



## Main

|                           |                   |
|---------------------------|-------------------|
| Range of product          | Harmony Relay     |
| Product or component type | Solid state relay |
| Device short name         | SSL               |
| Network number of phases  | 1 phase           |

## Complementary

|                                     |                                                                                       |
|-------------------------------------|---------------------------------------------------------------------------------------|
| Mounting support                    | Socket                                                                                |
| [In] rated current                  | 2 A                                                                                   |
| Output voltage                      | 24...280 V AC                                                                         |
| [Uc] control circuit voltage        | 15...30 V DC                                                                          |
| Contacts type and composition       | 1 NO                                                                                  |
| Capacitance unbalance               | 1.5 PF input/output                                                                   |
| Minimum switching voltage           | 15 V DC turn-on                                                                       |
| Maximum switching voltage           | 10 V DC turn-off                                                                      |
| Input current limits                | 6 MA                                                                                  |
| Input impedance                     | 3500 Ohm                                                                              |
| Solid state output type             | SCR output<br>Random voltage switching                                                |
| Load current                        | 0.07...2 A                                                                            |
| Absolute maximum voltage            | 600 V AC                                                                              |
| Surge current                       | 120 A for 16.6 ms<br>115 A for 20 ms                                                  |
| Maximum voltage drop                | <1.1 V on-state                                                                       |
| Maximum I <sup>2</sup> t for fusing | 285 A <sup>2</sup> .S for 10 ms at 50 Hz<br>260 A <sup>2</sup> .S for 8.3 ms at 60 Hz |
| Maximum leakage current             | 4 MA off-state                                                                        |
| DV/dt                               | 500 V/μs off-state at maximum voltage                                                 |
| Response time                       | 0.5 cycle (turn-off)<br>0.1 ms (turn-on)                                              |
| Overvoltage category                | III                                                                                   |
| Width                               | 5 Mm                                                                                  |
| Height                              | 28 Mm                                                                                 |
| Depth                               | 15 Mm                                                                                 |
| Net weight                          | 0.0041 Kg                                                                             |

## Environment

|                                       |                         |
|---------------------------------------|-------------------------|
| Flame retardance                      | V0 conforming to UL 94  |
| Dielectric strength                   | 2500 V for input/output |
| Pollution degree                      | 2                       |
| Product certifications                | UL<br>CSA               |
| Marking                               | CE                      |
| Ambient air temperature for operation | -20...80 °C             |
| Ambient air temperature for storage   | -20...85 °C             |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 4 G      |
| Package 1 Height             | 0.7 Cm   |
| Package 1 width              | 2.5 Cm   |
| Package 1 Length             | 37 Cm    |
| Unit Type of Package 2       | BB1      |
| Number of Units in Package 2 | 12       |
| Package 2 Weight             | 60 G     |
| Package 2 Height             | 0.7 Cm   |
| Package 2 width              | 2.5 Cm   |
| Package 2 Length             | 37 Cm    |
| Unit Type of Package 3       | S01      |
| Number of Units in Package 3 | 1080     |
| Package 3 Weight             | 5.684 Kg |
| Package 3 Height             | 15 Cm    |
| Package 3 width              | 15 Cm    |
| Package 3 Length             | 40 Cm    |

## Offer Sustainability

|                            |                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                          |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                              |
| REACH free of SVHC         | Yes                                                                                            |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes                                                                                            |
| RoHS exemption information | <a href="#">Yes</a>                                                                            |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                         |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                  |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                        |

Product Life Status : **Commercialised**