

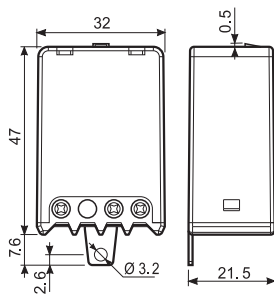
## Features

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

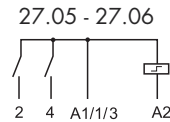
- Choice of 3 switching sequences
- Screw terminal connections
- AC coil
- Panel mount
- Cadmium free contact material



### 27.0x



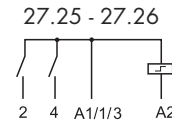
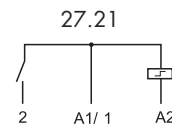
- Single or 2 double phase switch 1 NO (SPST-NO) or 2 NO (DPST-NO)



### NEW 27.2x EVO



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



| 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:                         | incandescent              | W                                                         | 500   | 1000                                                      | 1000 |
|                                              | compensated fluorescent   | W                                                         | 180   | 360                                                       | 360  |
|                                              | uncompensated fluorescent | W                                                         | 250   | 500                                                       | 500  |
|                                              | halogen                   | W                                                         | 400   | 800                                                       | 800  |
| Minimum switching current                    | mW (V/mA)                 | 10                                                        |       | 10                                                        |      |
| Standard contact material                    |                           | AgNi                                                      |       | AgNi                                                      |      |
| Coil specification                           |                           |                                                           |       |                                                           |      |
| Nominal voltage (U <sub>N</sub> )            | V AC (50/60 Hz)           | 110                                                       | 230   | 230                                                       |      |
|                                              | V DC                      | —                                                         |       | —                                                         |      |
| Pickup/continuous power                      | VA (50 Hz)                | 4/4                                                       |       | 25/1                                                      |      |
| Operating range                              | AC 50Hz/AC 60Hz           | (0.8 ... 1.1)U <sub>N</sub> /(0.85 ... 1.1)U <sub>N</sub> |       | (0.8 ... 1.1)U <sub>N</sub> /(0.85 ... 1.1)U <sub>N</sub> |      |
|                                              | DC                        | —                                                         |       | —                                                         |      |
| Technical data                               |                           |                                                           |       |                                                           |      |
| Mechanical life AC/DC                        | cycles                    | 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>                                     |      |
| Max no. of illuminated push-button           | (≤1 mA)                   | 4 (24 with module 027.00)                                 |       | 15                                                        |      |
| Minimum/Maximum impulse duration             |                           | 0.1s/1h (according to EN 60669)                           |       | 0.1s/continuous                                           |      |
| Ambient temperature range                    | °C                        | -40...+40                                                 |       | -40...+40                                                 |      |
| Protection category                          |                           | IP 20                                                     |       | IP 20                                                     |      |
| Approvals (according to type)                |                           |                                                           |       |                                                           |      |

## 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

**Coil voltage**  
 See coil specifications  
**Coil version**  
 8 = AC (50/60 Hz)

**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)

## 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 |
|                                                                        | mm <sup>2</sup> | 2x2.5       | 1x4 / 2x2.5                | 2x2.5       |
|                                                                        | AWG             | 2x14        | 1x12 / 2x14                | 2x14        |

## Coil specifications

Types 27.01, 27.05, 27.06

| Nominal voltage<br>$U_N$<br>V | Coil code | Operating range (50 Hz) |                | Resistance<br>R<br>$\Omega$ | Consumption<br>I at $U_N$ (50 Hz)<br>mA |
|-------------------------------|-----------|-------------------------|----------------|-----------------------------|-----------------------------------------|
|                               |           | $U_{min}$<br>V          | $U_{max}$<br>V |                             |                                         |
| 110                           | 8.110     | 88                      | 121            | 1,400                       | 42.0                                    |
| 230                           | 8.230     | 184                     | 253            | 6,500                       | 17.5                                    |

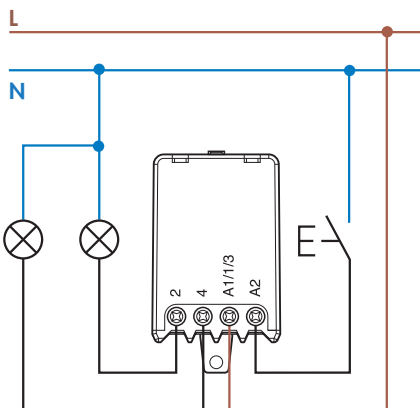
| Type     | Number of steps | Sequence |   |   |   |
|----------|-----------------|----------|---|---|---|
|          |                 | 1        | 2 | 3 | 4 |
| 27.01/21 | 2               |          |   |   |   |
| 27.05/25 | 4               |          |   |   |   |
| 27.06/26 | 3               |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

Types 27.21, 27.25, 27.26

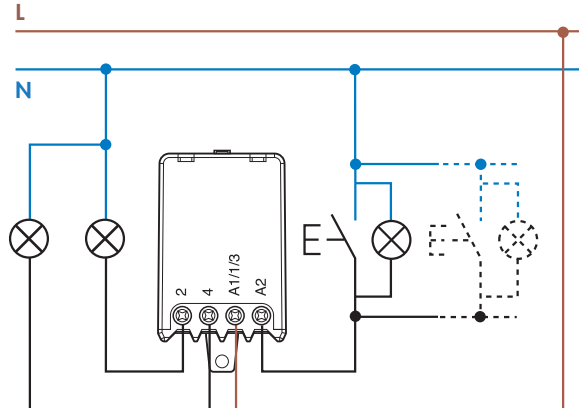
| Nominal voltage<br>$U_N$<br>V | Coil code | Operating range (50 Hz) |                | Resistance<br>R<br>$\Omega$ | Consumption                         |                                        |
|-------------------------------|-----------|-------------------------|----------------|-----------------------------|-------------------------------------|----------------------------------------|
|                               |           | $U_{min}$<br>V          | $U_{max}$<br>V |                             | pick up<br>I at $U_N$ (50 Hz)<br>mA | continuous<br>I at $U_N$ (50 Hz)<br>mA |
| 230                           | 8.230     | 184                     | 253            | 1,250                       | 100                                 | 4                                      |

## Wiring diagram

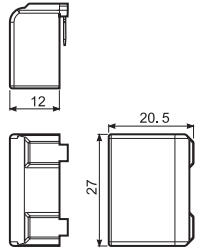
Type 27.01/05/06



Type 27.21/25/26

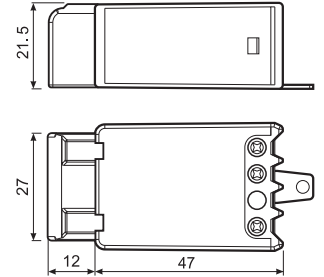


**Accessories for types 27.01, 27.05, 27.06**  
**Module for illuminated push-button (230 V AC applications)**



**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**