

# Step relays 10 A



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

- Choice of 6 switching sequences
- Screw terminal connections
- AC coil
- Panel mount
- Cadmium free contact material

26.01/02/04/06/08/03

Screw terminal



For outline drawing see page 6

### Contact specification

| Number of contacts                                  |           | 1 NO (SPST-NO) | 2 NO (DPST-NO) | 1NO+1NC (SPST-NO+SPST-NC) |
|-----------------------------------------------------|-----------|----------------|----------------|---------------------------|
| Rated current/Maximum peak current                  | A         | 10/20          | 10/20          | 10/20                     |
| Rated voltage/<br>Maximum switching voltage         | V AC      | 250/400        | 250/400        | 250/400                   |
| Rated load AC1                                      | VA        | 2500           | 2500           | 2500                      |
| Rated load AC15 (230 V AC)                          | VA        | 500            | 500            | 500                       |
| Nominal lamp rating:                                |           |                |                |                           |
| 230 V incandescent/halogen W                        |           | 800            | 800            | 800                       |
| fluorescent tubes with<br>electronic ballast W      |           | 400            | 400            | 400                       |
| fluorescent tubes with<br>electromagnetic ballast W |           | 360            | 360            | 360                       |
| CFL W                                               |           | 200            | 200            | 200                       |
| 230 V LED W                                         |           | 200            | 200            | 200                       |
| LV halogen or LED with<br>electronic ballast W      |           | 200            | 200            | 200                       |
| LV halogen or LED with<br>electromagnetic ballast W |           | 400            | 400            | 400                       |
| Minimum switching load                              | mW (V/mA) | 1000 (10/10)   | 1000 (10/10)   | 1000 (10/10)              |
| Standard contact material                           |           | AgNi           | AgNi           | AgNi                      |

### Coil specification

|                      |              |                           |                           |                           |
|----------------------|--------------|---------------------------|---------------------------|---------------------------|
| Nominal voltage (UN) | V AC (50 Hz) | 12 - 24 - 48 - 110 - 230  | 12 - 24 - 48 - 110 - 230  | 12 - 24 - 48 - 110 - 230  |
|                      | V DC         | —                         | —                         | —                         |
| Rated power AC/DC    | VA (50 Hz)/W | 4.5/—                     | 4.5/—                     | 4.5/—                     |
| Operating range      | AC (50 Hz)   | (0.8...1.1)U <sub>N</sub> | (0.8...1.1)U <sub>N</sub> | (0.8...1.1)U <sub>N</sub> |
|                      | DC           | —                         | —                         | —                         |

### Technical data

|                                                     |        |                                   |                                   |                                   |
|-----------------------------------------------------|--------|-----------------------------------|-----------------------------------|-----------------------------------|
| Mechanical life AC/DC                               | cycles | 300 · 10 <sup>3</sup>             | 300 · 10 <sup>3</sup>             | 300 · 10 <sup>3</sup>             |
| Electrical life at rated load in AC1                | cycles | 100 · 10 <sup>3</sup>             | 100 · 10 <sup>3</sup>             | 100 · 10 <sup>3</sup>             |
| 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) |
| Insulation between<br>coil and contacts (1.2/50 μs) | kV     | 4                                 | 4                                 | 4                                 |
| Ambient temperature range                           | °C     | -40...+40                         | -40...+40                         | -40...+40                         |
| Protection category                                 |        | IP 20                             | IP 20                             | IP 20                             |

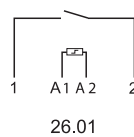
Approvals (according to type)



### 26.01



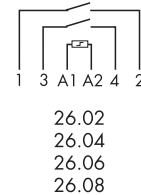
- Single phase switch 1 NO (SPST-NO)
- According to EN 60601-1 2 x MOPP



### 26.02, 04, 06, 08



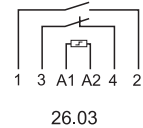
- Double phase switch 2 NO (DPST-NO)
- According to EN 60601-1 2 x MOOP



### 26.03

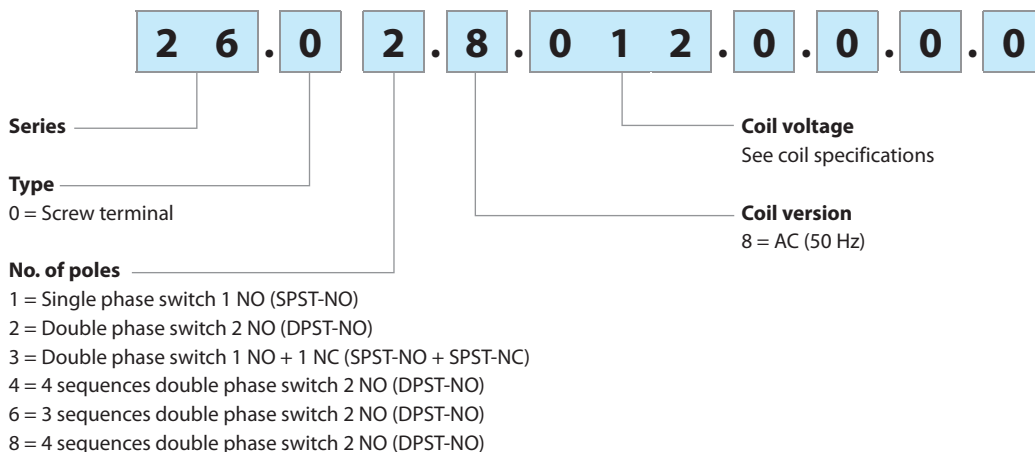


- 1 NO + 1 NC (SPST-NO + SPST-NC)
- According to EN 60601-1 2 x MOOP



## Ordering information

Example: 26 series screw terminal, panel mount relay, double phase switch 2 NO (DPST-NO) 10 A contacts, coil rated 12 V AC.



## Technical data

| Insulation                                 |                 |                     |                     |                 |
|--------------------------------------------|-----------------|---------------------|---------------------|-----------------|
| Dielectric strength                        |                 |                     |                     |                 |
| between supply and contacts                | V AC            | 4000                |                     |                 |
| between open contacts                      | V AC            | 2000                |                     |                 |
| between adjacent contacts                  | V AC            | 2000                |                     |                 |
| Other data                                 |                 | 26.01, 26.03, 26.08 | 26.02, 26.04, 26.06 |                 |
| 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     |
|                                            | mm <sup>2</sup> | 1 x 4 / 2 x 2.5     | 1 x 2.5 / 2 x 2.5   | 1 x 4 / 2 x 2.5 |
|                                            | AWG             | 1 x 12 / 2 x 14     | 1 x 14 / 2 x 14     | 1 x 12 / 2 x 14 |

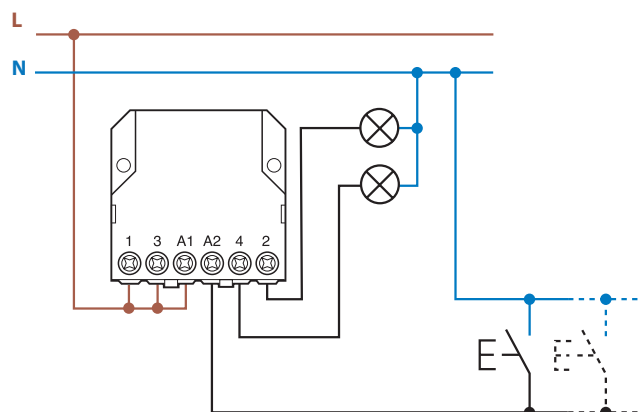
## Coil specifications

## AC version data

| Nominal voltage<br>$U_N$ | Coil code | Operating range |           | Resistance | Consumption           |
|--------------------------|-----------|-----------------|-----------|------------|-----------------------|
|                          |           | $U_{min}$       | $U_{max}$ | R          | I at $U_N$<br>(50 Hz) |
| V                        |           | V               | V         | Ω          | mA                    |
| 12                       | 8.012     | 9.6             | 13.2      | 17         | 370                   |
| 24                       | 8.024     | 19.2            | 26.4      | 70         | 180                   |
| 48                       | 8.048     | 38.4            | 52.8      | 290        | 90                    |
| 110                      | 8.110     | 88              | 121       | 1500       | 40                    |
| 230                      | 8.230     | 184             | 253       | 6250       | 20                    |

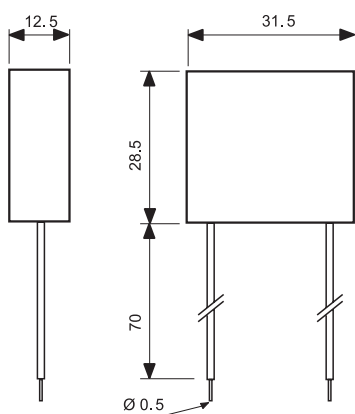
| Type  | Number of steps | Sequence |   |   |   |
|-------|-----------------|----------|---|---|---|
|       |                 | 1        | 2 | 3 | 4 |
| 26.01 | 2               |          |   |   |   |
| 26.02 | 2               |          |   |   |   |
| 26.03 | 2               |          |   |   |   |
| 26.04 | 4               |          |   |   |   |
| 26.06 | 3               |          |   |   |   |
| 26.08 | 4               |          |   |   |   |

## Wiring diagrams



## Accessories

**for 12 and 24 V DC control applications**

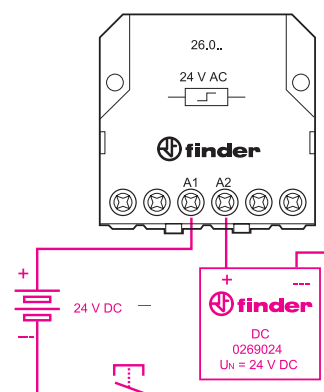


Type: 026.9.012

Nominal voltage: 12 V DC  
Max temperature: +40 °C  
Operating range:  $(0.9 \dots 1.1) U_N$

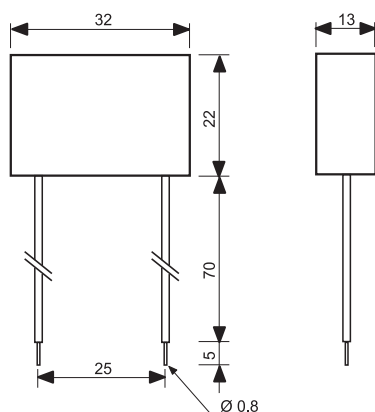
Type: 026.9.024

Nominal voltage: 24 V DC  
Max temperature: +40 °C  
Operating range: (0.9...1.1)U<sub>N</sub>



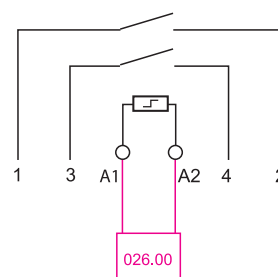
**Example of wiring for 24 V DC control application.**

### Module for use with illuminated push buttons (230 V AC applications)



**Type 026.00**

Sealed construction, 7.5 cm insulated flexible wire termination.

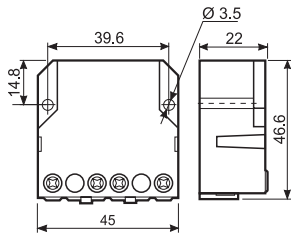


### Example of wiring diagram of type 026.00

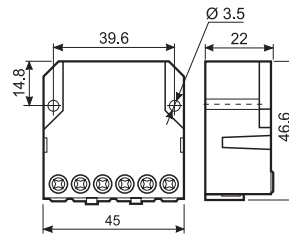
This module is necessary when using between 1 and a maximum of 15 illuminated push buttons in the coil circuit (Each 1 mA max, 230 V AC). It must be connected in parallel to the coil of the relay (see diagram).

## Outline drawings

Type 26.01  
Screw terminal



Types 26.02 / 04 / 06 / 08  
Screw terminal



Type 26.03  
Screw terminal

