NGDOLAOV RS8-P107NK

NGDOLAOV RS8-P107NK Fast Fuse Instruction Manual

Model: RS8-P107NK Series

1. Introduction

This manual provides essential information for the safe and effective use of the NGDOLAOV RS8-P107NK series fast fuses. These fuses are designed for high-speed circuit protection in various electrical applications, particularly for PCB (Printed Circuit Board) installations. Please read this manual thoroughly before installation and operation to ensure proper function and safety.

2. Safety Information

WARNING: Electrical shock hazard. High voltage and current are present. Improper installation or handling can result in serious injury or death.

- Always disconnect power to the circuit before installing, inspecting, or replacing fuses.
- Installation and maintenance should only be performed by qualified electrical personnel.
- Ensure the fuse rating (voltage and current) matches the circuit requirements.
- Do not bypass or use fuses with incorrect ratings.
- Wear appropriate personal protective equipment (PPE), including insulated gloves and eye protection.
- Inspect fuses for any physical damage before installation. Do not use damaged fuses.

3. Product Overview

The NGDOLAOV RS8-P107NK is a fast-acting cartridge fuse designed for robust overcurrent protection. It features a ceramic body and metal end caps, suitable for high voltage and current applications. The series includes various current ratings from 2000A to 3800A at 500V.

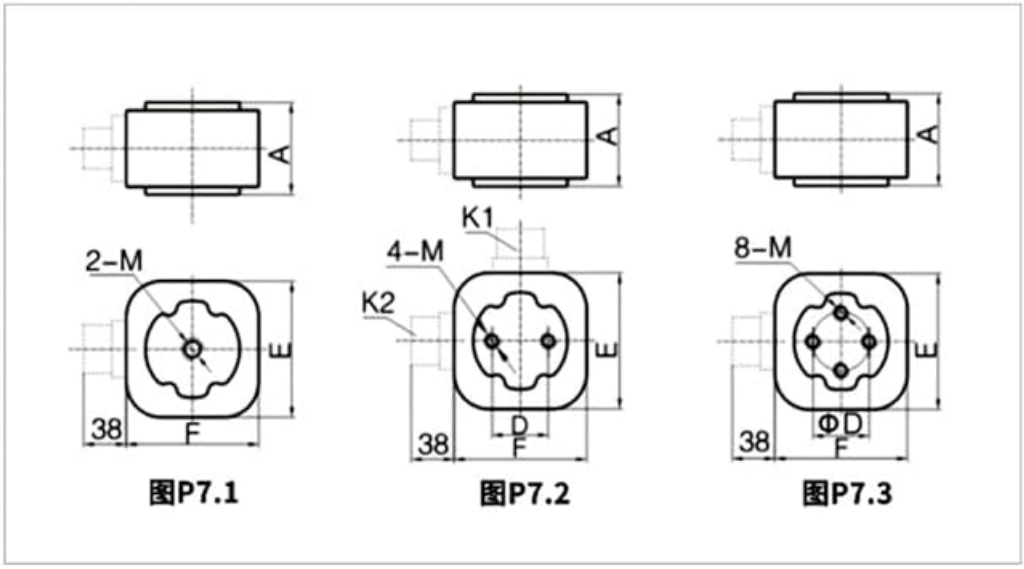


Figure 3.1: Front view of the NGDOLAOV RS8-P107NK Fast Fuse, showing its ceramic body, metal end caps, and rating labels.

4. Specifications

The NGDOLAOV RS8-P107NK series fuses offer various current ratings and are built to precise dimensions for reliable performance.

品　　牌		名　　称	快速熔断器
产品型号	RSY-P107NK	外壳材质	陶瓷材质
额定电压	500V/800V/1000V	熔　　片	999纯银熔片
备　　注	此产品分为单孔M16 双孔M12 四孔M12可选，如需请联系客服		



序号	型号	额定电压(v)	额定电流(A)	结构	外形尺寸(mm)									图号
					A	B	C	D	E	F	H	M		
	RSY-P1m107N	380	1600,1800,2000,		60									
	RSY-P1m107N	500												

1	RSY-P1m107N	800	2200,2300,2400, 2500,2600,2800, 3000,3200	P1m	80				118	118		M16		P7.1
	RSY-P1m107N	1000			100									
	RSY-P1m107N	1250												
2	RSY-P2m107N	380	1600,1800,2000, 2200,2300,2400, 2500,2600,2800, 3000,3200	P2m	60			50	118	118		M12		P7.2
	RSY-P2m107N	500												
	RSY-P2m107N	800			80									
	RSY-P2m107N	1000			100									
	RSY-P2m107N	1250												
3	RSY-P4m107N	380	1600,1800,2000, 2200,2300,2400, 2500,2600,2800, 3000,3200	P4m	60			50	118	118		M12		P7.3
	RSY-P4m107N	500												
	RSY-P4m107N	800			80									
	RSY-P4m107N	1000			100									
	RSY-P4m107N	1250												
4	RSY-P1m107S	380	2000,2200,2300, 2400,2500,2600, 2800,3000.3200, 3400,3600,3800, (4000)	P1m	60				118	118		M16		P7.1
	RSY-P1m107S	500												
	RSY-P1m107S	800			80									
	RSY-P1m107S	1000			100									
	RSY-P1m107S	1250												
5	RSY-P2m107S	380	2000,2200,2300, 2400,2500,2600, 2800,3000.3200, 3400,3600,3800, (4000)	P2m	60			50	118	118		M12		P7.2
	RSY-P2m107S	500												
	RSY-P2m107S	800			80									
	RSY-P2m107S	1000			100									
	RSY-P2m107S	1250												
6	RSY-P4m107S	380	2000,2200,2300, 2400,2500,2600, 2800,3000.3200, 3400,3600,3800, (4000)	P4m	60			50	118	118		M12		P7.3
	RSY-P4m107S	500												
	RSY-P4m107S	800			80									
	RSY-P4m107S	1000			100									
	RSY-P4m107S	1250												



*注：仅展示部分产品，如需更多产品请联系在线客服

Figure 4.1: Technical drawing illustrating the dimensions and various models within the NGDOLAOV RS8-P107NK series, including voltage and current ratings.

General Specifications:

- **Voltage Rating:** 500V
- **Current Ratings:** 2000A, 2400A, 2800A, 3000A, 3400A, 3600A, 3800A
- **Fuse Type:** Fast-acting cartridge fuse (aR type)
- **Application:** PCB Fuses

Physical Specifications:

Attribute	Value
Package Dimensions	1.18 x 0.79 x 0.39 inches

Attribute	Value
Item Weight	1.76 ounces
Manufacturer	NGDOLAOV
Assembly Required	No
Number of Pieces	1

5. Installation and Setup

Proper installation is critical for the safe and effective operation of the fuse. Refer to the technical drawing (Figure 4.1) for specific dimensions and mounting configurations (e.g., P1m, P2m, P4m) relevant to your application.

1. **Power Disconnection:** Ensure all power to the circuit is completely disconnected and verified before beginning installation.
2. **Fuse Holder/Mounting:** Install the fuse into an appropriate fuse holder or mounting mechanism designed for its specific dimensions and current rating. Ensure secure connections to prevent arcing or overheating.
3. **Orientation:** While fuses generally do not have a specific orientation for electrical function, ensure it is seated correctly within its holder.
4. **Verification:** After installation, double-check all connections and ensure the fuse is properly seated.
5. **Power Restoration:** Carefully restore power to the circuit and monitor for proper operation.

6. Operating Principles

A fast fuse, such as the NGDOLAOV RS8-P107NK, is a safety device designed to protect electrical circuits from overcurrent conditions. When the current flowing through the fuse exceeds its rated value for a specified duration, the internal element melts, creating an open circuit and interrupting the current flow. This rapid response prevents damage to sensitive components and wiring downstream.

- **Overcurrent Protection:** The primary function is to protect against overloads and short circuits.
- **Fast-Acting:** Designed to interrupt current quickly, which is crucial for protecting semiconductor devices and other components sensitive to transient overcurrents.
- **Non-Resettable:** Once a fuse blows, it must be replaced. It is a single-use protective device.

7. Maintenance

Fuses are generally maintenance-free components. However, periodic inspection is recommended to ensure continued circuit integrity.

- **Visual Inspection:** Periodically inspect fuses for any signs of physical damage, discoloration, or loose connections.
- **Replacement:** If a fuse blows, it indicates an overcurrent event. Always replace a blown fuse with a new fuse of the exact same voltage and current rating from the same series (NGDOLAOV RS8-P107NK). Never use a fuse with a higher rating or bypass a fuse.
- **Cleaning:** Keep the fuse and its holder free from dust and debris to ensure proper heat dissipation and electrical contact.

8. Troubleshooting

The primary troubleshooting scenario for a fuse involves it blowing.

- **Fuse Blows Immediately After Replacement:** This indicates a persistent short circuit or severe overload in the protected circuit. Do not replace the fuse again until the underlying fault has been identified and corrected by a qualified technician.
- **Fuse Blows Intermittently:** This could be due to intermittent overloads, transient surges, or a component nearing failure. Investigate the circuit for intermittent faults or components drawing excessive current.
- **Circuit Not Functioning (Fuse Intact):** If the circuit is not working but the fuse appears intact, the issue lies elsewhere in the circuit. Check other components, wiring, or power supply.

Always disconnect power before troubleshooting any electrical circuit.

9. Warranty and Support

For warranty information, technical support, or inquiries regarding the NGDOLAOV RS8-P107NK fast fuses, please contact your original point of purchase or the manufacturer directly. Ensure you have your purchase details and the specific model information (RS8-P107NK) available when contacting support.
Manufacturer: NGDOLAOV

© 2023 NGDOLAOV. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question