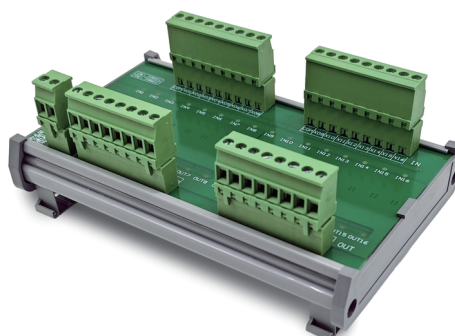


Product Description

- ◆ Optical isolation
- ◆ Load Current: 2A
- ◆ Control Voltage: 24VDC
- ◆ DIN-rail Mount
- ◆ RoHS Compliant
- ◆ LED Indicator



Product Selection

DRK	8	N	24	D	2	-24	(XXX)
DRK Series	Channel 8: 8 Channels 16: 16 Channels	N: Non-polarized input	Load Voltage 24: 24VDC	Control Mode D: DC Control	Load Current 2: 2Amp	Control Voltage 24: 24VDC	Customized Code

Technical Specifications

Input Specifications (Ta=25°C)	Condition	Symbol	Model	Min	Typ	Max	Unit
Control Voltage		U_c		19.2		28.8	VDC
Must Turn-off Voltage		$U_{c\ off}$			1		VDC
Control Current (single channel)						5	mA

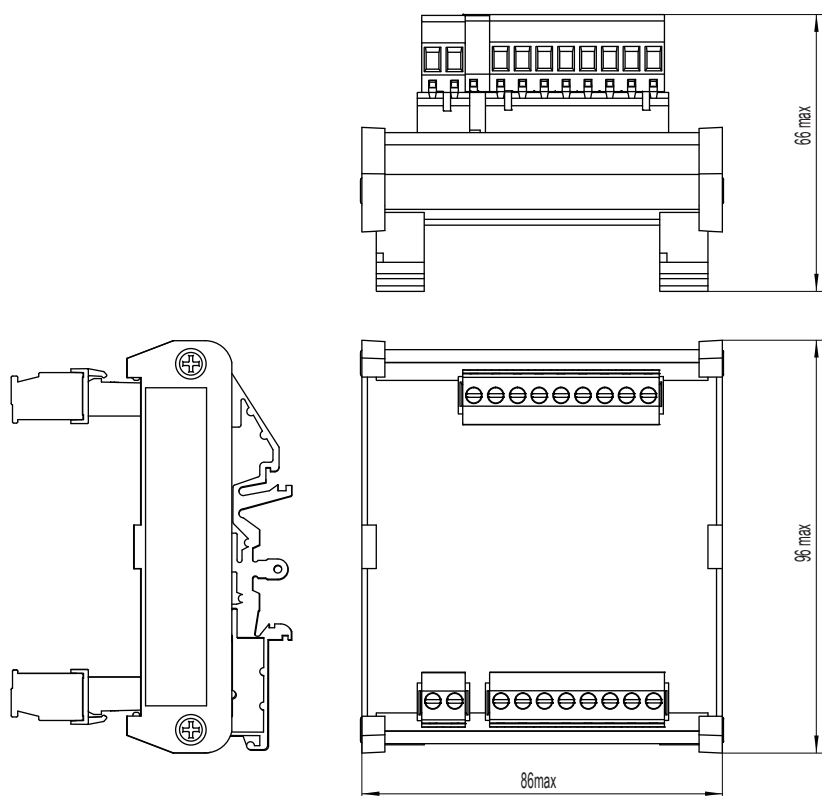
Output Specifications (Ta=25°C)	Condition	Symbol	Model	Min	Typ	Max	Unit
Load Voltage		U_e		14		30	VDC
Load Current		I_e		0.02		2	A
Turn-On Time		t_{on}				3	ms
Turn-Off Time		t_{off}				3	ms
Off-State Leakage Current	@ Rated Load Voltage	I_{lk}				0.1	mA
On-State Resistance	@25°C	R_d				55	mΩ
Non-repetitive Surge Current		I_{TSM}			10		A

General Specifications (Ta=25°C)	Condition	Symbol	Model	Min	Typ	Max	Unit
Dielectric Strength	Input/Output	V_{ISO}			2500		Vrms
Insulation Resistance	@ 500VDC	R_{ISO}			1000		MΩ
Operating Temperature		T_{OPR}		-30		+80	°C
Storage Temperature		T_{SPR}		-30		+100	°C
Weight			8 Channels		130		g
			16 Channels		280		g

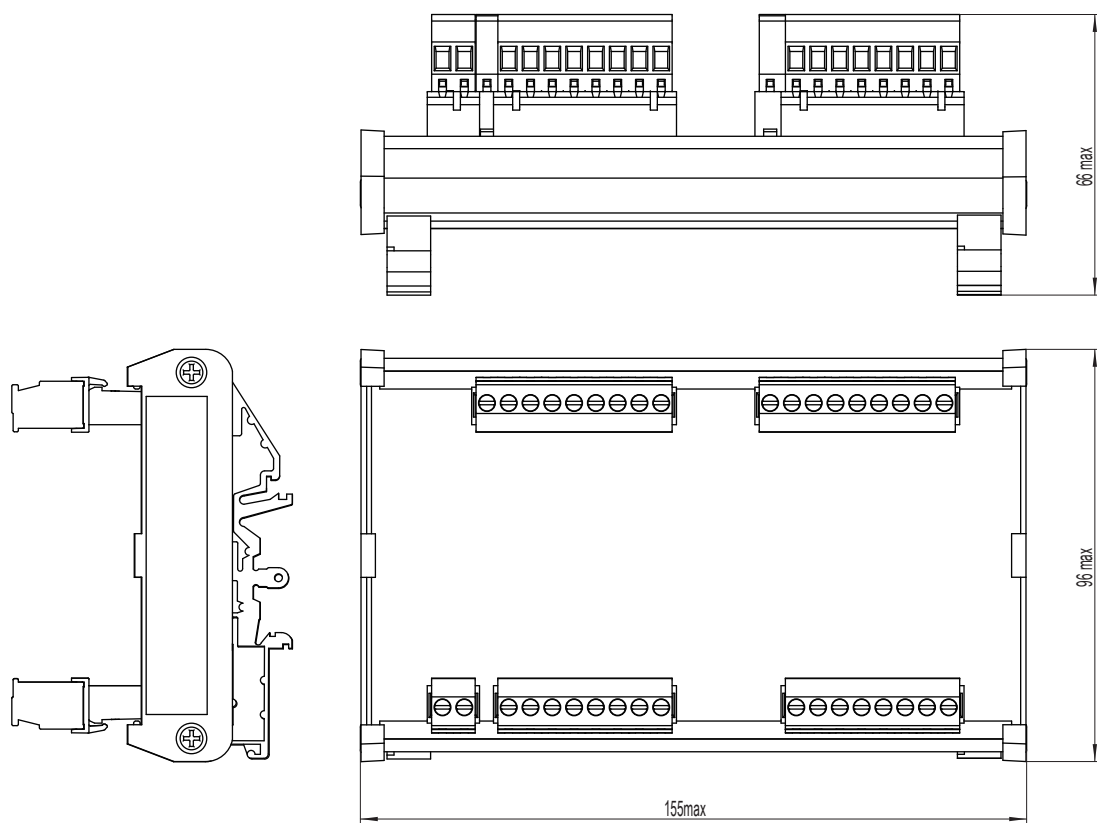
Applications

Suitable for PLC.

Outline Dimensions

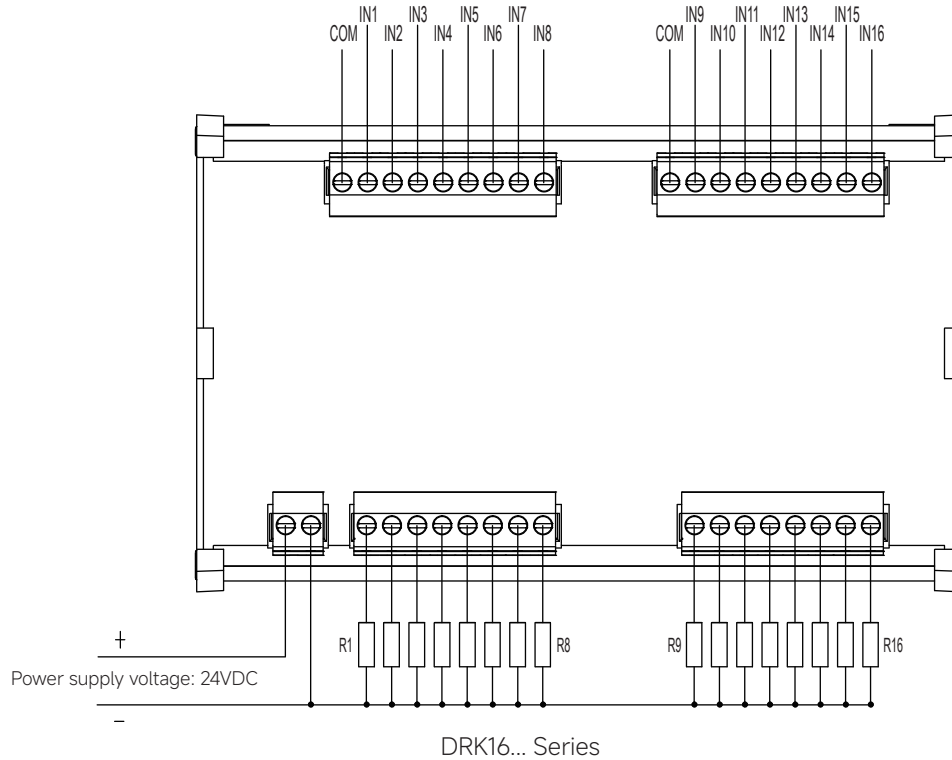
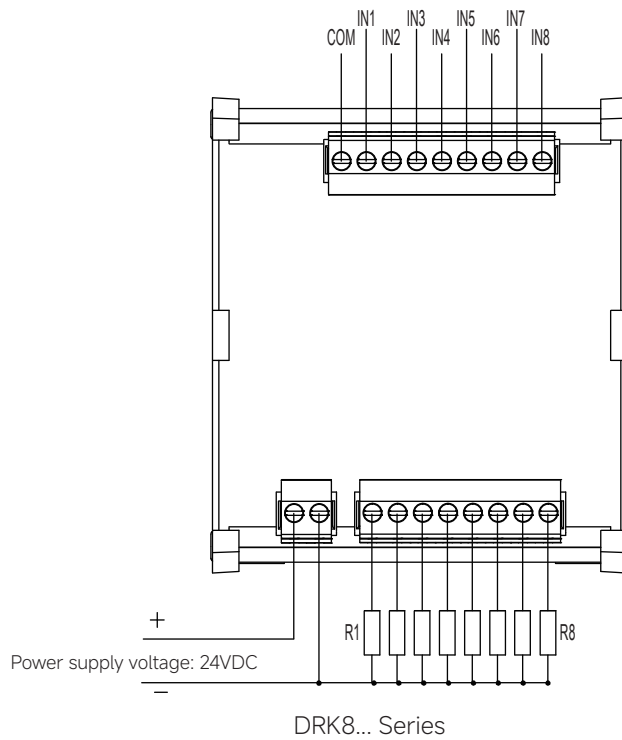


DRK8... Series

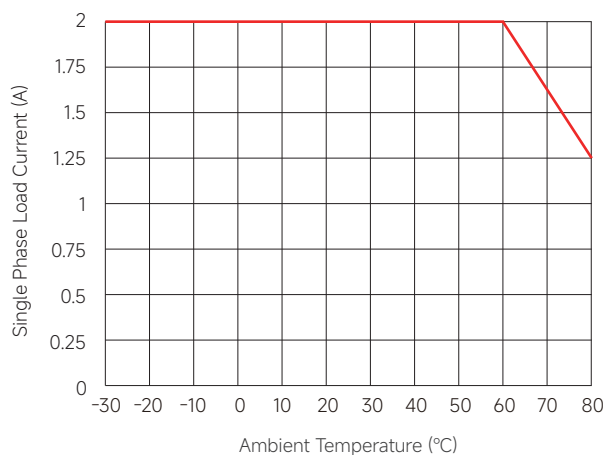


DRK16... Series

Wiring Diagram



Note: For positive input, connect the COM terminal to the negative;
For negative input, connect the COM terminal to the positive.

Thermal Derating Curve

- Note: 1. The current-carrying capacity of the wiring terminals and PCB is limited, single channel load current shall not exceed 2A. The total current per group (8 channels) must not exceed 11A, the total current for 2 groups (16 channels) must not exceed 15A.
2. Each group (8 channels) is protected by a 15A fuse.

General Notes

- When ambient temperature is above 25°C, the maximum load current decreases. See thermal derating curve.

**Warnings**

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