

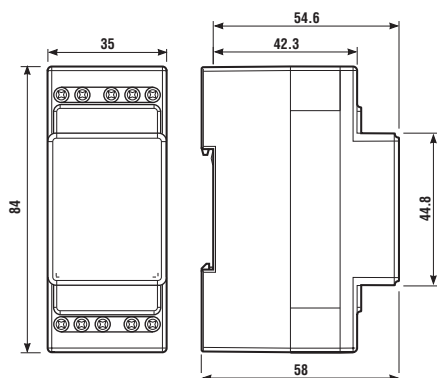
Features

Level control relays for conductive liquids

72.01 - Adjustable sensitivity

72.11 - Fixed sensitivity

- Emptying or filling functions
- LED indicator
- Reinforced insulation (6 kV - 1.2/50 μ s) between:
 - supply and contacts
 - electrodes and supply
 - contacts and electrodes
- 35 mm rail (EN 50022) mount
- Control about a single level or between Min./Max. limits
- 72.01 available also for supply 400 V

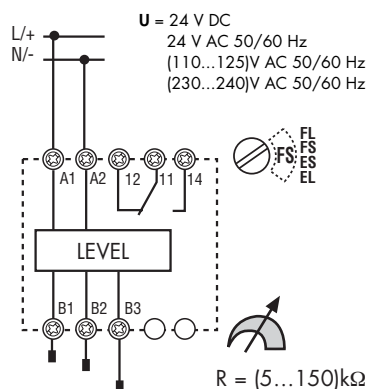


FOR UL HORSEPOWER AND PILOT DUTY RATINGS
SEE "General technical information" page V

72.01



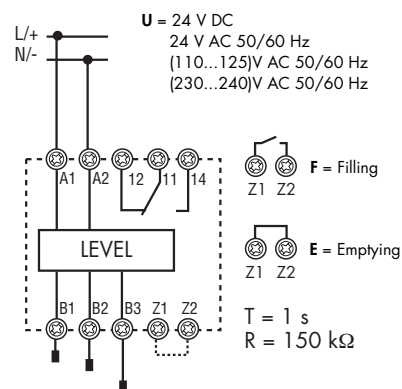
- Sensitivity range (5...150) k Ω adjustable
- Delay time (0.5s or 7s) switch selectable
- Emptying or filling functions switch selectable



72.11



- Sensitivity fixed 150 k Ω
- Delay time fixed: 1s
- Emptying or filling functions link selectable



Contact specification

Contact configuration	1 CO (SPDT)		1 CO (SPDT)
Rated current/Maximum peak current	A	16/30	16/30
Rated voltage/Maximum switching voltage V AC		250/400	250/400
Rated load AC1	VA	4,000	4,000
Rated load AC15 (230 V AC)	VA	750	750
Single phase motor rating (230 V AC)	kW	0.55	0.55
Breaking capacity DC1: 30/110/220 V	A	16/0.3/0.12	16/0.3/0.12
Minimum switching load	mW (V/mA)	500 (10/5)	500 (10/5)
Standard contact material		AgCdO	AgCdO

Supply specification

Nominal voltage (U _N)	V AC	24 - 110...125 - 230...240	400	24 - 110...125 - 230...240
	V DC	24	—	24
Rated power AC/DC	VA (50 Hz)/W	2.5/1.5	2.5/1.5	2.5/1.5
Operating range	AC	(0.8...1.1)U _N	(0.9...1.15)U _N	(0.8...1.1)U _N
	DC	(0.8...1.1)U _N	—	(0.8...1.1)U _N

Technical data

Electrical life at rated load AC1	cycles	100 · 10 ³	100 · 10 ³
Electrode voltage	V AC	4	4
Electrode current	mA	0.2	0.2
Run-on time	s	0.5 - 7 (selectable)	1
Max sensitivity range	k Ω	5...150 (adjustable)	150 (fixed)
Insulation between supply/contacts/electrode (1.2/50 μ s)	kV	6	6
Ambient temperature	°C	-20...+60	-20...+60
Protection category		IP20	IP20

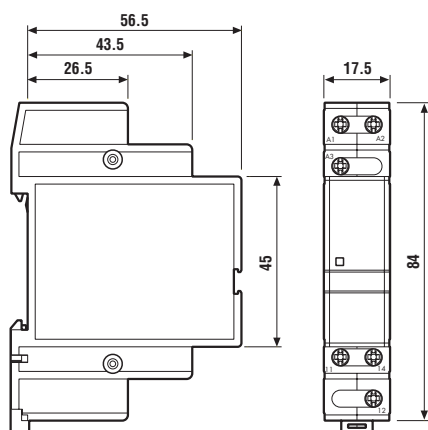
Approvals (according to type)



Features

3 Phase - Rotation and phase loss monitoring relay

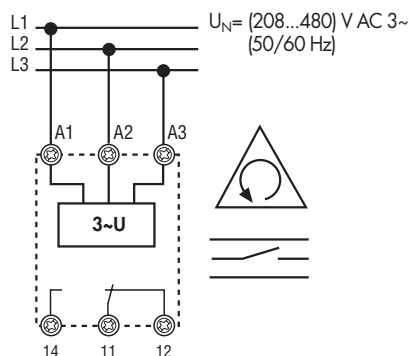
- Universal voltage monitoring (U_N from 208 V to 480 V, 50/60 Hz)
- Phase loss monitoring, under phase regeneration
- Positive safety logic - make contact opens if the relay detects an error
- Small size (17.5 mm wide)
- 35 mm rail (EN 50022) mount
- European patent pending for the fully innovative principle at the root of the 3 phase monitoring and error survey system



72.31



- Phase rotation monitoring
- Phase loss monitoring



Contact specification

Contact configuration	1 CO (SPDT)
Rated current/Maximum peak current A	6/15
Rated voltage/Maximum switching voltage V AC	250/400
Rated load AC1 VA	1,500
Rated load AC15 (230 V AC) VA	250
Single phase motor rating (230 V AC) kW	0.185
Breaking capacity DC1: 30/110/220 V A	3/0.35/0.2
Minimum switching load mW(V/mA)	500 (10/5)
Standard contact material	AgCdO

Supply specification

Nominal system voltage (U_N) V AC 3 ~	208...480
Frequency Hz	50/60
Rated power VA 50 Hz/ W	8/1
Operating range V AC 3 ~	170...500

Technical data

Electrical life at rated load AC1 cycles	$100 \cdot 10^3$
Switch-off/reaction time s	<0.5/<0.5
Ambient temperature °C	-20...+50
Protection category	IP20

Approvals (according to type)

