



## Main

|                                              |                                   |
|----------------------------------------------|-----------------------------------|
| Range of product                             | Zelio Relay                       |
| Series name                                  | Interface relay                   |
| Product or component type                    | Plug-in relay                     |
| Device short name                            | RSL                               |
| Contacts type and composition                | 1 C/O                             |
| Contact operation                            | Standard                          |
| [Uc] control circuit voltage                 | 24 V DC                           |
| [Ithe] conventional enclosed thermal current | 6 A at -40...131 °F (-40...55 °C) |
| Status LED                                   | With                              |
| Shape of pin                                 | Flat (PCB type)                   |
| Sale per indivisible quantity                | 10                                |

## Complementary

|                                        |                                                                                                                                                                                  |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fixing mode                            | Plastic compression spring                                                                                                                                                       |
| Average resistance                     | 3390 Ohm (DC) at 23 °C +/- 10 %                                                                                                                                                  |
| [Ui] rated insulation voltage          | 250 V conforming to EN/IEC<br>277 V conforming to cUL                                                                                                                            |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC                                                                                                                                                           |
| Contacts material                      | Silver alloy (AgSnO2)                                                                                                                                                            |
| [Ie] rated operational current         | 6 A 1 C/O (AC-1/DC-1) conforming to IEC/UL                                                                                                                                       |
| Minimum switching current              | 100 mA                                                                                                                                                                           |
| Maximum switching voltage              | 277 V                                                                                                                                                                            |
| Switching voltage                      | 12 V                                                                                                                                                                             |
| Maximum switching capacity             | 1500 VA<br>150 W                                                                                                                                                                 |
| Minimum switching capacity             | 120 mW                                                                                                                                                                           |
| Operating rate                         | <= 72000 cycles/hour no-load<br><= 360 cycles/hour under load                                                                                                                    |
| Mechanical durability                  | <= 10000000 cycles                                                                                                                                                               |
| Electrical durability                  | 60000 cycles for resistive load (6 A at 250 V, AC-1)                                                                                                                             |
| Operating time                         | 5 ms<br>12 ms reset                                                                                                                                                              |
| Marking                                | CE                                                                                                                                                                               |
| Protection category                    | RT III                                                                                                                                                                           |
| Operating position                     | Any position                                                                                                                                                                     |
| Height                                 | 3.09 in (78.6 mm)                                                                                                                                                                |
| Width                                  | 0.24 in (6.2 mm)                                                                                                                                                                 |
| Depth                                  | 3.98 in (101 mm)                                                                                                                                                                 |
| Terminals description ISO n°1          | (11-12-14)OC<br>(A1-A2)CO                                                                                                                                                        |
| Product weight                         | 0.06 lb(US) (0.029 kg)                                                                                                                                                           |
| Load current                           | 6 A at 250 V AC for 0.5 mm mounting distance                                                                                                                                     |
| Average coil consumption               | 0.17 W DC                                                                                                                                                                        |
| Drop-out voltage threshold             | >= 0.05 Uc                                                                                                                                                                       |
| Contact terminal arrangement           | Separate                                                                                                                                                                         |
| Connections - terminals                | Spring terminals (1 x 0.2...1 x 1.5 mm² / AWG 24...AWG 16) flexible cable with cable end<br>Spring terminals (1 x 0.2...1 x 1.5 mm² / AWG 24...AWG 16) solid cable without cable |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|                         |                            |
|-------------------------|----------------------------|
|                         | end                        |
| Tightening torque       | 10...40 N.m                |
| Safety reliability data | B10d = 60000               |
| Clamping force          | 10...40 N                  |
| Control type            | Without push-button        |
| Mounting support        | 35 mm symmetrical DIN rail |
| Device presentation     | Complete product           |

## Environment

|                                       |                                                                                                                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| input voltage                         | 24 V AC/DC (input voltage limit: 21.6...28.8 V)                                                                                                                                  |
| dielectric strength                   | 1000 V AC (between contacts)<br>4000 V AC (between coil and contact)                                                                                                             |
| standards                             | EN/IEC 61810-1<br>UL 508<br>CSA C22.2 No 14                                                                                                                                      |
| product certifications                | CSA<br>GOST<br>UL                                                                                                                                                                |
| ambient air temperature for storage   | -40...185 °F (-40...85 °C)                                                                                                                                                       |
| vibration resistance                  | 5 gn +/- 1 mm (f = 10...150 Hz) 10 cycles in operation conforming to EN/IEC 60068-2-6<br>10 gn +/- 1 mm (f = 10...150 Hz) 10 cycles not operating conforming to EN/IEC 60068-2-6 |
| IP degree of protection               | IP40 conforming to EN/IEC 60529                                                                                                                                                  |
| shock resistance                      | 5 gn for 11 ms not operating conforming to EN/IEC 60068-2-27<br>10 gn for 11 ms in operation conforming to EN/IEC 60068-2-27                                                     |
| ambient air temperature for operation | -40...131 °F (-40...55 °C)                                                                                                                                                       |

## Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Green Premium product                                                                                                      | Green Premium product                                                                                                      |
| Compliant - since 1417 - Schneider Electric declaration of conformity                                                      | Compliant - since 1417 - Schneider Electric declaration of conformity                                                      |
| Reference not containing SVHC above the threshold                                                                          | Reference not containing SVHC above the threshold                                                                          |
| Available                                                                                                                  | Available                                                                                                                  |
| Available                                                                                                                  | Available                                                                                                                  |
| WARNING: This product can expose you to chemicals including:                                                               | WARNING: This product can expose you to chemicals including:                                                               |
| Nickel compounds, which is known to the State of California to cause cancer, and                                           | Nickel compounds, which is known to the State of California to cause cancer, and                                           |
| Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. |
| For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

## Dimensions

mm  
in

