



RDD series is small size, light weight, high efficiency, low noise, easy to use din rail / standard mount dual installation DC to DC power. It is widely used in mine exploration, metallurgy, optical control technology, medical equipment, industrial equipments, industrial control type customers, etc. It is freely to be use with other type of power supply, which converts original single output power to multiple outputs. Lower cost, solve stock problems, convenience to use, versatile usage.

**Output Volt.****3 ~ 24 VDC**

Other specifications required, please inquire us for details.

**Technical Parameters**

All the parameters below are tested at TA=25° C, nominal input voltage, rated output current.

**Input Parameters**

Linear speed rate 0.5% (low end- high end)

**Isolation Parameters**

Rated Isolation Volt. Non-isolated

**Environmental Parameters**

Operating Temperature - 15° C to + 50° C, Ambient  
 Operating Humidity 20 ~ 90 % RH, No Condensing  
 Storage Temperature -20° C to + 85 °C, Ambient  
 Vibration 2G, 10~500Hz, 3 axes

**Detail Specification of internal module**

Optional combining use with single module or dual module.  
 (Note: Max14.5VDC input voltage for NDS12 series combination use)

**Typical Product List:**

Model	Input Voltage	Output Voltage	Output Current (Convection)	Output Current Max. (Fan Cooling)	Ripple & Noise	Regulator Rate	Efficiency Full load	O.V.P
NDS12-3.3	10.5~14.5V	3.3V	7A	20A	10mV	1%	88% Ref.	4~4.2V
NDS12-05	10.5~14.5V	5V	7A	20A	10mV	1%	89% Ref.	6~6.3V
NDS24-3.3	8~32V	3.3V	3A	3A	10mV	1%	84% Ref.	4~4.5V
NDS24-05	8~32V	5V	3A	3A	10mV	1%	88% Ref.	5.6~6.2V
NDS24-12	15~32V	12V	2.5A	3A	80mV	1%	93% Ref.	15~18V
NDS115-05	15~115V	5V	1.3A	1.3A	30mV	1%	88% Ref.	6~6.3V
NDS115-12	18~115V	12V	1.2A	1.2A	30mV	1%	88% Ref.	15~18V
NDS115-24	30~115V	24V	1A	1A	30mV	1%	93.5% Ref.	31.4~34.7V

**CE Standards**

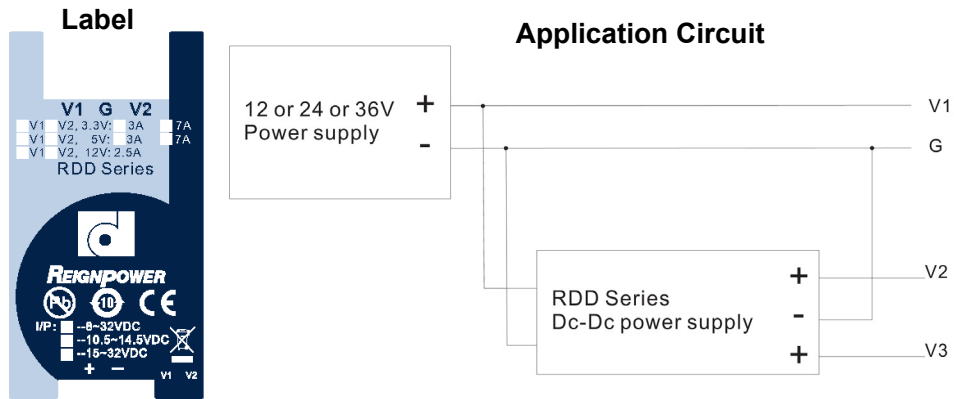
EN 55032, EN 55011, EN 61000-6-3.

**Safety Standards**

CE Marking



**Label and Application Circuit**

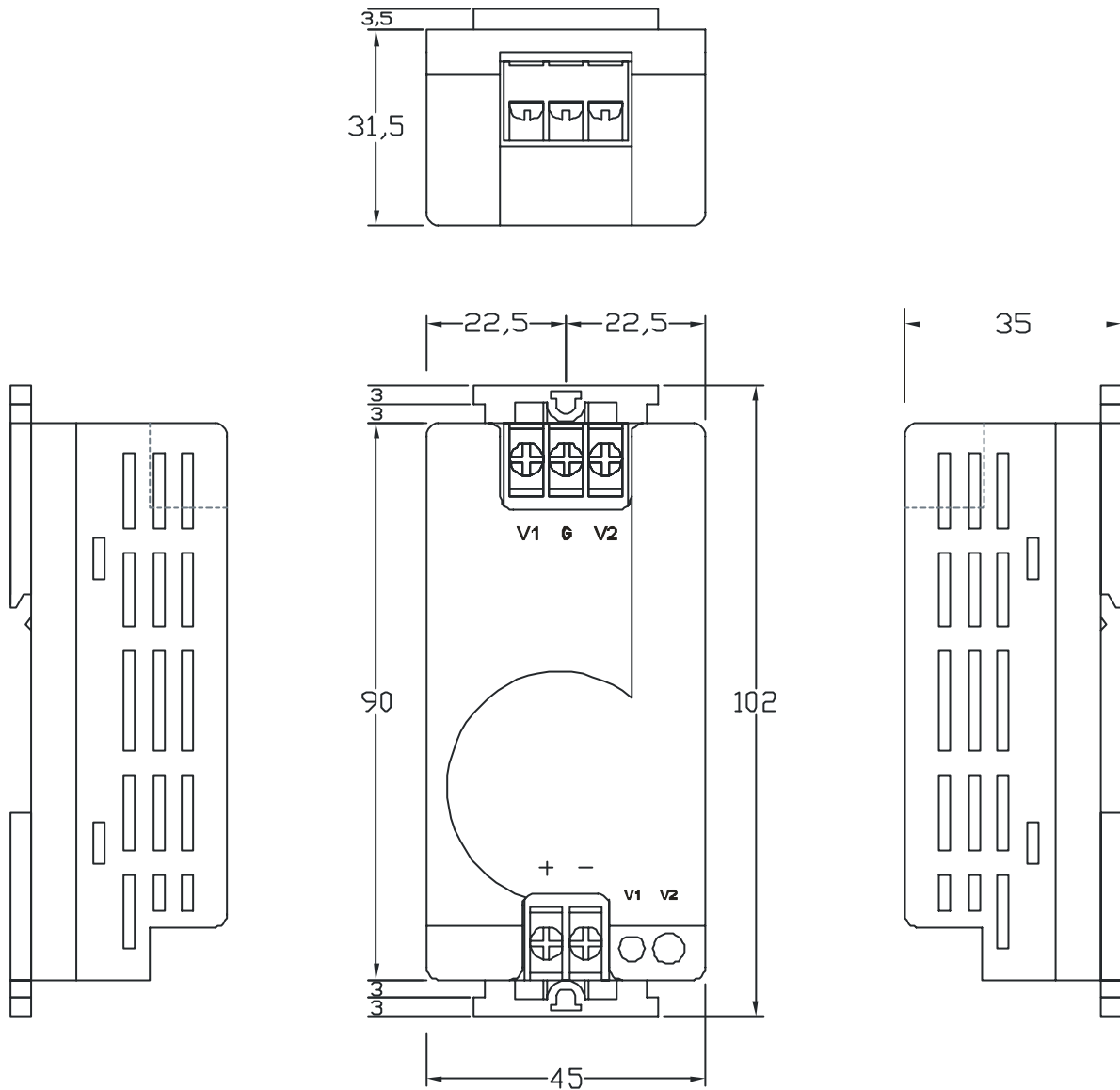


**NOTE :**

1. Each output can provide up to maximum load, but total load can not exceed rated output power.
2. Line regulation is measured from low line to high line at rated load.
3. Load regulation is measured from 20% to 100% of rated load at 12VDC input.
4. Ripple & Noise are measured with 20MHz oscilloscope at 12VDC by using a 20cm long 12" twisted pair-wire with a 0.1uF/630V metal capacitor & a 47uF electrolytic capacitor parallel on the test point.
5. Efficiency is measured at rated load and 12VDC input.
6. Reign Power reserve the right to change specifications at any time without notice.



**Mechanical Details**



CASE NO. : CS025D

UNIT : mm

DIMENSION : 102(H)\*35(D)\*45(W)

MATERIAL : PLASTIC

COLOR : GRAY

Symbol	Description
V1	DC V1 Positive Output Terminal
V2	DC V2 Positive Output Terminal
G	DC Output Grounding Terminal
+	DC Negative Input Terminal
-	DC Positive Input Terminal