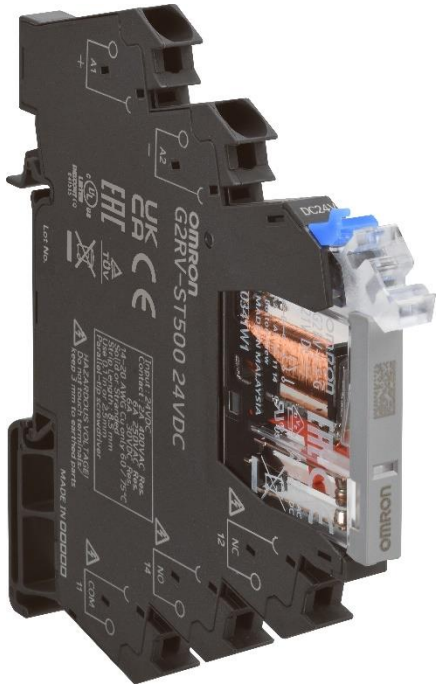
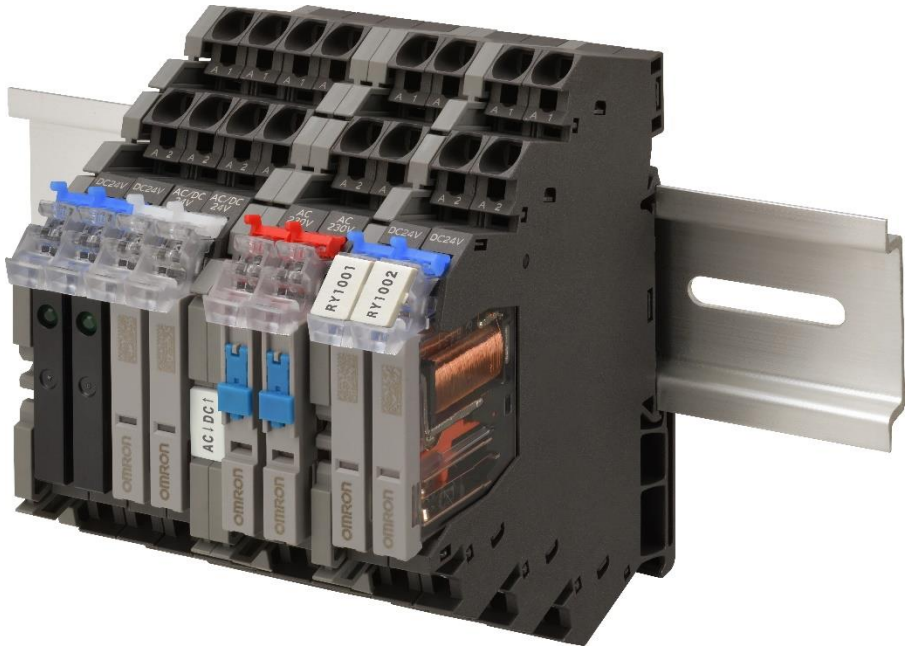


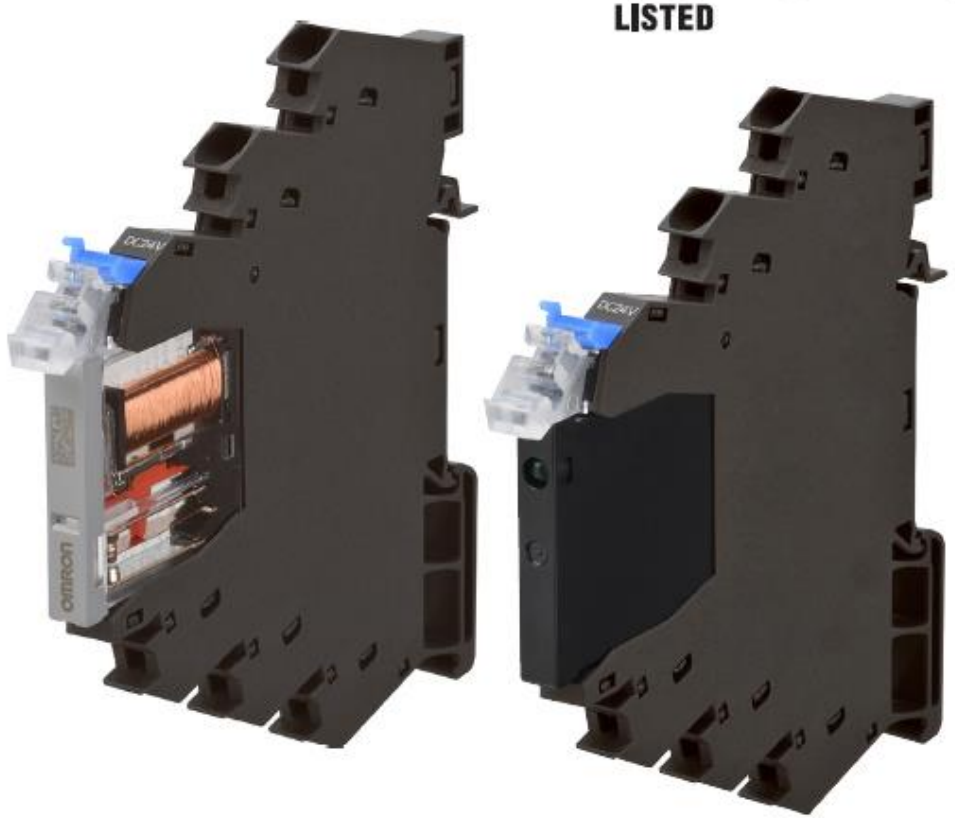


Omron Slim Relay Product Training Module

G2RV-ST & G3RV-ST Slim Relays

What is it?!

- Improved 6mm Slim Relays
- Fast Switching Speed for PLC Outputs
- Mechanical and Solid State Options



Model Number Legend

G2RV-ST □□ □ - □ □
(1) (2) (3) (4) (5) (6)

(1) Basic model name
G2RV: Slim I/O Relay

(2) Sub type
ST: Slim relay + integrated low profile socket

(3) Terminal (wire connection)
50: Push-In Plus Terminal
70: Screw terminal

(4) Latching lever (test switch)
0: Without latching lever
1: With latching lever

(5) Contact structure
Blank: Standard
AP: Microloads

(6) Rated input voltage
12, 24 VDC
24, 48 VAC/VDC
100, 110, 200, 230 VAC

Model Number Legend

G3RV-ST □□□ - □ - □ □
(1) (2) (3) (4) (5) (6)

(1) Basic model name
G3RV: Slim I/O Solid State Relay

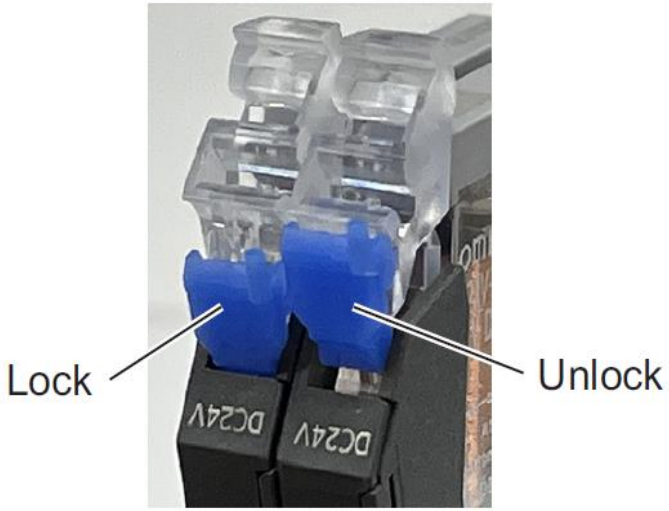
(2) Sub type
ST: Slim solid relay + integrated low profile socket

(3) Terminal (wire connection)
500: Push-In Plus Terminal
700: Screw terminal

(4) Output voltage specification
A : AC output (triac) zero cross function available
AL : AC output (triac) zero cross function not available
D : DC output (MOS FET)

(5) Operation and release time
H : High speed type

(6) Rated voltage input
12, 24 VDC
24, 48 VAC/VDC
100, 110, 200, 230 VAC



Introduction

Why is this product important?

- Improved Next Gen Features
  - Slim relays save up to 60% panel space
  - Improved relay socket and locking lever arm
  - Upgraded Wire terminal openings for easy wire termination
  - Better visibility for terminal markings and LED indicator
  - Industry leading switching performance designed for PLC outputs
- Solving Customer Problems
  - Improved general usability making it easier for customers to install, operate and maintain
  - Enables customers to increase panel density by installing more components into the same amount of space
  - Allows for use with a wider range of applications, such as fast switching PLC outputs

Product Positioning

- Is this a new technology to the marketplace?
  - Not a new technology, but a 2nd generation product
- Key features and advantages:
  - Secure locking lever arm and socket enclosure for relay
  - Push-In Plus wiring available
  - Increased visibility for terminal markings and LED indicator
  - Vibration resistance
  - Industry leading switching performance characteristics (PLC outputs)
  - Designed with Omron's Value for Panel Building methodology (unified component dimensions to optimize panel space)

Target Industries & Applications

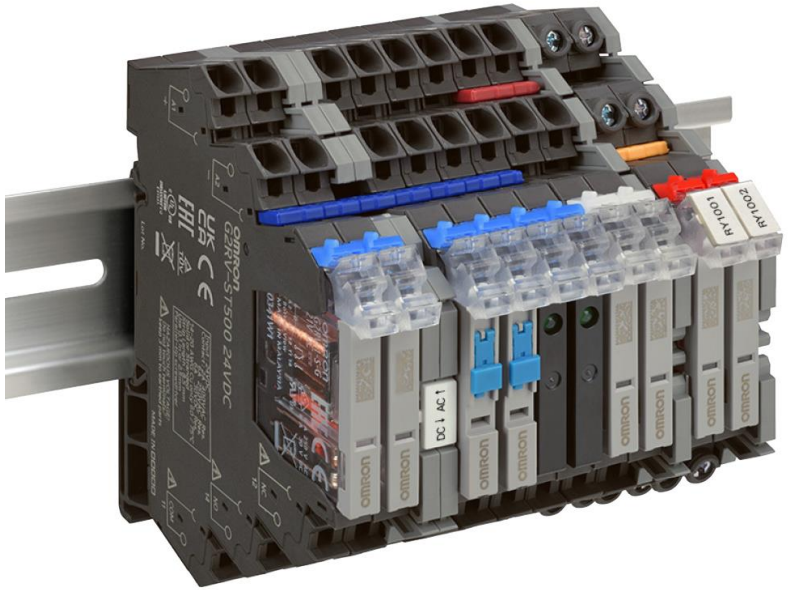
- Markets/Industries
  - All industries and customers
    - Relays are used everywhere for nearly every application
  - Examples: Food processing machines, packaging machinery, palletizer/de-palletizer, assembly lines, material handling systems, robotic cells, power-press, body transfer lines, folding or brake presses, filter presses, punching machines, machine tending, printing machines, corrugating machines, and the list goes on….

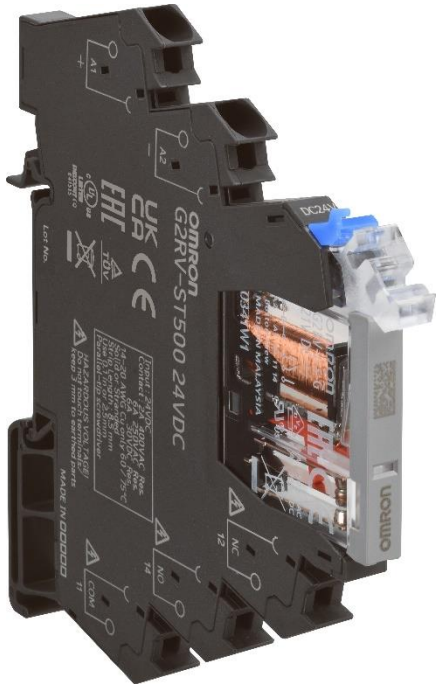
How to Target Customers & Applications

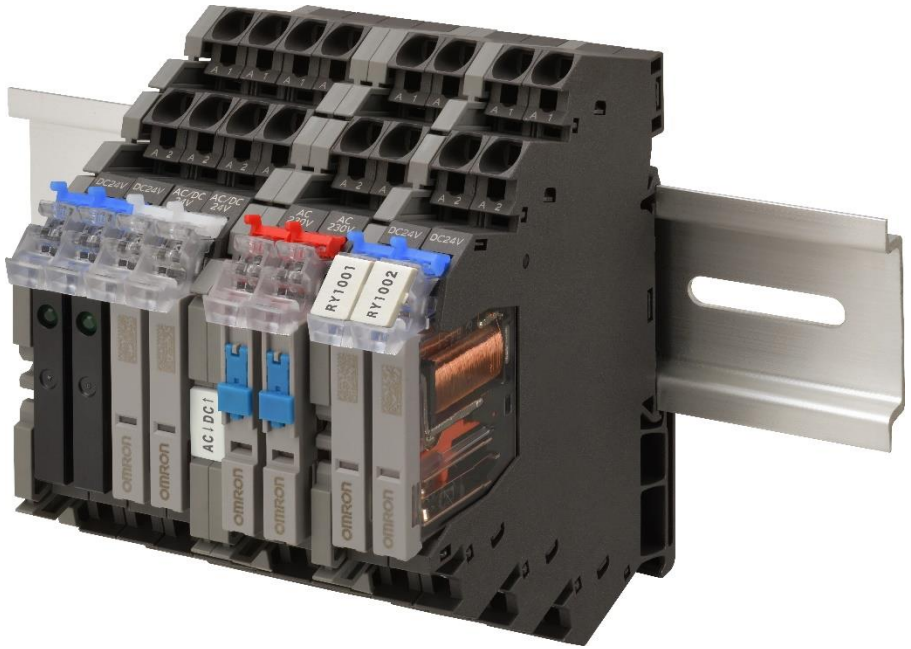
- Smaller form factor allows for higher density panels
  - Customers who value panel space
- Faster switching allows for PLC outputs on faster applications
  - An example would be any application that needs temperature control
- How do we win from an applications perspective?
  - Sell based on the fast switching speed
  - Vibration resistance
  - Easier to wire up than the competition

Summary

- Product:
  - Every customer in industrial automation is a potential buyer
  - Designed to save space, easier to use, faster operation to work with modern PLC outputs
  - Key Features: Small Form Factor, Locking Level Arm, Improved Indicator Visibility







Thank You For Your Time!