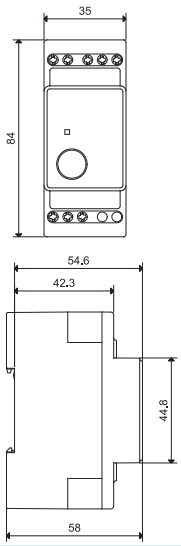
Features

Quiet operating electronic step/ monostable relay
1 Pole output contact

- Complies with **UNI CEI 11170-3** (protection against fire of materials), **EN 61373** (resistance against random vibrations and shock, Category 1, Class B), **EN 50155** (resistance to temperature and humidity, TX class)
- Selectable Step or Monostable operation
- Control input can be continuously applied
- Longer mechanical and electrical life, and much quieter than electromechanical step relays
- Suitable for SELV applications according to IEC 364
- Supply 24 V AC/DC
- 35 mm rail (EN 60715) mount
- Cadmium free contact material

13.01T

- Step or monostable relay
- 35 mm rail (EN 60715) mount



Contact specification		
Contact configuration		1 CO (SPDT)
Rated current/Maximum peak current	A	16/30 (120 A - 5 ms)
Rated voltage/Maximum switching voltage	V AC	250/400
Rated load AC1	VA	4,000
Rated load AC15 (230 V AC)	VA	750
Nominal lamp rating: incandescent (230 V)	W	2,000
compensated fluorescent (230 V)	W	750
uncompensated fluorescent (230 V)	W	1,000
halogen (230 V)	W	2,000
Minimum switching load	mW (V/mA)	1,000 (10/10)
Standard contact material		$AgSnO_2$
Supply specification		
Nominal voltage (U_N)	V AC (50/60 Hz)	24
	V DC	24
Rated power AC/DC	V AC (50 Hz)/W	2.5/2.5
Operating range	AC (50 Hz)	(19.2...26.2) V
	DC	(16.8...33.6) V
Technical data		
Electrical life at rated load in AC1	cycles	$100 \cdot 10^3$
Maximum impulse duration		continuous
Dielectric strength between: open contacts	V AC	1,000
supply - contacts	V AC	4,000
Ambient temperature range	°C	–10...+60
Protection category		IP 20
Approvals (according to type)		CE EAC

Ordering information

Example: 13 series, electronic step/monostable relay, 35 mm rail (EN 60715) mount, 1 CO (SPDT) 16 A contact, 24 V AC/DC supply.

1 3	.	0	1	.	0	.	0 2 4	.	0	0	0	0	T

Series

Type
0 = Step/Monostable, 35 mm rail (EN 60715) mount, 35 mm wide

No. of poles
1 = 1 pole

Supply voltage
024 = 24 V AC/DC

Supply version
0 = AC (50/60 Hz)/DC

Technical data

Insulation			
Dielectric strength			
between control circuit and contacts	V AC	4,000	
between supply and contacts	V AC	4,000	
between open contacts	V AC	1,000	
Other data			
Power lost to the environment			
without contact current	W	2.2	
without rated current	W	3.5	
Max cable lenght for push-button connection	m	100	
Terminals			
Max. wire size		solid cable	stranded cable
	mm^2	1x6 / 2x4	1x6 / 2x2.5
	AWG	1x10 / 2x12	1x10 / 2x14
Screw torque	Nm	0.8	

Functions

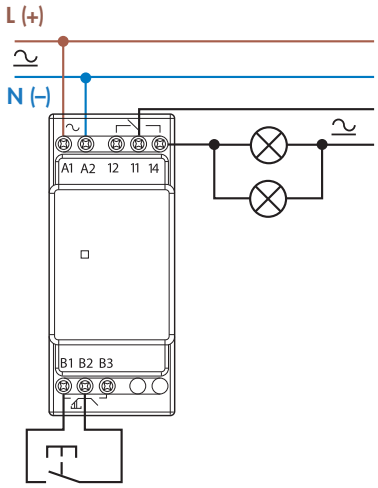
Monostable
On closure of a switch between terminals (B2-B3) the output contact will close, and remain so, until the switch opens.

Bistable
After every impulse (B1-B2), the output contact changes state - alternately switching from open to closed and vice versa.

Wiring diagrams

Type 13.01T
Step wiring diagram

Red LED indication:
Continuous = relay ON



Type 13.01T
Monostable wiring diagram

Red LED indication:
Continuous = relay ON