

Product data sheet

Characteristics

SSRDCDS30A1

solid state relay - DIN rail mount - input 4-32 V DC, output 24-280 V AC, 30A



Main

Range of Product	Zelio Relay
Product or Component Type	Solid state relay
Device short name	SSR
Phase	1 phase
Mounting Support	Symmetrical DIN rail
Line Rated Current	30 A
Output voltage	24...280 V AC
[Uc] control circuit voltage	4...32 V DC

Complementary

Contacts type and composition	1 NO
Tightening torque	0.6...0.7 N.m for input 0.6...0.7 N.m for output
Connections - terminals	Screw terminals 1 x 0.2...1 x 5.3 mm ² input - AWG 24...AWG 10 Screw terminals 1 x 0.2...1 x 5.3 mm ² output - AWG 24...AWG 10
Local signalling	For input status LED (green)
Switching voltage	4 V DC turn-on 1 V DC turn-off
Input current limits	8...12 mA
Solid state output type	SCR output Zero voltage switching
Load current	0.15...30 A
Output sustained overvoltage	600 V
Surge current	625 A 16.6 ms
Maximum voltage drop	<1.6 V on-state
Maximum I ² t for fusing	1620 A ² .s 8.3 ms
Maximum leakage current	10 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

Standards	IEC 60950-1 IEC 62314 UL E258297 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)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance 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.

Ordering and shipping details

Category	21127-ZELIO ICE CUBE RELAYS
Discount Schedule	CP2
GTIN	3606480076510
Nbr. of units in pkg.	1
Package weight(Lbs)	0.65 lb(US) (0.296 kg)
Returnability	Yes
Country of origin	MX

Packing Units

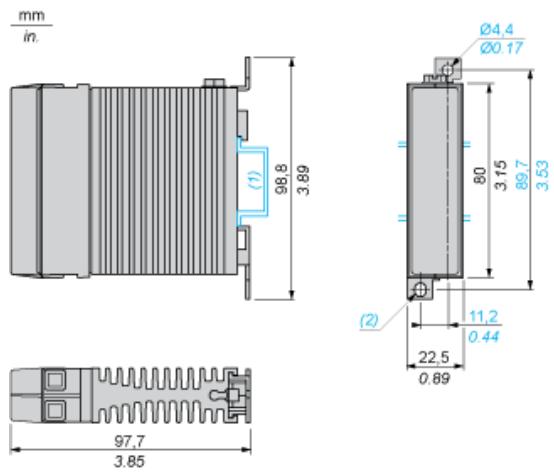
Unit Type of Package 1	PCE
Package 1 Height	1.18 in (3 cm)
Package 1 width	4.33 in (11 cm)
Package 1 Length	4.33 in (11 cm)

Contractual warranty

Warranty	18 months
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Dimensions

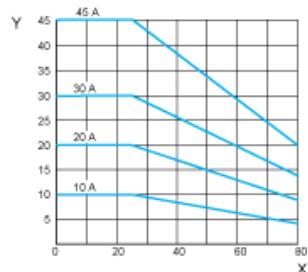
DIN Rail Mounting



- (1) 35 mm/1.37 in. DIN rail.
(2) Ø 4.4 mm x 5.5 mm / Ø 0.17 in. x 0.22 in. elongated hole

Thermal Derating Curves

10...45 A Relays



X Ambient temperature (°C)
Y Output current (Arms)

Note : These are typical curves, actual durability depends on load, environment, duty cycle, etc.