



Main

| | |
|-------------------------------|--------------------------------------|
| Range of product | Zelio Relay |
| Product or component type | Solid state relay |
| Device short name | SSP1 |
| Mounting support | Panel |
| Phase | 1 phase |
| Contacts type and composition | 1 NO |
| Line Rated Current | 50 A |
| Solid state output type | Zero voltage switching SCR output |

Complementary

| | |
|--|---|
| [Uc] control circuit voltage | 4...32 V DC |
| Minimum switching voltage | 4 V DC turn-on |
| Maximum switching voltage | 1 V DC turn-off |
| Response time | 0.5 cycle turn-on 0.5 cycle turn-off |
| Input current limits | 7...12 mA |
| Output voltage | 48...660 V AC |
| Load current | 0.15...50 A |
| Absolute maximum voltage | 1200 V |
| Surge current | <= 625 A for 16.6 ms |
| Maximum I ² t for fusing | 1770 A ² .s for 10 ms at 50 Hz half cycle 1629 A ² .s for 8.33 ms at 60 Hz half cycle |
| Protection device type | Type 1 - 40 A miniature circuit breaker (MCB) - curve B Type 2 - 32 A miniature circuit breaker (MCB) - curve B |
| Leakage current | <= 1 mA off-state |
| Voltage drop | 1.15 V on-state |
| DV/dt | 500 V/μs off-state at maximum voltage |
| Cos phi | 0.5 with maximum load |
| Motor power hp | 5 hp 480 V AC 0.75 hp 120 V AC 2 hp 240 V AC |
| Insulation resistance | 1000 MOhm at 500 V DC |
| Capacitance unbalance | 8 pF input/output |
| Dielectric strength | 4 kV AC input/output 4 kV AC input or output to case |
| [Uimp] rated impulse withstand voltage | 6 kV output to case 6 kV input to output |
| Tightening torque | 1.5...1.7 N.m input 2...2.2 N.m output |
| Connections - terminals | Forked type tag connectors : 9.2 x 4 mm input Ring lugs : 9.2 x 4 mm input Forked type tag connectors : 11.7 x 4.5 mm output Ring lugs : 11.7 x 4.5 mm output Screw terminals : 0.2...3.3 mm ² , (AWG 24...AWG 12) with cable end input Screw terminals : 0.5...5.26 mm ² , (AWG 20...AWG 10) with cable end output Screw terminals : 0.2...3.3 mm ² , (AWG 24...AWG 12) without cable end input Screw terminals : 0.5...8.26 mm ² , (AWG 20...AWG 8) without cable end output |
| Thermal resistance | 0.45 °C/W junction to case |
| Local signalling | LED, green input |
| IP degree of protection | IP20 |

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.

Safety reliability data

MTTFd = 1875.9 years
B10d = 1731395

Product weight

3.15 oz (89.2 g)

Environment

ambient air temperature for operation

-40...176 °F (-40...80 °C)

ambient air temperature for storage

-40...257 °F (-40...125 °C)

pollution degree

2

overvoltage category

III

product certifications

CE
CSA
RoHS
UL
REACH
EAC

marking

CE
CSA
UL
EAC

standards

EN/IEC 60950-1
UL 508
EN/IEC 62314
CSA C22.2 No 14-13

Offer Sustainability

Green Premium product

Green Premium product

Compliant - since 1522 - Schneider Electric declaration of conformity

Compliant - since 1522 - 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:

Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.

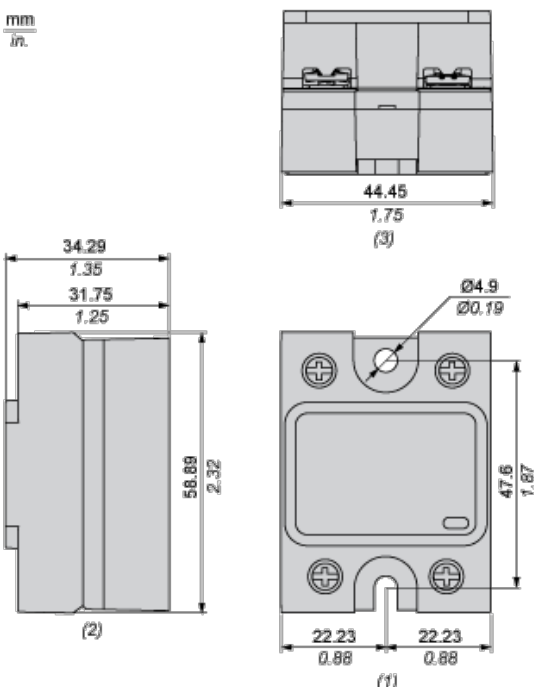
Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.

For more information go to www.p65warnings.ca.gov

For more information go to www.p65warnings.ca.gov

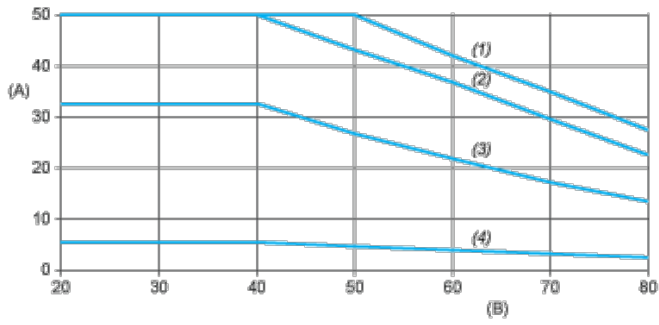
Dimensions

mm
in.



- (1) Front view
- (2) Side view
- (3) Bottom view

Derating Curves



- A : Load Current (Arms)
- B : Ambient Temperature (°C)
- (1) For Heatsink SSRHP07
- (2) For Heatsink SSRHD10
- (3) For Heatsink SSRHP17
- (4) No Heatsink



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.