NPFSR-K122YMD

Input: E-STOP, Safety gate
Output: 2NO, non-delay + 2NO, d-delay

The inputs of K series E-STOP, safety gate input safety relays are normally closed contact signals, which are used for emergency braking or the protection of people entering dangerous areas, and widely used in machining and other industries.

- 1oo2 architecture
- With detection of shorts across contacts
- With monitored manual reset function
- The safety function remains effective in the case of a component failure
- The correct opening and closing of the safety function relays is tested automatically in each on-off cycle

Voltage range	24V DC
Voltage tolerance	0.85 ~ 1.1
Power dissipation	3.8W/24V DC
Current consumption	50mA/24V DC
Cable resistance	
Input devices	E-STOP button, Safety gate
Signal type	2 NO, non-delay + 2 NO, d-delay
Contact type	Forced guided
Contact material	$AgSnO_2$
Contact loading	AC-15: 3A/230V, DC-13: 3A/24V
Contact fuse protection	10A gL/gG(NO)
Delay time T_{set}	0.1~80s, default 10s
Delay time accuracy	±15%
Switch-on	
Release	
Recovery time	
Supply short interruption	20ms
EMC	According to IEC/EN 60947, IEC 61326-3-1, IEC/EN 61000-6-2, IEC/EN 61000-6-4
Rated insulation voltage	250V AC
Rated impulse voltage	6000V(1.2/50us)
Dielectric strength	1500V AC, 1 min
Clearance and creepage	According to IEC 60947-1
Vibration	10Hz ~ 55Hz, 0.35mm
Overvoltage category	III
Pollution degree	2
Protection type	IP20
Ambient temperature	-20°C ~ +60°C
Storage temperature	-40°C ~ +80°C
Operating altitude	
Mechanical life	10×10
	-20SILForcCL°C ~ +HFT life2
	2
	2
	2
	2
	2

Functional Block Diagram

