

Step relays



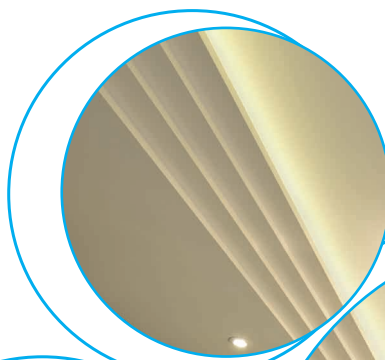
Lighting control
in corridors (for
hotels, offices
and hospitals)



Bedroom
light control



Living room
light control



26
SERIES

1 or 2 Pole electromechanical step relay with electrically separate coil and contact circuits

- 7 versions, with different switching sequences
- Box clamp connections
- AC coil
- Can be mounted behind blanking plates
- Cadmium free contact material

26.0x
Box clamp


*The lamp rating may vary, depending on the number and type of lamps, consequently it is suggested to consider the inrush current and $I^2 t$

For outline drawing see page 5

Contact specification

Contact configuration	1 NO (SPST-NO)	2 NO (DPST-NO)	1 NO + 1 NC (SPST-NO + SPST-NC)
Rated current	A	10	10
Inrush current/specific energy ($I^2 t$)	A/A ² s	200/16	200/16
Rated voltage	V AC	250	250
Rated load AC1	VA	2500	2500
Rated load AC15	VA	500	500
Nominal lamp rating: *			
Incandescent/halogen W	1800	1800	1800
LED lamps W	300	300	300
LED surface luminaires W	600	600	600
LED strips W	2000	2000	2000
LV halogen or LED with electronic drivers W	1000	1000	1000
Minimum switching load	mW	500	500
Standard contact material	AgSnO ₂	AgSnO ₂	AgSnO ₂

Coil specification

Nominal voltage (U_N)	V AC (50/60 Hz)	12 - 24 - 48 - 110 - 230	12 - 24 - 48 - 110 - 230	12 - 24 - 48 - 110 - 230
	V DC	—	—	—
Rated power AC	VA (50 Hz)	4.8	4.8	4.8
Operating range	AC (50 Hz)/AC (60 Hz)	$(0.8 \dots 1.1) U_N / (0.85 \dots 1.1) U_N$	$(0.8 \dots 1.1) U_N / (0.85 \dots 1.1) U_N$	$(0.8 \dots 1.1) U_N / (0.85 \dots 1.1) U_N$
	DC	—	—	—

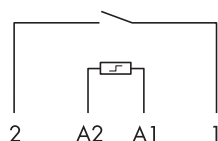
Technical data

Mechanical life AC/DC	cycles	$300 \cdot 10^3$	$300 \cdot 10^3$	$300 \cdot 10^3$
Electrical life at rated load in AC1	cycles	$100 \cdot 10^3$	$100 \cdot 10^3$	$100 \cdot 10^3$
Minimum/Maximum impulse duration		0.1 s/1 h (according to EN 60669)	0.1 s/1 h (according to EN 60669)	0.1 s/1 h (according to EN 60669)
Max no. of illuminated push-button (≤ 1 mA)		5	5	5
Insulation between coil and contacts (1.2/50 μ s)	kV	—	—	—
Ambient temperature range	°C	-40...+40	-40...+40	-40...+40
Protection category		IP 20	IP 20	IP 20

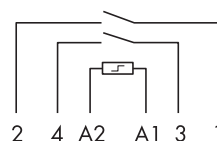
Approvals (according to type)

NEW 26.01

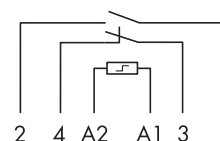

- Single phase switch 1 NO (SPST-NO)


NEW 26.02/04/05/06/08


- Double phase switch 2 NO (DPST-NO)


NEW 26.03


- 1 NO + 1 NC (SPST-NO + SPST-NC)



Ordering information

Example: 26 series box clamp, double phase switch 2 NO (DPST-NO) 10 A contacts, coil rated 12 V AC.

2 6 . 0 2 . 8 . 0 1 2 . 4 . 0 . 0 . 0

Series

Type

0 = Box clamp

No. of poles

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

2 = Double phase switch 2 NO (DPST-NO)

3 = Double phase switch 1 NO + 1 NC (SPST-NO + SPST-NC)

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

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

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

8 = 4 sequences double phase switch 2 NO (DPST-NO)

Contact material

4 = AgSnO₂

Coil voltage

See coil specifications

Coil version

8 = AC (50 Hz)

Technical data

Insulation

Dielectric strength

between supply and contacts V AC 3000 (1 contact), 2000 (2 contacts)

between open contacts V AC 1000

between adjacent contacts V AC 2000

Other data

26.01/03/08

26.02/04/05/06

Power lost to the environment

with rated current and coil de-energised W 0.9 1.8

Screw torque Nm 0.5 0.5

Max. wire size

solid cable stranded cable solid cable stranded cable

mm² 1 x 2.5 / 2 x 1.5 1 x 2.5 / 2 x 1.5 1 x 2.5 / 2 x 1.5 1 x 2.5 / 2 x 1.5

AWG 1 x 14 / 2 x 16 1 x 14 / 2 x 16 1 x 14 / 2 x 16 1 x 14 / 2 x 16

Coil specifications

AC version data 50 Hz

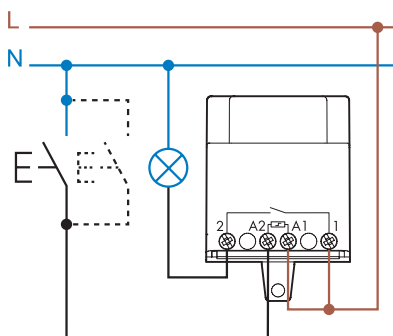
Nominal voltage U _N	Coil code	Operating range		Resistance	Consumption I at U _N (50 Hz)
V		U _{min} V	U _{max} V	R Ω	mA
12	8.012	9.6	13.2	15	420
24	8.024	19.2	26.4	60	210
48	8.048	38.4	52.8	240	110
110	8.110	88	121	1400	42
230	8.230	184	253	6250	20

Type	Sequence/steps			
	1	2	3	4
26.01				
26.02				
26.03				
26.04				
26.05				
26.06				
26.08				

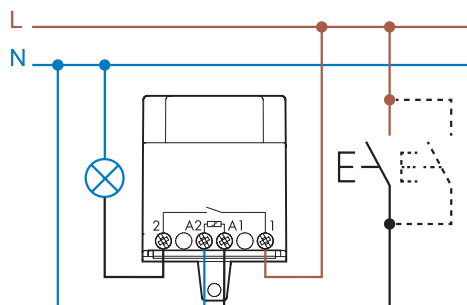
Wiring diagrams

Type 26.01

Version with 1 NO output
3 wire connection

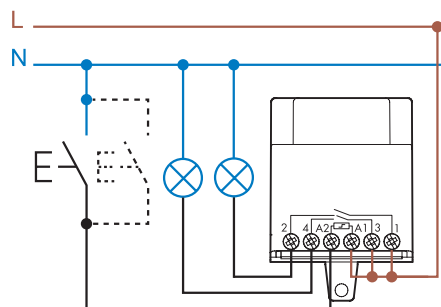


4 wire connection

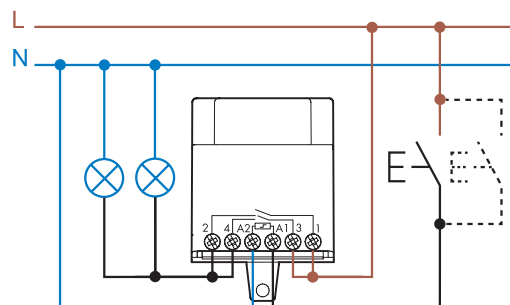


Type 26.0x

Version with 2 NO outputs
3 wire connection

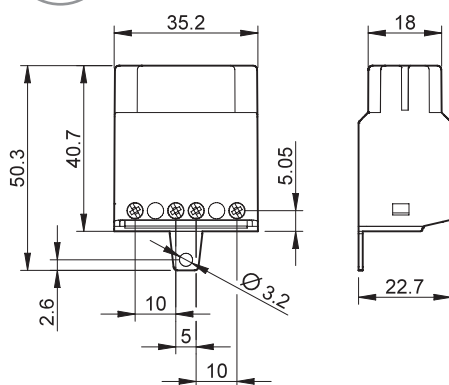


4 wire connection



Outline drawing

Version with 1 NO output
Box clamp



Version with 2 NO outputs
Box clamp

