

Main

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| 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 | 24 V DC |
| [Ithe] conventional enclosed thermal current | 6 A at -40...55 °C |
| Status LED | Without |
| Control type | Without push-button |

Complementary

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|--|---|
| Shape of pin | Flat (PCB type) |
| Average resistance | 3390 Ohm at 23 °C +/- 15 % |
| Rated operational voltage limits | 18...33.6 V DC |
| [Ui] rated insulation voltage | 277 V conforming to cUL 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 |
| Switching voltage | 12 V |
| Maximum switching capacity | 1500 VA 50 W |
| Minimum switching capacity | 120 mW |
| Operating rate | <= 360 cycles/hour under load |

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|-------------------------------|--|
| | <= 18000 cycles/hour no-load |
| Mechanical durability | 10000000 cycles |
| Electrical durability | 60000 cycles (6 A at 250 V, AC-1) C/O |
| Operating time | 5 ms 12 ms reset |
| 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 (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 | 0.17 W |
| Drop-out voltage threshold | >= 0.05 Uc |
| Safety reliability data | B10d = 60000 |

Environment

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|---------------------------------------|---|
| Dielectric strength | 1000 V AC (between contacts) 4000 V AC (between coil and contact) |
| Standards | UL 508 CSA C22.2 No 14 EN/IEC 61810-1 |
| Product certifications | EAC UL CSA |
| 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 not operating conforming to EN/IEC 60068-2-27 5 gn for 11 ms in operation conforming to EN/IEC 60068-2-27 |
| Ambient air temperature for operation | -40...55 °C |

Offer Sustainability

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

Contractual warranty

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

Dimensions

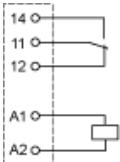
Relay with Flat Pins (PCB Type)

(1): 5.04 mm / 0.19 in.

Wiring Diagram

Relay with Flat Pins (PCB Type)

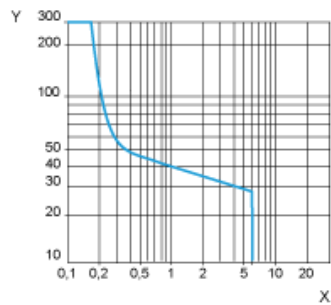
1 C/O contact



Curves for Resistive Load

Maximum Switching Capacity on DC Load

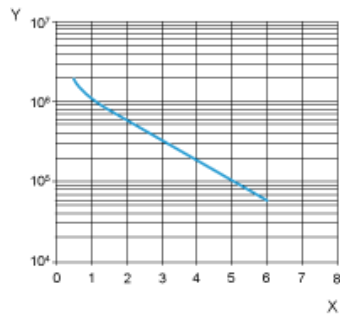
Resistive load



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.