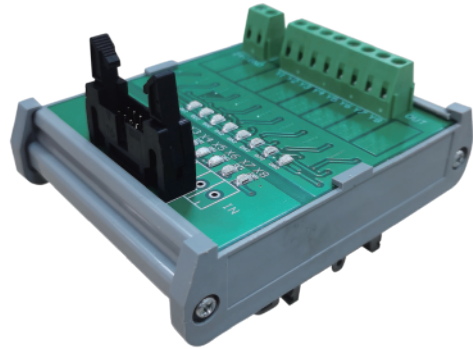


Product Description

DRK series multi-channel amplifier module suitable for PLC control, primarily designed for current amplification.



- ◆ Optical Isolation
- ◆ Load Current: 2A
- ◆ Control Voltage: 24VDC
- ◆ 35mm DIN Rail Mount
- ◆ RoHS Compliant
- ◆ LED Indication



Product Description

<b>DRK</b>	<b>8</b>	<b>A</b>	<b>24</b>	<b>D</b>	<b>2</b>	<b>-24</b>	<b>N</b>
DRK Series	Channel 8: 8 Channels	A: Common Anode K: Common Cathode	Load Voltage 24: 24VDC	Control type D: DC Control	Load Current 2: 2Amp	Control Voltage 24: 24VDC	Input Terminal N :Horn Plug Blank: Conventional Plug

Technical Specification

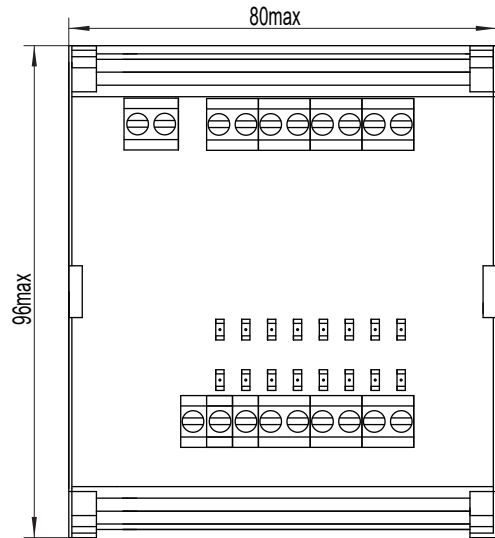
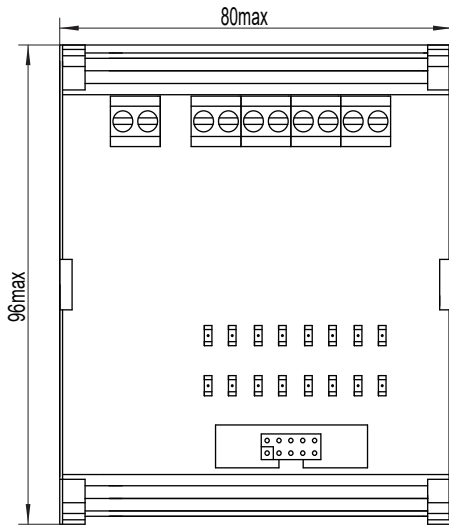
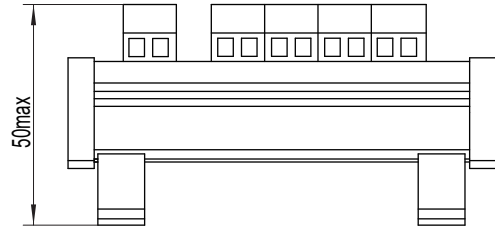
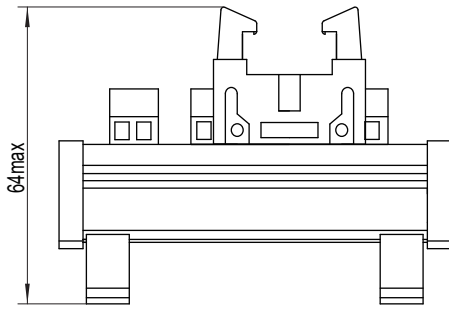
Input Specifications	
Control Voltage Range	19.2~28.8VDC
Must Turn-on Voltage	19.2VDC
Must Turn-off Voltage	1.0VDC
Maximum Control Current	5mA
Output Specifications	
Load Voltage Range	14~28VDC
TVS Breakdown Voltage Range	36~41VDC
Maximum Surge Current[@10ms]	10A
Maximum Turn-on Time	3ms
Maximum Turn-off Time	3ms
Load Current Range	0.02~2A
Maximum Off-state Leakage Current [@ Rated Voltage]	0.1mA
Maximum On-state Voltage Drop [@ Rated Current]	0.5Vrms
General Specifications	
Dielectric Strength (Input/Output)	2500Vrms
Insulation Resistance (@500VDC)	1000MΩ
Ambient Operating Temperature Range	-30°C ~ +80°C
Ambient Storage Temperature Range	-30°C ~ +100°C
Weight (Typical)	130g

Application

Suitable for PLC control.

Installation

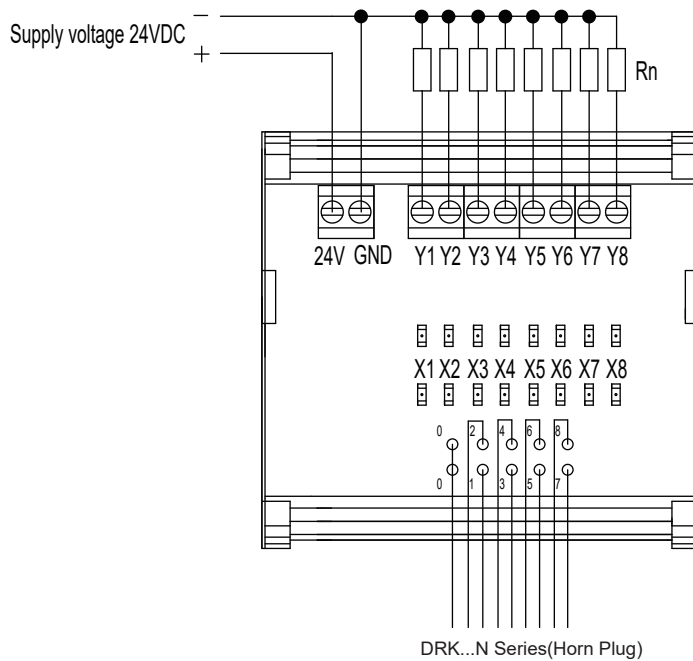
Unit: mm

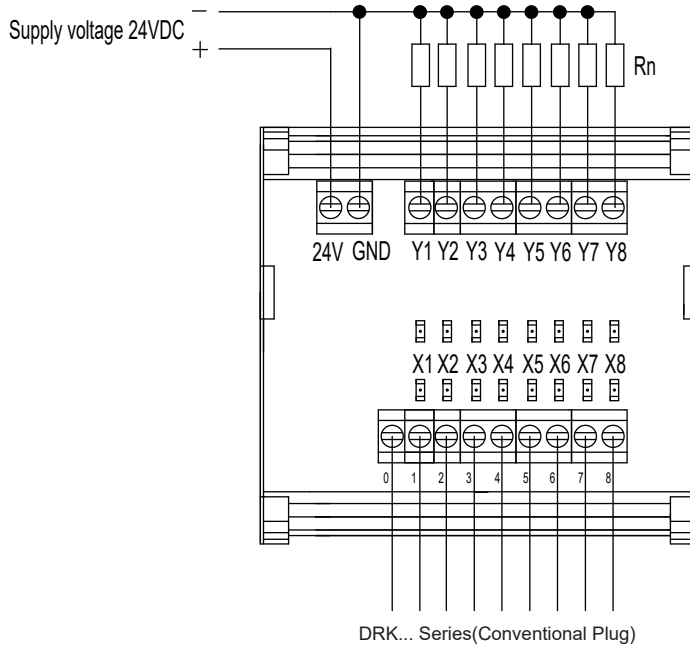


DRK...N Series (Horn Plug)

DRK... Series (Conventional Plug)

Wiring Diagram





Common Anode: Common terminal: 0 (24V positive)

Input terminal: 1-8 (24V negative)

Common Cathode: Common terminal: 0 (24V negative)

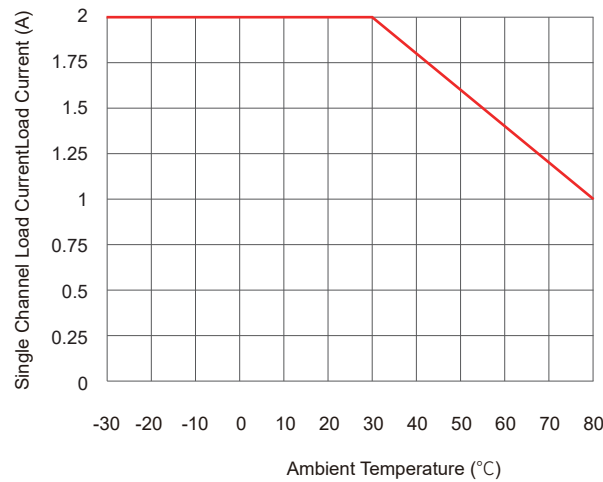
Input terminal: 1-8 (24V positive)

$R_n$  is the load;

Y1-Y8 are the output terminals, and the corresponding LEDs serve as indicator lights for each respective channel.

X1-X8 are the output terminals, and the corresponding LEDs serve as indicator lights for each respective channel.

### Thermal Derating Curve



### General Notes

1. Ensure the polarity of the control terminals is correct; otherwise, the product may be damaged.
2. When the operating ambient temperature is high, please refer to the temperature curve for derating usage.
3. During use, special attention should be paid to electrostatic discharge (ESD) protection.
4. Capacitive loads can generate extremely high surge currents at the moment of conduction, which may cause damage to solid-state relays due to excessive surge currents. Therefore, if the load is a capacitive load or has a parallel large capacitor, it is strongly recommended to connect NTC in series in the load circuit to suppress surge current and avoid damaging the product.

### ! Warnings

1. Disconnect all power before installing or working with this equipment.
2. Verify all connections and replace all covers before turning on power.