

Product data sheet

Specifications



Solid state relay, Harmony Relay,
panel mounting, input 3...32 V DC,
output 24 280 V AC, 10 A

SSRDDC10

⚠ Discontinued on: Jan 23, 2021

⚠ Discontinued

Main

| | |
|------------------------------|-------------------|
| Range of Product | Zelio Relay |
| Product or Component Type | Solid state relay |
| Device short name | SSR |
| Phase | 1 phase |
| Mounting Support | Panel |
| Line Rated Current | 10 A |
| Output voltage | 24...280 V AC |
| [Uc] control circuit voltage | 3...32 V DC |

Complementary

| | |
|-------------------------------|---|
| Contacts type and composition | 1 NO |
| Tightening torque | <= 1.1 N.m for input <= 2.2 N.m for output |
| Local signalling | for input status LED (green) |
| Switching voltage | 1 V DC turn-off 3 V DC turn-on |
| Input current limits | 10 mA |
| Solid state output type | SCR output Zero voltage switching |
| Load current | 0.15...10 A |
| output sustained overvoltage | 600 V |
| Surge current | 120 A 16.6 ms |
| Maximum voltage drop | <1.6 V on-state |
| thermal resistance | 1.48 °C/W |
| Maximum I²t for fusing | 60 A².s 8.3 ms |
| Maximum leakage current | 1 mA off-state |
| DV/dt | 500 V/µs off-state at maximum voltage |
| Response time | 0.5 cycle (turn-on) 0.5 cycle (turn-off) |

Environment

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: 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

| | |
|---------------------------------------|--|
| Standards | IEC 62314 UL E258297 IEC 60950-1 CSA LR 40487 |
| Marking | CE |
| IP degree of protection | IP20 |
| Ambient Air Temperature for Operation | -40...176 °F (-40...80 °C) |
| Ambient Air Temperature for Storage | -40...257 °F (-40...125 °C) |

Ordering and shipping details

| | |
|-------------------|------------------------------------|
| Category | 22750-INDUSTRIAL POINT OF PURCHASE |
| Discount Schedule | IPOP |
| GTIN | 00785901659563 |
| Returnability | No |

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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[Guide to assess a product's sustainability >](#)

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Eu Rohs Directive

Pro-active compliance (Product out of EU RoHS legal scope)

China Rohs Regulation

[China RoHS declaration](#)

Product out of China RoHS scope. Substance declaration for your information.

Weee

The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

California Proposition 65

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. For more information go to www.P65Warnings.ca.gov