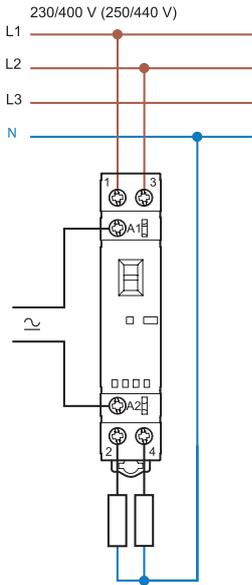
**NEW** 22.34.0.xxx.4xx0



- AgSnO<sub>2</sub> contacts, specifically intended for lamp loads and for high inrush current loads



## Wiring diagrams



Type 22.32

### Auto-On-Off selector + mechanical indicator + LED (xx40 option)



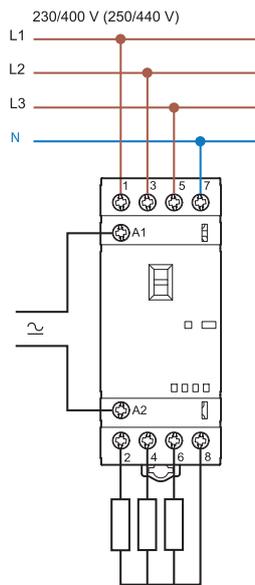
**1 Selector**

The three-position manual selector has the following functions:

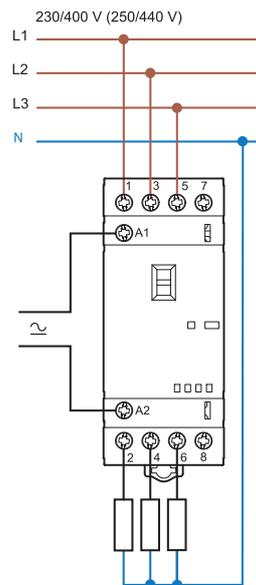
- **ON position** - the contacts are latched in the operated state (NO contacts - closed and NC contacts - open), the mechanical indicator is visible in its window, the LED is not illuminated.
- **AUTO position** - the state of contacts, mechanical indicator and LED follow the coil supply voltage.
- **OFF position** - even if terminals A1 - A2 are supplied with rated voltage, the coil is not energized, and so the contacts remain in the non-operated state, the mechanical indicator is not visible and the LED is not illuminated.

**2 LED**

**3 Mechanical indicator**



Type 22.34



Type 22.34

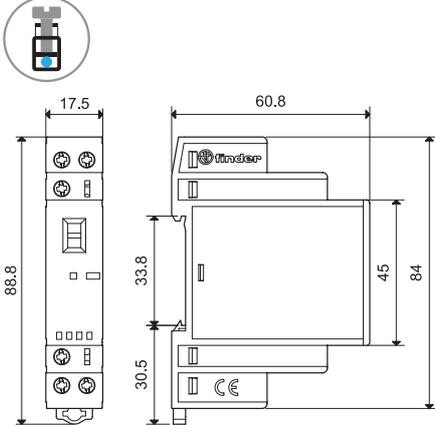
## Contact specification

### Ratings and utilization categories according to EN 61095 : 2009

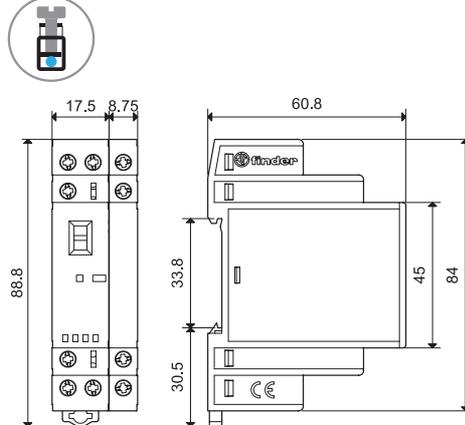
Utilization category	Typical applications	Load characteristics	Rated current (A)	Rated operational voltage (V)		Rated electrical life (cycles)			
						2-pole AgNi contacts (22.32...1xx0)		4-pole AgNi contacts (22.34...1xx0)	
						2-pole AgSnO <sub>2</sub> contacts (22.32...4xx0)	4-pole AgSnO <sub>2</sub> contacts (22.34...4xx0)		
				across the pole	between phases				
AC-7a	Slightly inductive loads	cos φ = 0.8	25	250	440	70 · 10 <sup>3</sup> (NO) 30 · 10 <sup>3</sup> (NC)	30 · 10 <sup>3</sup>	150 · 10 <sup>3</sup> (NO) 100 · 10 <sup>3</sup> (NC)	30 · 10 <sup>3</sup>
AC-7b	Motor loads	cos φ = 0.45 I <sub>making</sub> = 6 I <sub>breaking</sub>	10	250	440	30 · 10 <sup>3</sup>	30 · 10 <sup>3</sup>	30 · 10 <sup>3</sup>	30 · 10 <sup>3</sup>
C-7c	Compensated electric discharge lamps	cos φ = 0.9 C = 10 μF/A	10	230	400	—	30 · 10 <sup>3</sup>	—	30 · 10 <sup>3</sup>

## Outline drawings

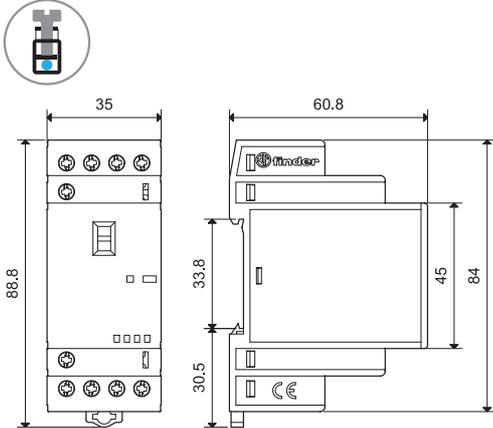
Type 22.32  
Screw terminal



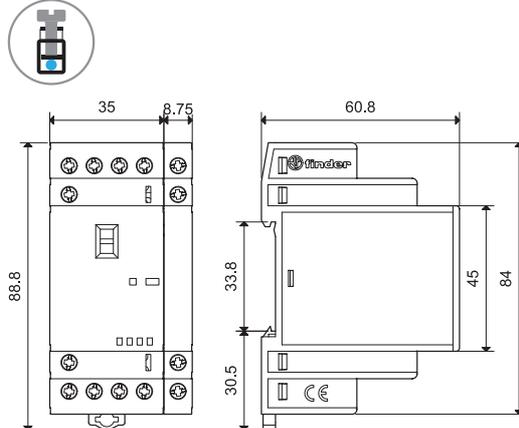
Type 22.32 + 022.33 / 022.35  
Screw terminal



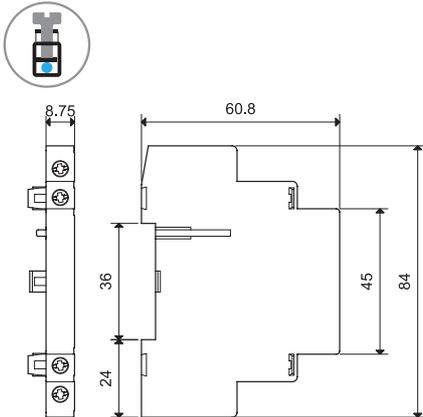
Type 22.34  
Screw terminal



Type 22.34 + 022.33 / 022.35  
Screw terminal



Type 022.33 / 022.35  
Screw terminal



### DIN Rail Mount Modular Contactors 2 and 4 pole, 25A contacts

A range of contactors 17.7mm wide (2-pole) and 35mm wide (4-pole), with mechanical and LED indication as standard, continuously-rated coils and contacts, and optional auxiliary contacts

- 22.32-024-1320
- 22.32-024-1420
- 22.32-024-1520
- 22.32-024-4320
- 22.32-024-4340
- 22.32-024-4420
- 22.32-024-4520
- 22.32-230-1320
- 22.32-230-1420
- 22.32-230-1520
- 22.32-230-4320
- 22.32-230-4340
- 22.32-230-4420
- 22.32-230-4520
- 22.34-024-1320
- 22.34-024-1620
- 22.34-024-4320
- 22.34-024-4340
- 22.34-024-4620
- 22.34-230-1320
- 22.34-230-1620
- 22.34-230-4320
- 22.34-230-4340
- 22.34-230-4620



Contactor 2 x N/O 25A inductive contacts, 24VAC/DC coil	\$57.00
Contactor 2 x N/C 25A inductive contacts, 24VAC/DC coil	\$57.00
Contactor 1 x N/O, 1 x N/C 25A inductive contacts, 24VAC/DC coil	\$57.00
Contactor 2 x N/O 25A resistive contacts, 24VAC/DC coil	\$57.00
Contactor 2 x N/O 25A resistive contacts, Auto/On/Off, 24VAC/DC coil	\$57.00
Contactor 2 x N/C 25A resistive contacts, 24VAC/DC coil	\$57.00
Contactor 1 x N/O, 1 x N/C 25A resistive contacts, 24VAC/DC coil	\$57.00
Contactor 2 x N/O 25A inductive contacts, 230VAC coil	\$57.00
Contactor 2 x N/C 25A inductive contacts, 230VAC coil	\$57.00
Contactor 1 x N/O, 1 x N/C 25A inductive contacts, 230VAC coil	\$57.00
Contactor 2 x N/O 25A resistive contacts, 230VAC coil	\$57.00
Contactor 2 x N/O 25A resistive contacts, Auto/On/Off, 230VAC coil	\$65.00
Contactor 2 x N/C 25A resistive contacts, 230VAC coil	\$57.00
Contactor 1 x N/O, 1 x N/C 25A resistive contacts, 230VAC coil	\$57.00
Contactor 4 x N/O 25A inductive contacts, 24VAC/DC coil	\$82.00
Contactor 2 x N/O, 2 x N/C 25A inductive contacts, 24VAC/DC coil	\$82.00
Contactor 4 x N/O 25A resistive contacts, 24VAC/DC coil	\$82.00
Contactor 4 x N/O 25A resistive contacts, Auto/On/Off, 24VAC/DC coil	\$82.00
Contactor 2 x N/O, 2 x N/C 25A resistive contacts, 24VAC/DC coil	\$82.00
Contactor 4 x N/O 25A inductive contacts, 230VAC coil	\$82.00
Contactor 2 x N/O, 2 x N/C 25A inductive contacts, 230VAC coil	\$82.00
Contactor 4 x N/O 25A resistive contacts, 230VAC coil	\$82.00
Contactor 4 x N/O 25A resistive contacts, Auto/On/Off, 230VAC coil	\$82.00
Contactor 2 x N/O, 2 x N/C 25A resistive contacts, 230VAC coil	\$82.00

**NEW**