

Step relays 10 A



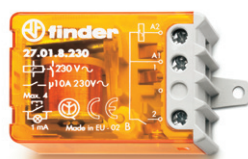
Lighting control
in corridors (for
hotels, offices
and hospitals)



Bedroom
light control



Living room
light control



27
SERIES

1 or 2 Pole electromechanical step relay, for electrically common coil and contact circuits

27.0x - Connect up to 24 illuminated push buttons with the addition of module 027.00

27.2x - Connect up to 15 illuminated push buttons (without additional module) - incorporates coil power limiter to permit continuous coil energisation

- Choice of 3 switching sequences
- Screw terminal connections
- AC coil
- Panel mount
- Cadmium free contact material
- Italian Patent

27.0x / 2x
Screw terminal



For outline drawing see page 5

Contact specification

Number of contacts		1 or 2	1 or 2
Rated current/Maximum peak current	A	10/20	10/20
Rated voltage/ Maximum switching voltage	V AC	110/—	230/—
Rated load AC1	VA	1100	2300
Rated load AC15	VA	250	500
Nominal lamp rating:			
230 V incandescent/halogen W		—	1000
fluorescent tubes with electronic ballast W		200	400
fluorescent tubes with electromechanical ballast W		180	360
CFL W		100	200
230 V LED W		—	200
LV halogen or LED with electronic ballast W		100	200
LV halogen or LED with electromechanical ballast W		200	400
Minimum switching current	mW (V/mA)	10	10
Standard contact material		AgNi	AgNi

Coil specification

Nominal voltage (U_N)	V AC (50/60 Hz)	110	230
	V DC	—	—
Pickup/continuous power	VA (50 Hz)	4/4	25/1
Operating range	AC 50 Hz/AC 60 Hz	$(0.8 \dots 1.1)U_N / (0.85 \dots 1.1)U_N$	$(0.8 \dots 1.1)U_N / (0.85 \dots 1.1)U_N$
	DC	—	—

Technical data

Mechanical life AC/DC	cycles	$300 \cdot 10^3$	$300 \cdot 10^3$
Electrical life at rated load in AC1	cycles	$100 \cdot 10^3$	$100 \cdot 10^3$
Max no. of illuminated push-button	(≤ 1 mA)	4 (24 with module 027.00)	15
Minimum/Maximum impulse duration		0.1 s/1 h (according to EN 60669)	0.1 s/continuous
Ambient temperature range	°C	-40...+40	-40...+40
Protection category		IP 20	IP 20

Approvals (according to type)



27.0x

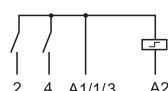


- Single or 2 double phase switch 1 NO (SPST-NO) or 2 NO (DPST-NO)

27.01



27.05 - 27.06

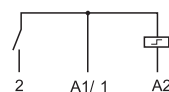


27.2x EVO

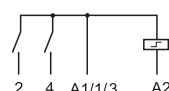


- Single or 2 double phase switch 1 NO (SPST-NO) or 2 NO (DPST-NO) with coil power limiter

27.21



27.25 - 27.26



Ordering information

Example: 27 series screw terminal, panel mount step relay, single phase switch 1 NO (SPST-NO) 10 A contact, coil rated 230 V AC.

2 7 . 0 . 1 . 8 . 2 3 0 . 0 . 0 . 0 . 0

Series

Type

0 = Clamp terminal

2 = Clamp terminal, with coil power limiter

No. of poles

1 = Single phase switch 1 NO (SPST-NO)

5 = 4 sequences double phase switch 2 NO (DPST-NO)

6 = 3 sequences double phase switch 2 NO (DPST-NO)

Coil voltage

See coil specifications

Coil version

8 = AC (50/60 Hz)

Technical data

Other data		27.01, 27.21		27.05, 27.06, 27.25, 27.26	
Power lost to the environment with rated current and coil de-energised	W	0.9		1.8	
 Screw torque	Nm	0.8		0.8	
Max. wire size		solid cable	stranded cable	solid cable	stranded cable
	mm ²	2 x 2.5	1 x 4 / 2 x 2.5	2 x 2.5	1 x 4 / 2 x 2.5
	AWG	2 x 14	1 x 12 / 2 x 14	2 x 14	1 x 12 / 2 x 14

Coil specifications

Types 27.01, 27.05, 27.06

Nominal voltage U_N	Coil code	Operating range (50 Hz)		Resistance R	Consumption I at U_N (50 Hz)
		U_{min}	U_{max}		
V		V	V	Ω	mA
110	8.110	88	121	1400	42.0
230	8.230	184	253	6500	17.5

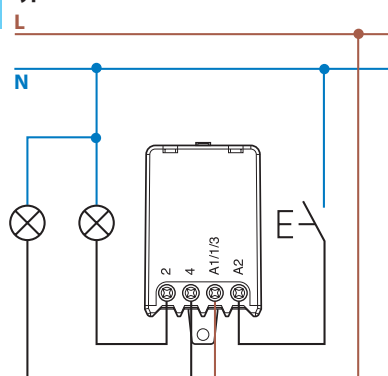
Types 27.21, 27.25, 27.26

Nominal voltage U_N	Coil code	Operating range (50 Hz)		Resistance R	Consumption	
		U_{min}	U_{max}		pick up I at U_N (50 Hz)	continuous I at U_N (50 Hz)
V		V	V	Ω	mA	mA
230	8.230	184	253	1250	100	4

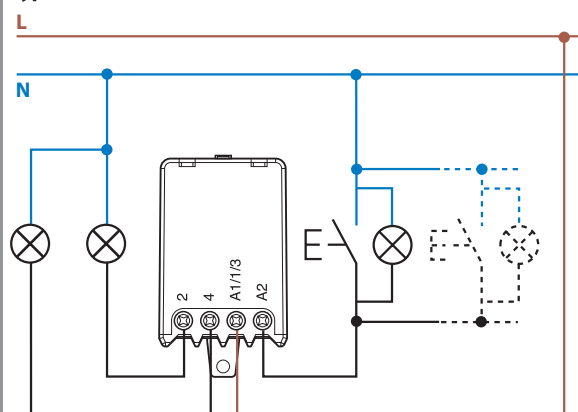
Type	Number of steps	Sequence			
		1	2	3	4
27.01/21	2				
27.05/25	4				
27.06/26	3				

Wiring diagram

Type 27.01/05/06

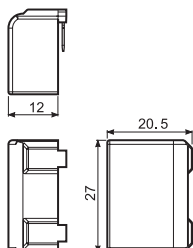


Type 27.21/25/26



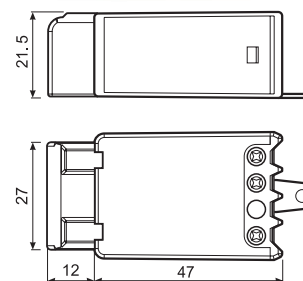
Accessories for types 27.01, 27.05, 27.06

Module for illuminated push-button (230 V AC applications)



Type 027.00

This module is necessary if using up to a maximum of 24 illuminated push-buttons (1 mA max, 230 V AC) in the switching input circuit. It must be plugged directly into the relay.



Type 27.0x + 027.00

Outline drawings

27.0x / 2x
Screw terminal

