

Product data sheet

Specifications



Solid state relay, Harmony Relay, DIN rail mount, 20 A DC Control

SSRDDC20

⚠ Discontinued on: Jan 23, 2021

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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	20 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	LED (green) for input status
Switching voltage	1 V DC turn-off 3 V DC turn-on
Input current limits	10 mA
Solid state output type	Zero voltage switching SCR output
Load current	0.15...25 A
output sustained overvoltage	600 V
Surge current	250 A 16.6 ms
Maximum voltage drop	<1.6 V on-state
thermal resistance	1.02 °C/W
Maximum I ² t for fusing	260 A ² .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.

Standards	UL E258297 IEC 62314 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	00785901659587
Returnability	No

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

Materials and Substances

[EU RoHS Directive](#)

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

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

Use Longer

Lifetime extension

Repair

No