

## Main

|                                              |                      |
|----------------------------------------------|----------------------|
| Range of product                             | Zelio Relay          |
| Series name                                  | Slim interface relay |
| Product or component type                    | Plug-in relay        |
| Device short name                            | RSL                  |
| Contacts type and composition                | 1 C/O                |
| Contacts operation                           | Standard             |
| Control circuit voltage                      | 48 V DC              |
| [Ithe] conventional enclosed thermal current | 6 A at -40...55 °C   |
| Status LED                                   | Without              |
| Control type                                 | Without push-button  |

## Complementary

|                                        |                                                               |
|----------------------------------------|---------------------------------------------------------------|
| Shape of pin                           | Flat (PCB type)                                               |
| Average resistance                     | 10600 Ohm at 23 °C +/- 15 %                                   |
| Rated operational voltage limits       | 36...67.2 V DC                                                |
| [Ui] rated insulation voltage          | 277 V conforming to cUL<br>250 V conforming to EN/IEC         |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC                                        |
| Contacts material                      | Silver alloy (AgSnO2)                                         |
| [Ie] rated operational current         | 6 A (AC-1/DC-1) conforming to IEC/UL                          |
| Minimum switching current              | 10 mA                                                         |
| Maximum switching voltage              | 277 V                                                         |
| Minimum switching voltage              | 12 V                                                          |
| Maximum switching capacity             | 50 W<br>1500 VA                                               |
| Minimum switching capacity             | 120 mW                                                        |
| Operating rate                         | <= 18000 cycles/hour no-load<br><= 360 cycles/hour under load |
| Mechanical durability                  | 10000000 cycles                                               |
| Electrical durability                  | 60000 cycles (6 A at 250 V, AC-1) C/O                         |
| Operating time                         | 12 ms reset<br>5 ms                                           |
| Protection category                    | RT III                                                        |
| Operating position                     | Any position                                                  |
| Width                                  | 5 mm                                                          |
| Height                                 | 28 mm                                                         |
| Depth                                  | 18.5 mm                                                       |
| Terminals description ISO n°1          | (11-12-14)OC<br>(A1-A2)CO                                     |
| Product weight                         | 0.0054 kg                                                     |
| Load current                           | 6 A at 250 V AC for 0.5 mm mounting distance                  |
| Average consumption in W               | 0.21 W                                                        |
| Drop-out voltage threshold             | >= 0.05 Uc                                                    |
| Safety reliability data                | B10d = 60000                                                  |

## Environment

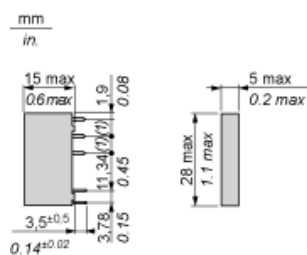
|                                       |                                                                                                                             |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Dielectric strength                   | 4000 V AC (between coil and contact)<br>1000 V AC (between contacts)                                                        |
| Standards                             | EN/IEC 61810-1<br>UL 508<br>CSA C22.2 No 14                                                                                 |
| Product certifications                | CSA<br>UL<br>EAC                                                                                                            |
| Ambient air temperature for storage   | -40...70 °C                                                                                                                 |
| Vibration resistance                  | +/- 1 mm (f = 10...55 Hz) conforming to EN/IEC 60068-2-6                                                                    |
| IP degree of protection               | IP40 conforming to EN/IEC 60529                                                                                             |
| Shock resistance                      | 5 gn for 11 ms in operation conforming to EN/IEC 60068-2-27<br>5 gn for 11 ms not operating conforming to EN/IEC 60068-2-27 |
| Ambient air temperature for operation | -40...55 °C                                                                                                                 |

## Offer Sustainability

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                 |
| RoHS (date code: YYWW)           | Compliant - since 1417 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                     |
| Product environmental profile    | Available <a href="#">Download Product Environmental</a>                              |
| Product end of life instructions | Need no specific recycling operations                                                 |

## Dimensions

### Relay with Flat Pins (PCB Type)



(1): 5.04 mm / 0.19 in.

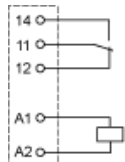
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## Wiring Diagram

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### Relay with Flat Pins (PCB Type)

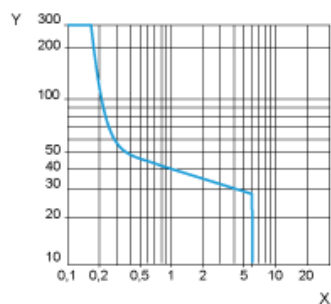
1 C/O contact



## Curves for Resistive Load

### Maximum Switching Capacity on DC Load

Resistive load

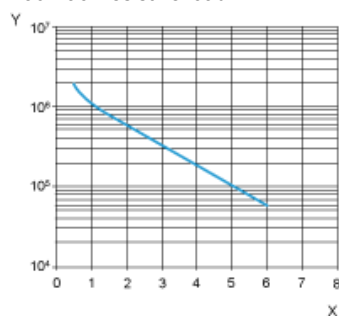


X DC Current  
Y DC Voltage

### Electrical Durability

Only tested at 6A/250VAC, projection for the rest

250 Vac Resistive load



X Switching current (A)  
Y Cycles

Note : These are typical curves, actual durability depends on load, environment, duty cycle, etc.