

# 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 <sup>2</sup> input - AWG 24...AWG 10 Screw terminals 1 x 0.2...1 x 5.3 mm <sup>2</sup> 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 <sup>2</sup> t for fusing	1620 A <sup>2</sup> .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)

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### 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

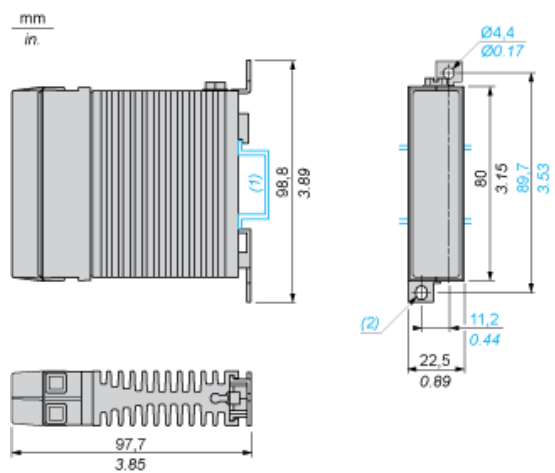
Unit Type of Package 1	PCE
Package 1 Height	1.18 in (3 cm)
Package 1 width	4.33 in (11 cm)
Package 1 Length	4.33 in (11 cm)

### Contractual warranty

Warranty	18 months
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## Dimensions

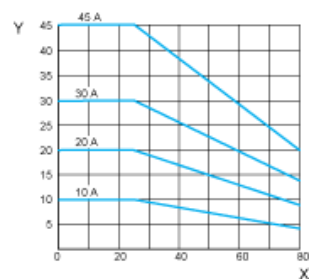
### DIN Rail Mounting



- (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.

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