

OMRON

Relays, Switches, Sensors
and Connectors for the
Factory Automation Market



FACTORY

Automation

www.components.omron.eu

Leading-edge Technology for the Factory Automation Market

Omron is a €7 billion global supplier of electronic components and solutions for a broad range of applications. With over 75 years of experience in manufacturing electronic and electromechanical components, Omron provides global and local networks of technical and sales support from design through to delivery.

Combining Core Competencies and New Technologies

Omron applies a comprehensive mix of manufacturing and technological skills to make reliable, replicable electromechanical and solid state components.

Competencies

- Materials
- Precision Replication & Assembly
- Stamping & Moulding
- Integration of Active Elements
- Packaging

Technologies

- Switching
- Sensing
- Micro Lens Arrays
- Magnetic Actuators
- Nano Machining
- Micro Electromechanical Systems
- Solid State Components



Omron designs and manufactures a wide range of high quality, high performance components utilising latest technologies for the Factory Automation Market.

Products include relays, switches, connectors and sensors. Committed to quality, Omron has built its business focussed on providing customers, globally with quality products, value added services and customer care. These services are an integral part of Omron's total supply solution and includes full technical and sales support.

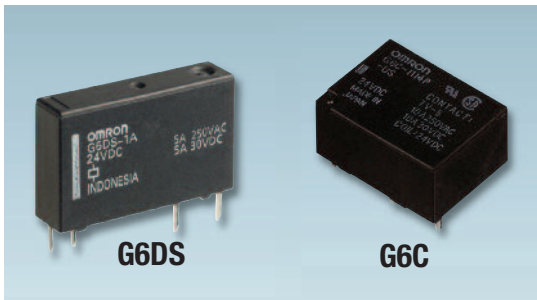


PLC Applications

In order to provide effective manufacturing process control and information systems, Programmable Logic Controllers (PLCs), computers, robotic technologies, motion control & drive systems, and other state-of-the-art technologies need reliable components.



PCB Power Relays



G6DS

Slim miniature relay with 1 pole 5A switching capability.

G6C

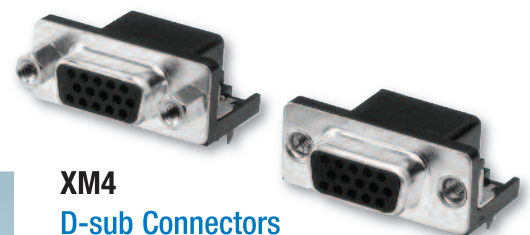
Low power consumption 200mW. Unique moving loop armature reduces relay size, magnetic interference and contact bounce

PLC Connector Box

Safety Relays

G7SA

Conforms to EN Standard. Forcibly guided contacts (EN50205 Class A) suitable for safety circuits in press machinery, machine tools and other production equipment.



XM4

D-sub Connectors

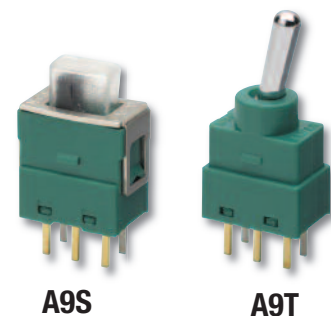
Toggle Switches

A9S

Small slide switch with 2 point clip contact mechanism combined with see-saw action.

A9T

Miniature toggle switch with 2 point clip contact mechanism combined with see-saw action.



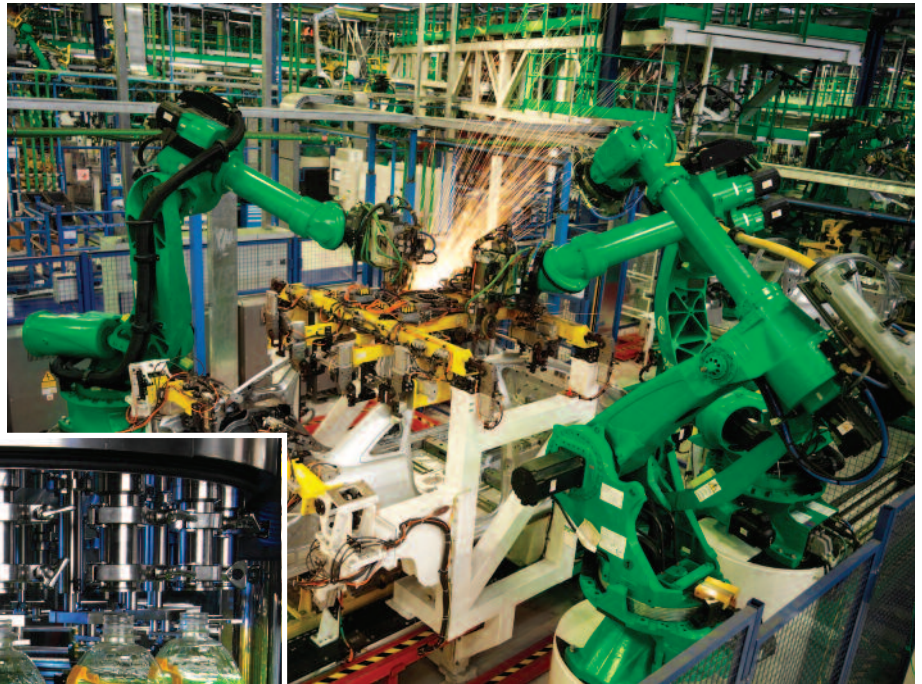
A9S

A9T

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Frequency Inverter

When controlling the speed of electrical motors, pumps, lift motor controls, etc. you need reliable components.



Output Relays



G6DS-1A

Slim miniature relay with 1 pole 5A switching capability.

G6RL-1

Low profile 12.3mm height, 8A high insulation relay. Maximum switching of 10A.

G5Q-1-EU

Compact single pole relay with high isolation between coil and contacts.

G3MC-202

Solid State Relay 5mm width and 250VAC/2A switching load. Ideal for high speed I/O applications and long electrical life.



By-Pass Relays

G5Q-1A-EU

Compact single pole relay with high isolation between coil and contacts.

G2RL-1A-E

High capacity type (16A), high sensitivity type (250mW) and quick connect terminal type all available.

Low profile 15.7mm max height.

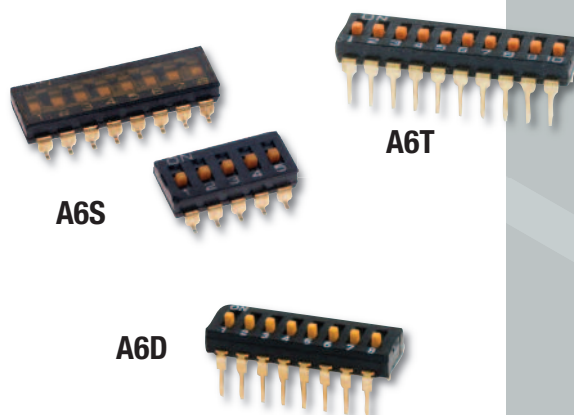
G5RL-1AE

Single pole 15A power relay. AC coil type, high inrush type and silent models available. Low profile – height 15.7mm.



DIP Switch A6 series

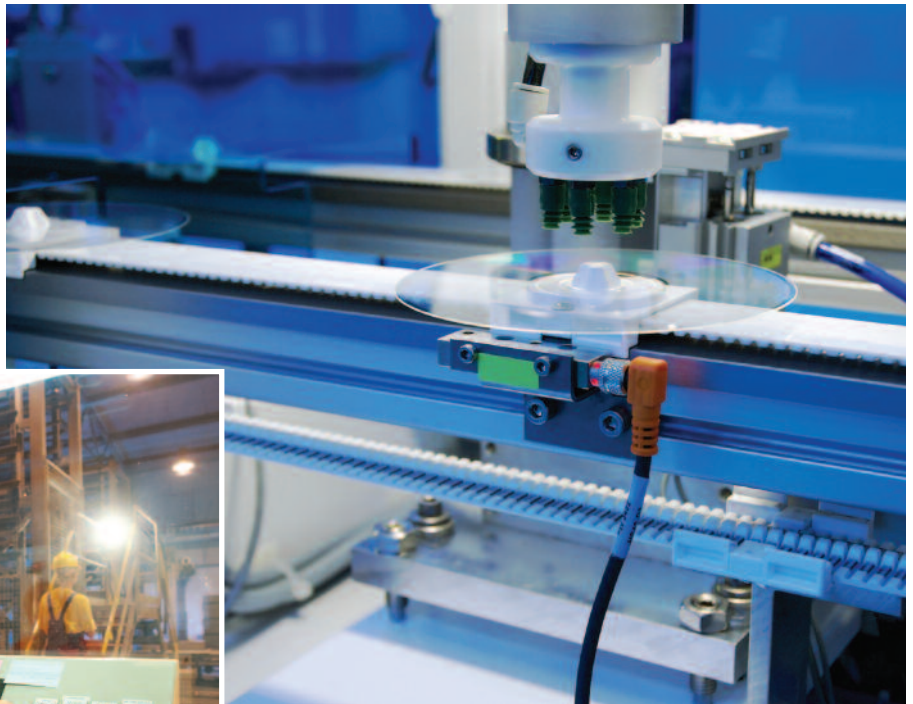
Omron's DIP switches suit most production methods. The A6D series with dustproof construction is ideal for processes that require immersion cleaning. The A6T series is a base-sealed option with a top tape seal to allow washing, and the A6S series is a surface-mount version. The ultra-low profile A6H surface-mount switch delivers a 63% reduction in mounting space compared with conventional models.



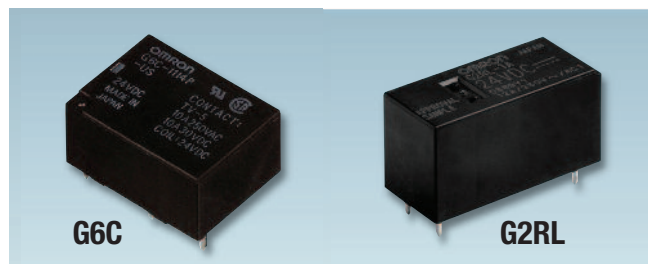
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Timer/monitoring relays

Relays are used in panels in control rooms, timer counters with digital displays and temperature controllers. They are also used to protect motors/heaters from overload.



Output Relays



PCB Power Relay - G6C

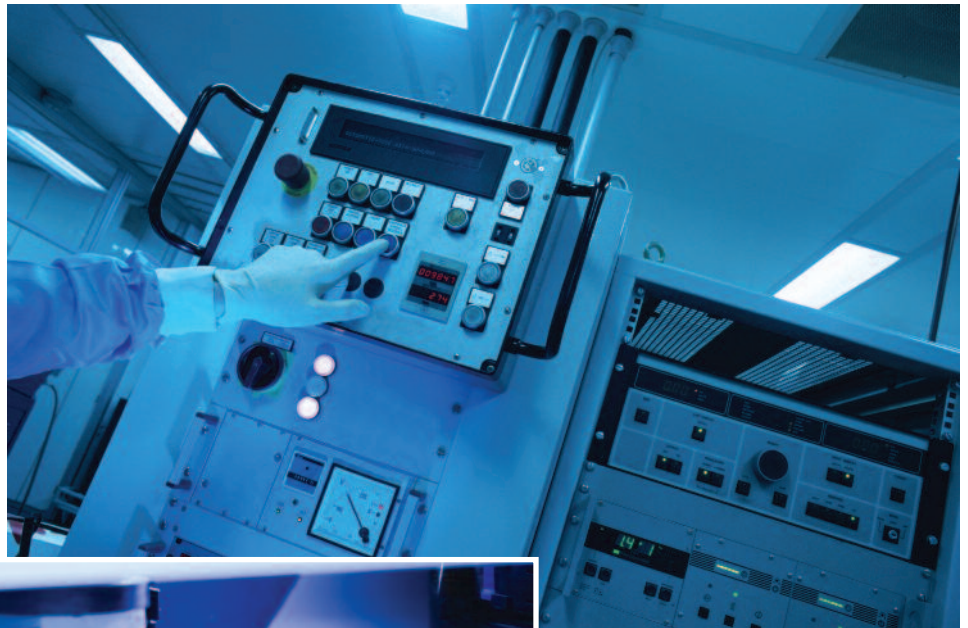
Low power consumption 200mW. Unique moving loop armature reduces relay size, magnetic interference and contact bounce. Single and double-winding latching types available.

PCB Power Relay - G2RL

High capacity type (16A) high sensitivity type (250mW) and quick connect terminal type all available.

Low profile 15.7mm max in height

Safety Relays



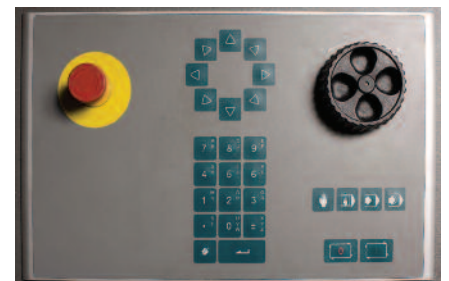
G7SA

Safety Switching Modules

Safety Modules installed in panels on a DIN rail are used to control machines or robots. In an emergency they switch off machines or robots.

General Purpose Relay - G7SA

Ideal for use in safety circuits in production machinery. Four- and six-pole versions are available. The terminal arrangement simplifies PWB pattern design.





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