finder®

SWITCH TO THE FUTURE

Step relays 10 A

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

Bedroom light control

Living room light control

27
SERIES

	27.0x	**27.2x** EVO
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

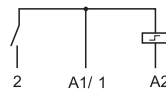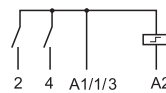|	27.0x	27.2x
	• Single or 2 double phase switch 1 NO (SPST-NO) or 2 NO (DPST-NO)	• Single or 2 double phase switch 1 NO (SPST-NO) or 2 NO (DPST-NO) with coil power limiter

27.0x / 2x
Screw terminal

27.01   2   A1/ 1   A2
27.05 - 27.06   2   4   A1/1/3   A2

27.21   2   A1/ 1   A2
27.25 - 27.26   2   4   A1/1/3   A2

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/—	230/—
Rated load AC1 VA	1100	2300	2300
Rated load AC15 VA	250	500	500
Nominal lamp rating:			
230 V incandescent/halogen W	—	1000	1000
fluorescent tubes with electronic ballast W	200	400	400
fluorescent tubes with electromechanical ballast W	180	360	360
CFL W	100	200	200
230 V LED W	—	200	200
LV halogen or LED with electronic ballast W	100	200	200
LV halogen or LED with electromechanical ballast W	200	400	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	230
V DC	—		—
Pickup/continuous power VA (50 Hz)	4/4		25/1
Operating range AC 50 Hz/AC 60 Hz	$(0.8…1.1)U_N / (0.85…1.1)U_N$		$(0.8…1.1)U_N / (0.85…1.1)U_N$
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)	CE EHC		

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
	mm²	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) U_{min}	U_{max}	Resistance R	Consumption I at U_N (50 Hz)
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) U_{min}	U_{max}	Resistance R	Consumption 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
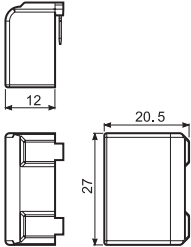
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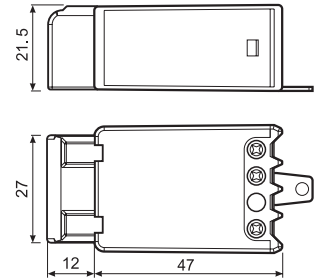**Type 27.01/05/06**
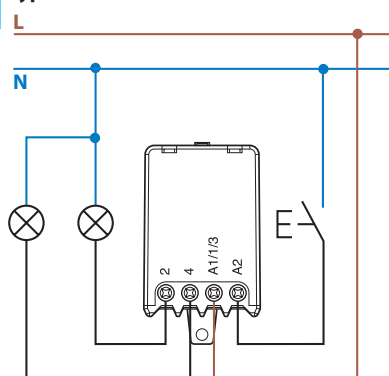
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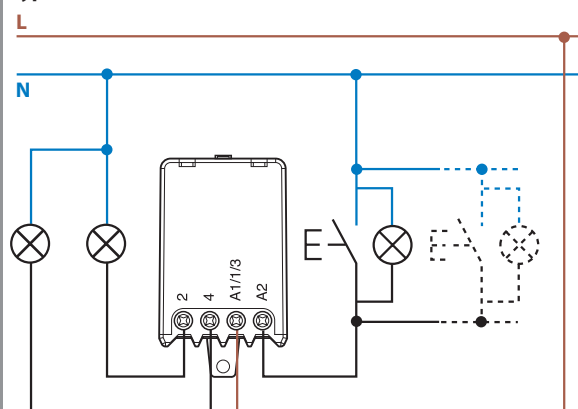
Accessories for types 27.01, 27.05, 27.06

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.

12

20.5

27

21.5

27

12

47

Type 27.0x + 027.00

Outline drawings

27.0x / 2x
Screw terminal

32

0.5

47

7.6

2.6

Ø 3.2

21.5