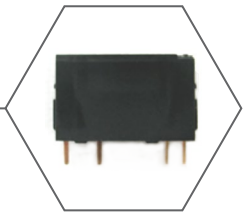


## New Product Introduction

# Power Relays (Over 2A)

## New PA-N Series Relays Suitable for Programmable Logic Controllers



1 Form A 5A Slim Power Relays For PLCs And Interfaces That Comply With IEC61010 Reinforced Insulation

Panasonic, a worldwide leader in Relay Products, introduces the NEW PA-N Series of Power Relays. The PA-N Series Relays have been developed to comply with the International Electromechanical Commission (IEC) standards and are certified to the Underwriters Laboratories (UL) Inc.'s standards for programmable logic controllers used to control production facilities at factories. The PA-N Series achieves a high breakdown voltage of 3,000 V, as well as showing excellent shock resistance and low power consumption. They assist PLC (Programmable Logic Controller) manufacturers to develop products that are compatible with the new standards. PA-N Series products are suitable to switch maximum of 5A at 250Vac and 30Vdc. These slim 1formA Relays comply with the new PLC safety standard IEC61010 reinforced insulation.

Industrial equipment used in factories needs to be safe and reliable. Changes are planned to be made to the European IEC standards and the UL standards of the United States to impose further safety requirements on PLCs, such as securing better insulation to prevent accident. PLC manufacturers are urgently developing products to meet the new standards, and highly reliable products compliant with the new standards are being sought for relays that control the output from PLCs. In response to these developments, Panasonic has modified the internal structure of the PA-N Series Relay to improve its breakdown voltage from 2,000 V to 3,000 V to make it compatible with the new standards.

### Features

- Reinforced Insulation Compliant: Complies with IEC61010
- ANSI/ISA 12.12.01 Compliant
- Slim Size: 5 mm(W) x 20 mm(D) x 12.5 mm(H) Permits Higher Density Mounting
- Low Operating Power: 110 mW
- Insulation Distance (Between Contact and Coil):  
Clearance Distance: Min. 5.29 mm Creepage Distance: Min. 5.35 mm
- High Surge Breakdown Voltage: 6,000 V
- High Breakdown Voltage: 3,000 V
- RoHS / REACH Compliant
- UL/C-UL, TUV Approved

### Benefits

- Excellent Shock Resistance Prevents Malfunction of Industrial Equipment and Contributes to Improved Safety and Reliability
- Reduction of Coil Power Consumption By Approximately 10% from Conventional Relay Products Contributes To The Enhancement of Energy Efficiency Of Industrial Equipment
- Complies With Standards for Explosion-Proof and Dust-Ignition-Proof
- Takes Up Less Board Space

### Applications

- Industrial and Office Equipment
- Measuring Devices
- Test Equipment
- Interface Relays for Programmable Controllers
- Output Relays in Small Devices Such As Timers, Counters, Sensors and Temperature Controllers

### Industries

Factory Automation  
Interface for Controllers



RELAYS

