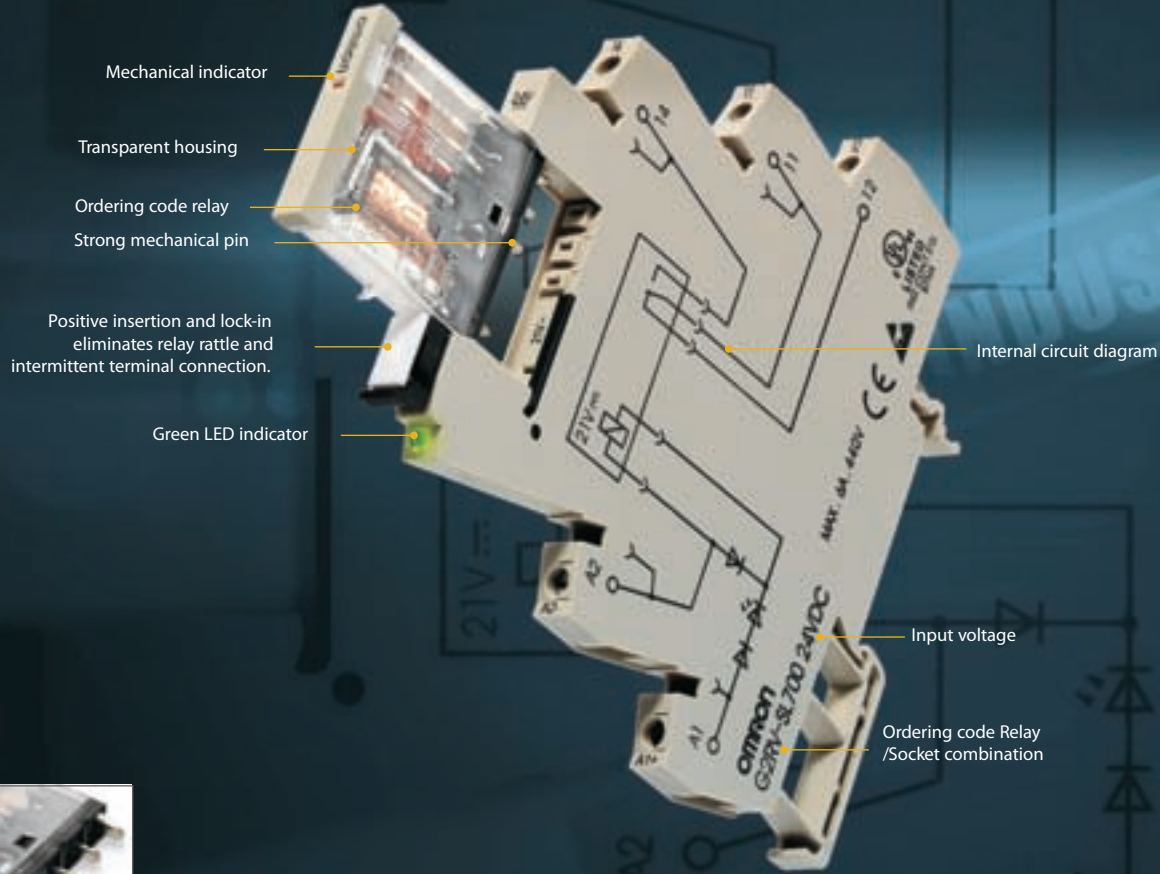


Industrial Slim Relay

6A-rated 6mm wide relay with reinforced pins for reliable insertion



Reinforced Terminals

G2RV incorporates a reinforced QC style terminal avoiding the tendency to bend during replacement. In addition, the larger quick connect surface ensures a more reliable connection between socket and relay.

Visible Indication

The G2RV relay features two indicators: a mechanical indicator and an LED indicator. This enables efficient and accurate confirmation of both correct relay function and actuation status.

Space Saving

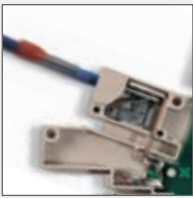
Drawing on well over 50 years of experience with relays, Omron is now introducing the new G2RV industrial slim relay. With a width of only 6 mm, it offers a culmination of marrying space saving innovations with full featured reliability and performance.

Constructed to the Highest Standards

G2RV relays are built to Omron's internal exacting quality and environmental standards. As is the norm for OMRON's electromechanical products, this relay system meets the relevant international standards, such as CCSAus, cULus, VDE, RoHS, and CE.

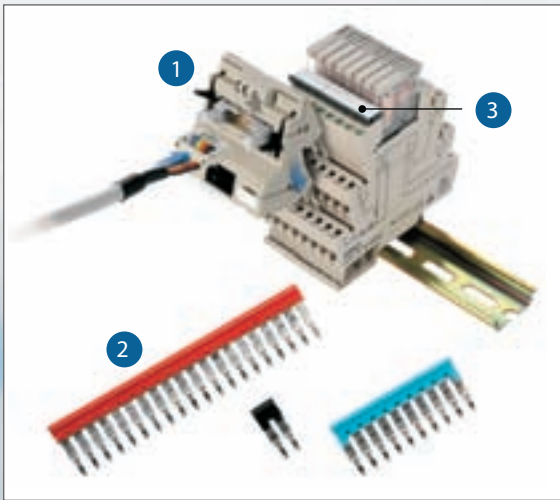
Meets Customer Requirements

The G2RV relay perfectly meets the needs of manufacturers like panel and machine builders looking to cut costs by reducing panel size. Its slim width allows modules to be downsized and the number of I/O lines to be increased while continuing to utilize a standard platform for a range of control loads, from a powerful 6A to an accurate 10 mA signal. Relay and socket are sold as a combination, with relays available separately for maintenance purposes.



Screw- and Push-in terminals

Sockets are available for your choice of connection style: the more conventional Screw Terminal (Box Clamp) or the newer simpler push-in technology (does not require the use of a special tool, thus further simplifying wiring and saving time).



Range of accessories

- 1 Output interface module to quickly connect a PLC to multiple G2RV sockets simultaneously and cost-effectively.
- 2 Cross-bars in various colors and number of poles
- 3 Identification labels in both alphanumerical and bar code.

Ordering Information

RELAY / SOCKET COMBINATION		
Input voltage	Screw terminals	Push-in terminals (future development)
12 VDC	G2RV-SL700	G2RV-SL500
24 VDC	G2RV-SL700	G2RV-SL500
24 VAC/DC	G2RV-SL700	G2RV-SL500
48 VAC/DC	G2RV-SL700	G2RV-SL500
110 VAC	G2RV-SL700	G2RV-SL500
230 VAC	G2RV-SL700	G2RV-SL500

NOTE: When ordering, add the rated coil voltage to the part number.
Example: G2RV-SL700- DC12 or G2RV-SL700- AC48 .

ACCESSORIES		
Type	Description	Ordering code
Cross bar	2 poles	P2RVM-020®
Cross bar	3 poles	P2RVM-030®
Cross bar	4 poles	P2RVM-040®
Cross bar	10 poles	P2RVM-100®
Cross bar	20 poles	P2RVM-200®
PLC interface	Connect 8 relays and PLC output	P2RVC-8-O-F*
Label	Plastic, for mounting on socket	R99-15 for G2RV

* Release Q3 2006.

RELAY/SOCKET COMBINATION			
Contact form	SPDT		
Input voltage	DC 12, 24	AC/DC 24, 48	AC 110, 230
Rated load	6 A @ 250 VAC 6 A @ 30 VDC		
Max. switching voltage	400 VAC		
Max. switching current	6 A		
Max. switching power	1,500 VA / 180 W		
Min. permissible load	10 mA @ 5 VDC		
Mechanical life	5 Million operations		
Electrical life (Rated load)	100K operations (minimum)		
Dielectric strength	6KV		
Ambient temperature	-40°C to +55°C		
Approved standards	CE, VDE, cULus, cCSAus		
Dimensions (HxLxW)	(106.7 x 92.7 x 6.2) mm		

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