Product data sheet
Characteristics

SSRDCDS10A1
solid state relay - rail mounting - input 4-32 V DC, output 24-280 V AC, 10A

Stock Code: Stock - Normally stocked in distribution facility

Main

Commercial Status	Commercialised
Range of product	Zelio Relay
Product or component type	Solid state relay
Device short name	SSR
Network number of phases	1 phase
Mounting support	Symmetrical DIN rail
[In] rated current	10 A
Output voltage	24...280 V AC
Control circuit voltage	4...32 V DC

Complementary

Contacts type and composition	1 NO
Tightening torque	0.6...0.7 N.m for output 0.6...0.7 N.m for input
Connections - terminals	Screw terminals 1 x 0.2...1 x 5.3 mm² for output - AWG 24...AWG 10 Screw terminals 1 x 0.2...1 x 5.3 mm² for input - AWG 24...AWG 10
Local signalling	LED green for input status
Switching voltage	1 V DC turn-off 4 V DC turn-on
Input current limits	8...12 mA
Solid state output type	Zero voltage switching SCR output
Load current	0.15...10 A
Output sustained overvoltage	600 V
Surge current	120 A for 8.3 ms
Voltage drop	1.6 V on-state
Maximum I²t for fusing	60 A².s for 8.3 ms
Leakage current	<= 10 mA off-state
DV/Dt	500 V/µs off-state at maximum voltage
Response time	0.5 cycle turn-off 0.5 cycle turn-on

Environment

Standards	UL E258297 CSA LR 40487 IEC 60950-1 IEC 62314
Marking	CE
IP degree of protection	IP20
Ambient air temperature for operation	-40...80 °C
Ambient air temperature for storage	-40...125 °C

Ordering and shipping details

Category	22375 - INTERFACE MODULE(ABA,R,S)
Discount Schedule	CP2
GTIN	00785901687726
Nbr. of units in pkg.	1
Package weight(Lbs)	0.65
Stock Code	Stock - Normally stocked in distribution facility
Returnability	Y
Country of origin	MX

Offer Sustainability

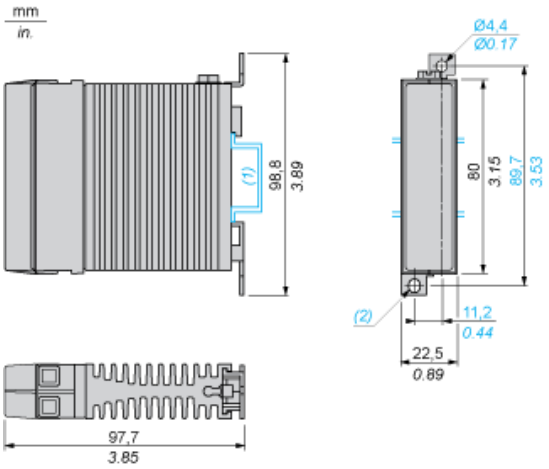
Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0940 - Schneider Electric declaration of conformity

Contractual warranty

Period	18 months

Dimensions

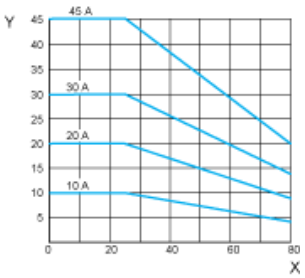
DIN Rail Mounting



(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.