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NOVA22 SERIES AC OUTPUT

DR2260A20V
DIN Rail SSR 22.5mm 600V ac 20A, 90-280V ac/dc In, ZC



- Load current 20, 30 and 35 A
- Operating voltage 48-600 VAC
- Control voltage 4-32 VDC and 90-280 VAC/VDC
- Relay or contactor configurations
- Load Monitoring Module available for contactor configuration

PRODUCT DESCRIPTION

NOVA22 solid state relays were developed combining technology and innovation to offer high performing solid state relays in a 22.5mm industrial package. The advanced design and technology used in NOVA22 products provide greater power density than any other 22.5 mm wide SSR in the market: 35 A in DIN rail mount and 95 A in Panel Mount package.

Wide and innovative range of connection
The unique range of terminal options and configurations makes NOVA22 the most versatile solution.

- Relay or contactor terminal configurations
- Screw or spring cage plug-in input terminals
- Standard or elevator screws, allowing the use of ring terminals

Diverse range of applications
NOVA22 solid State Relays can be used in a wide range of ac and dc applications. Ideal for heating applications, NOVA22s are also suitable for motion, power and lighting applications; especially for demanding applications that require higher levels of reliability including:

- Industrial OEMs: Plastic machinery, packaging and material handling equipment, industrial ovens, pumps
- Food & Beverage: Baking ovens, refrigeration, food processing equipment
- Building Equipment: HVAC&R, lighting, access control
- Energy & Infrastructure: Renewable Energy, water and waste water treatments
- Transportation: Railway vehicles, agricultural machinery

TECHNICAL DATA

OVERVIEW

Output current	20 A
Output voltage	48-600V ac
Control voltage	90-280V ac/dc
Connection	Screw connection
Type of control	Zero voltage turn on

OUTPUT SPECIFICATION

Output voltage	48-600V ac
Load current min	100 mA
Leakage current at V max, T=25°C max	1 mA

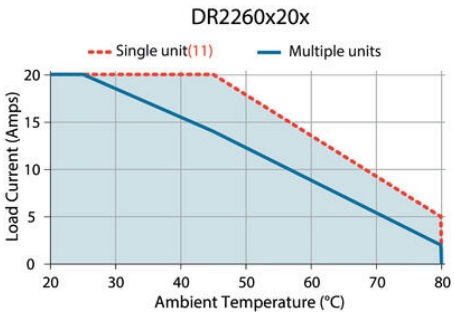
Peak voltage	1200 V
2421_Peak current (A)	286
Voltage drop over semiconductor at max	1.35 V
Number of poles	1
I2t value	409 A²s

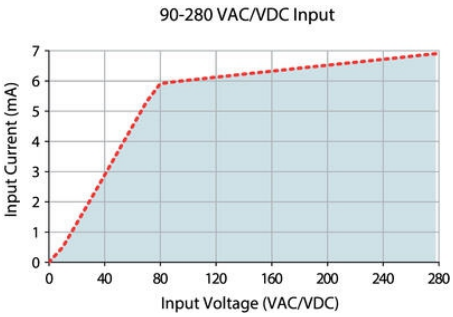
INPUT SPECIFICATION

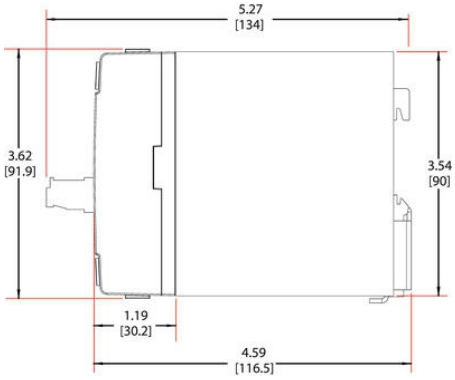
Control voltage	90-280V ac/dc
Turn-off voltage	5 V
Input current min	6 mA
Input current max	10 mA

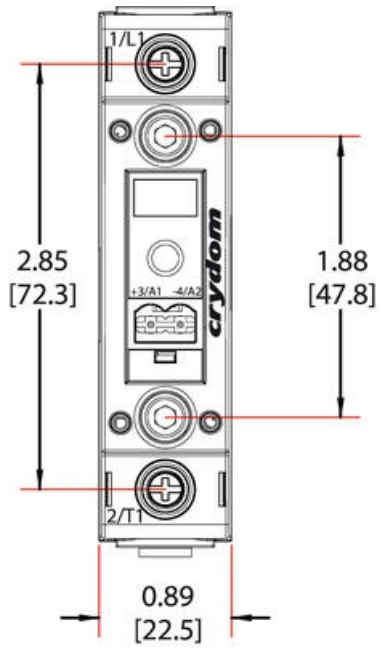
GENERAL SPECIFICATION

Insulation voltage in/out	4000 V
Temperature operational min	-40 °C
Temperature operational max	80 °C
Storage temperature max	100 °C
Storage temperature min	-40 °C
Weight	301 g
Height	91.9 mm
Width	22.5 mm
LED indication	Input status indication
Approvals	CE, CSA, EMC, UL
IP class	IP20








1/L1
2/T1
2.85
[72.3]
1.88
[47.8]
0.89
[22.5]
+3/A1
-4/A2
crydom