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# NOVA22 SERIES AC OUTPUT

DR2260A35WRJ
DIN Rail SSR 22.5mm 600V ac 35A, 90-280V ac/dc In, Inst.



- 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** | 35 A |
| **Output voltage** | 48-600V ac |
| **Control voltage** | 90-280V ac/dc |
| **Connection** | Spring connection |
| **Type of control** | Instantaneous turn on |

## OUTPUT SPECIFICATION

| | |
|---|---|
| **Output voltage** | 48-600V ac |
| **Load current min** | 150 mA |
| **Leakage current at V max, T=25°C max** | 1 mA |

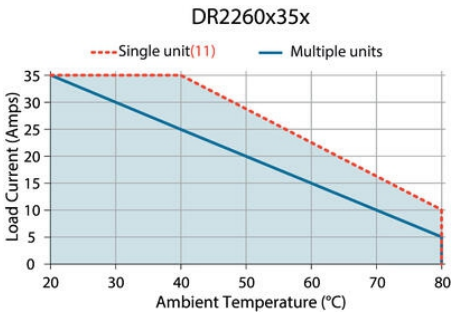
| | |
|---|---|
| **Peak voltage** | 1200 V |
| **2421_Peak current (A)** | 1290 |
| **Voltage drop over semiconductor at max** | 1.3 V |
| **Number of poles** | 1 |
| **I2t value** | 8320 A²s |

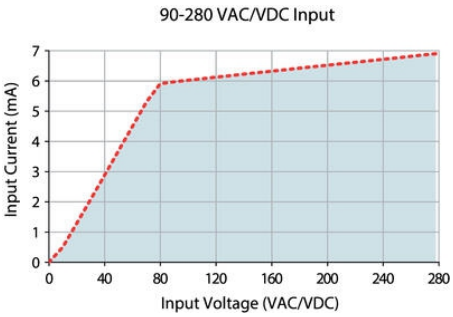
## INPUT SPECIFICATION

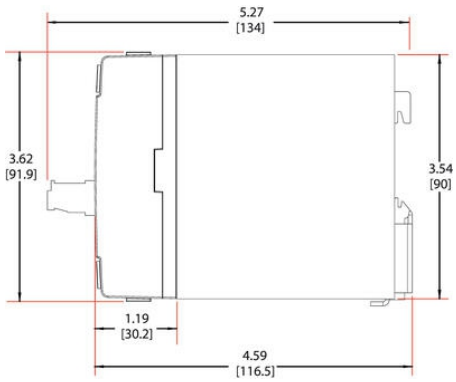
| | |
|---|---|
| **Control voltage** | 90-280V ac/dc |
| **Turn-off voltage** | 5 V |
| **Input current min** | 6 mA |
| **Input current max** | 10 mA |

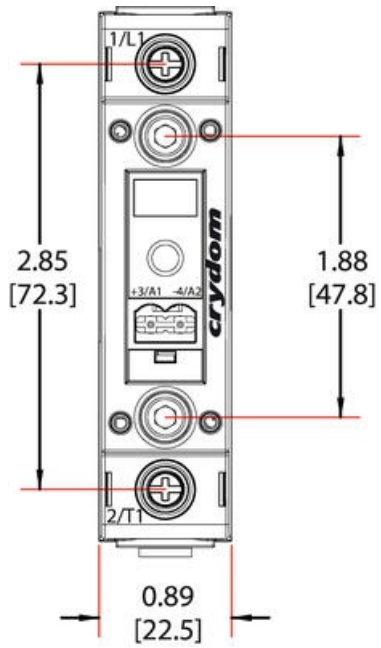
## GENERAL SPECIFICATION

| | |
|---|---|
| **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