



## Main

|                           |                   |
|---------------------------|-------------------|
| Range of product          | Zelio Relay       |
| Product or component type | Solid state relay |
| Device short name         | SSM               |
| Number of channels        | 1                 |
| Phase                     | 1 phase           |

## Complementary

|                                     |                                                                                                                                                                 |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mounting support                    | Symmetrical DIN rail                                                                                                                                            |
| Line Rated Current                  | 12 A                                                                                                                                                            |
| Output voltage                      | 24...280 V AC                                                                                                                                                   |
| [Uc] control circuit voltage        | 200...265 V AC                                                                                                                                                  |
| Contacts type and composition       | 1 NO                                                                                                                                                            |
| Tightening torque                   | Input : 0.5...0.8 N.m<br>Output : 0.5...0.8 N.m                                                                                                                 |
| Connections - terminals             | Screw terminals : 1 x 0.3...1 x 1.5 mm <sup>2</sup> , (AWG 22...AWG 16) input<br>Screw terminals : 1 x 0.3...1 x 2.5 mm <sup>2</sup> , (AWG 22...AWG 14) output |
| Capacitance unbalance               | <= 10 pF input/output                                                                                                                                           |
| Insulation resistance               | 1000 MOhm at 500 V DC                                                                                                                                           |
| Local signalling                    | LED green input status                                                                                                                                          |
| Minimum switching voltage           | 200 V AC turn-on                                                                                                                                                |
| Maximum switching voltage           | 90 V AC turn-off                                                                                                                                                |
| Input current limits                | 2.5...3.5 mA                                                                                                                                                    |
| Solid state output type             | SCR output<br>Random voltage switching                                                                                                                          |
| Load current                        | 0.00015...12 A                                                                                                                                                  |
| Absolute maximum voltage            | 600 V                                                                                                                                                           |
| Surge current                       | <= 715 A 16.6 ms<br><= 750 A 20 ms                                                                                                                              |
| Voltage drop                        | <= 1.3 V on-state                                                                                                                                               |
| Motor power hp                      | 0.33 hp at 104 °F (40 °C) 240 V AC                                                                                                                              |
| Maximum I <sup>2</sup> t for fusing | 2560 A <sup>2</sup> .s 10 ms at 50 Hz half cycle<br>2330 A <sup>2</sup> .s 8.33 ms at 60 Hz half cycle                                                          |
| Leakage current                     | <= 0.1 mA off-state                                                                                                                                             |
| DV/dt                               | 500 V/μs off-state at maximum voltage                                                                                                                           |
| Response time                       | 30 ms turn-off<br>20 ms turn-on                                                                                                                                 |
| Cos phi                             | >= 0.5 with maximum load                                                                                                                                        |
| Overvoltage category                | III                                                                                                                                                             |
| Width                               | 0.71 in (18 mm)                                                                                                                                                 |
| Height                              | 90.3 mm                                                                                                                                                         |
| Depth                               | 83.7 mm                                                                                                                                                         |
| Product weight                      | 0.2 lb(US) (0.09 kg)                                                                                                                                            |

## Environment

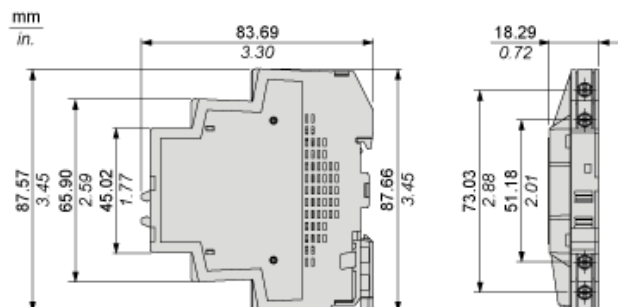
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|                                       |                                                         |
|---------------------------------------|---------------------------------------------------------|
| flame retardance                      | V0 conforming to UL 94                                  |
| dielectric strength                   | 4 kV AC input/output<br>4 kV AC input or output to case |
| pollution degree                      | 2                                                       |
| standards                             | IEC 61000<br>IEC 60950-1<br>IEC 62314                   |
| product certifications                | CSA<br>UL<br>REACH                                      |
| marking                               | CE                                                      |
| IP degree of protection               | IP20                                                    |
| ambient air temperature for operation | -22...176 °F (-30...80 °C)                              |
| ambient air temperature for storage   | -22...212 °F (-30...100 °C)                             |

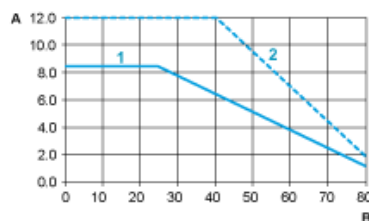
## Offer Sustainability

|                                                                                                                                  |                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Green Premium product                                                                                                            | Green Premium product                                                                                                            |
| Compliant - since 1328 - Schneider Electric declaration of conformity                                                            | Compliant - since 1328 - 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 <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>                                    |

## Dimensions



## Derating Curves



A : Load Current (Amperes)

B : Ambient Temperature (°C)

1 : Multiple units, no minimum spacing between components

2 : Installed single unit, distance to adjacent components more than 18 mm

## Данный компонент на территории Российской Федерации

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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