
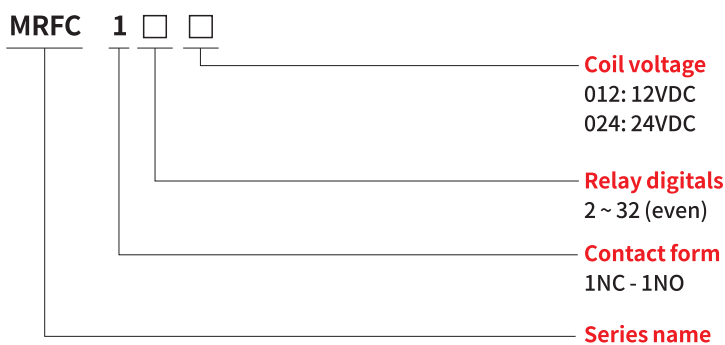
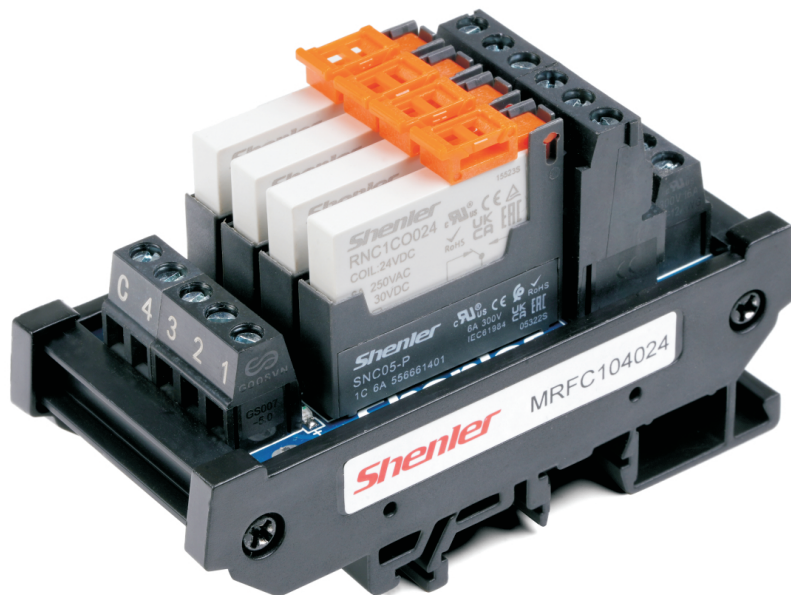


◆ **Application**

It is used for PLC output load current amplification and isolation protection. It is installed in the digital output terminal of PLC, MCU industrial control board, time relay, button and other controllers. It amplifies the output current of the output terminal for high-power equipment and weak current control. In such occasions, to protect the control system core is not destroyed.

◆ **Characteristics**

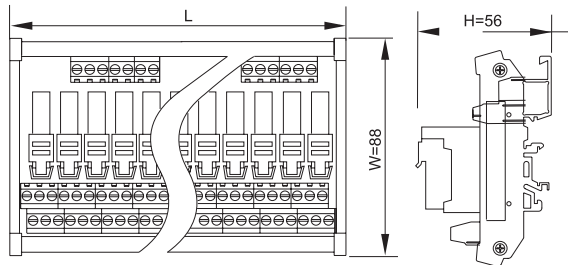
- ◆ Built-in RNC1CO series relay. It conforms to 
- ◆ Quick installation of 35mm U-type and E-type industrial DIN rail
- ◆ DC input with diode freewheeling protection, input with LED display
- ◆ Input NPN and PNP compatible
- ◆ Supports customization, please consult our staff for more module models



**Technical Parameters (MRFC1 Series)**

Input (Coil)	
Norminal input voltage	DC 12V / DC 24V
Norminal current	48mA / 26mA
Minimum start voltage	DC12V: 90%Ue; DC24V: 85Ue
Drop-out voltage	DC: 10%Ue; AC: 30%Ue
Start time	≤ 20ms
Drop-out time	≤ 10ms
Output (Contact)	
Contact structure	1 NC - 1 NO / SPDT (Single pole double throw)
Resistive load	6A / 250 VAC, 30 VDC
Motor resistive	1 / 3HP, 240VAC
Minimum applicable load	5VDC / 100mA
Electrical durability	≥6 x 10 <sup>4</sup> Cycles (1800 Ops/h)
Mechanical durability	≥2000 x 10 <sup>4</sup> Cycles (1800 Ops/h)
Material	Ag alloy
General Data	
Power per group	DC about 0.6W; AC about 1W
Action display	LED display
Ambient temprature	-40 ~ + 55°C (No icing)
Ambient humidity	5 ~ 85% RH (No condensation)
Terminal wiring specication	0.2 ~ 2.5mm <sup>2</sup> (26 ~ 12WG)
Torque	0.4Nm
Stripping length	6 ~ 8mm

**Dimensions (mm)**



Width=88, Height=56,  
Length see the table below (mm)

Digit	04	08	16	32
L	40	70	137	272

Note: Any other digits can be customized.

**Wiring Diagrams**

1. 2...n is the input control terminal for each bit, and COM/C is the common terminal

