RELAYS & CONTACTORS

OMRON GENERAL-PURPOSE RELAYS

G2R-S, LY, MK SERIES



DESCRIPTION

The **Omron** general-purpose relays are available in the **LY**, **MK**, and **G2R-S Series**. The **LY Series** is available in SPDT, DPDT, 3PDT, and 4PDT contact configurations driven by AC or DC coils. It has up to a 15A switching capacity and blade terminals for socket mounting.

The **MK Series** is available in DPDT and 3PDT configurations driven by AC or DC coils and has up to a 10A switch rating. The **MK Series** has pin-type terminals for socket-mounting and comes standard with a mechanical indicator and push-to-test button.

The **G2R-S Series** is available with SPDT or DPDT contacts rated up to 10A and driven by AC or DC coils. They are socket-mounted, and their small size saves space. They come with a mechanical indicator, optional LED, and lockable test button.



FEATURES

- · Blade-style, pin-style and compact models
- · DIN rail or surface mount
- · UL recognized, CSA certified, CE certified

SPECIFICATIONS

COIL RATINGS

	LY S	SER	IES											
Г	Ra	tod			Rate	d Cur	rent (r	nA)			Coi	l Resis	stance	e (Ω)
	Volt			60	Hz	./6	17	50	Hz					
L	Tonage		SPDT	DPDT	3PDT	4PDT	SPDT	DPDT	3PDT	4PDT	SPDT	DPDT	3PDT	4PDT
Г	••	24	46	46	67	80	54	54	80	93.6	180	180	100	78
	AC	120	9.2	9.2	13.7	21.8	10.8	10.8	16.0	25.5	4430	4430	2300	1800
	DC	24	36	6.9	58.6	69	36	5.9	58.6	69	650	650	410	350

MK	SERI	ES	
	ted	Rated Current (mA)	Coil Resistance (Ω)
Vol	tage	60 Hz	
AC	24	96.3	48.4
AC	120	21	932
DC	24	56	430

G2R-S SERIES						
Rated		Rated Current (mA)	Coil Resistance (Ω)			
Vol	tage	60 Hz	0,5			
AC	24	37.4	253			
AC	120	7.5	7,286			
DC	24	21.6	1,113			

Max continuous applied voltage Drop-out voltage

Min operating voltage

DC

LY, G2R-S MK Contact resistance Operating time

Contact material

Release time Min load LY, G2R-S MK

Warranty

Agency approvals

80% of rated voltage AC 70% of rated voltage DC 110% of rated voltage AC/DC

30% or more of the rated voltage 10% (LY), 15% (MK, G2R-S) or more of the rated voltage

Silver cadmium oxide Silver

100 mΩ maximum 30 ms maximum 25 ms maximum

100 mA/5 VDC 10 mA/1 VDC

UL-recognized component, File #E41643 (LY, G2R-S), #E41515 (MK);

CSA certified, File #LR31928 (LY, G2R-S); #LR41408 (MK); CE certified

1 year

CONTACT RATINGS

Contact Form	UL Contact Ratings
	15A @ 240 VAC (inductive)
SPDT	15A @ 28 VDC (resistive)
	1/2 hp @ 120 VAC (motor)
	13A @ 120 VAC (resistive)
DPDT	12A @ 240 VAC (inductive)
5.5.	10A @ 28 VDC (resistive)
	1/2 hp @ 120 VAC (motor)
ODDT	10A @ 240 VAC (inductive)
3PDT	10A @ 28 VDC (resistive)
4PDT	1/2 hp @ 240 VAC (motor)

MK SERIES	1010
Contact Form	UL Contact Rating
	10A @ 250 VAC (resistive)
DPDT	10A @ 28 VDC (resistive)
	7A @ 250 VAC (inductive)
	10A @ 120 VAC (resistive)
3PDT	10A @ 28 VDC (resistive)
0. 5.	10A @ 250 VAC (resistive)
	7A @ 250 VAC (inductive)

G2R-S SER	IES
Contact Form	UL Contact Rating
SPDT	10A @ 30 VDC (resistive) 10A @ 250 VAC (general purpose)
DPDT	5A @ 30 VDC (resistive) 5A @ 250 VAC (general purpose)

September 2016

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