

# General Purpose Relays

Navigation Guide

OMRON



Product Line	G7L	LY	MY	G2R-S (S)
Selling Tips	<ul style="list-style-type: none"> <li>• Ideal for pump and motor loads</li> <li>• Most cost effective solution in its class for cost competitive applications</li> <li>• Has UL ratings of 3 HP @ 277 VAC and 20 FLA/120 LRA 120 VAC for pump requirements</li> <li>• No contact chattering for voltage drops up to 50% of rated voltage for longer life</li> </ul>	<ul style="list-style-type: none"> <li>• Ideal for HVAC and Appliance applications</li> <li>• Economical, compact power relay for cost competitive applications</li> <li>• LED, bifurcated contacts, surge suppression and test button features for longer life</li> <li>• PCB, Panel and Plug-in models available for wide variety of applications</li> </ul>	<ul style="list-style-type: none"> <li>• Ideal for Elevator applications</li> <li>• Exceptional reliability for long life</li> <li>• Mechanical indicator for trouble shooting</li> <li>• Name plate available for marking identification</li> <li>• Options include LED Indicator and lockable test button for trouble shooting</li> <li>• Cage Clamp sockets available for quicker installation</li> </ul>	<ul style="list-style-type: none"> <li>• Ideal for PLC Automation</li> <li>• ½ inch wide relay for maximizing din rail space</li> <li>• Mechanical indicator for trouble shooting</li> <li>• Name plate available for marking identification</li> <li>• LED and lockable test button option available for trouble shooting</li> <li>• Cage Clamp sockets available for quicker installation</li> </ul>
Switching Current (resistive) (max.)	1 pole: 30A @ 220VAC 2 pole: 25A @ 220VAC	1 pole: 15A @ 110VAC 15A @ 24VDC 2-4 pole: 10A @ 110VAC 10A @ 24VDC	2 pole: 5A @ 250VAC 5A @ 30VDC 4 pole: 3A @ 250VAC 3A @ 30VDC	1 pole: 10A @ 250VAC 10A @ 30VDC 2 pole: 5A @ 250VAC 5A @ 30VDC
Contact Form	SPST-NO DPST-NO	SPDT 3PDT DPDT 4PDT	DPDT 4PDT	SPDT DPDT
Electrical Service Life (@ 1800 ops./hr.) (resistive load)	100,000 cycles @ rated load Screw Terminal and Quick Connect PCB: 20 A @ 220 VAC	200,000 cycles @ rated load 1 pole, 3 pole, and 4 pole 500,000 cycles @ rated load 2 pole	500,000 cycles @ rated load 2 pole 200,000 cycles @ rated load 4 pole 100,000 cycles @ rated load 4 pole bifurcated	100,000 cycles @ rated load
Key Accessories	P7LF-06 Track Mount Socket P7LF-D Track Mount Adapter R99-07G5D E-Bracket	Track Mount Sockets PTF08A-E 1-2 pole PTF11A 3 pole, PTF14A-E 4 pole	Track Mount Sockets PYF08A-E 2 pole, PYF14A-E 4 pole PYF08-S 2 pole, Screwless PYF14-S 4 pole Screwless	Track Mount Sockets P2RF-05-E 1 pole, P2RF-08-E 2 pole P2RF-05-S 1 pole, Screwless P2RF-08-S 2 pole Screwless G70A Terminal blocks available
Popular Part Numbers	G7L-1A-TUBJ-CB AC24 (Quick Connect) G7L-2A-TUBJ-CB AC100/120 (Quick Connect) G7L-2A-BUBJ-CB DC24 (Screw Terminal) PCB Mount models also available.	LY2 AC110/120 (Plug in) LY2N AC110/120 (Plug in) LY2-O AC110/120 (PCB) Panel Mount models also available.	MY4N AC110/120 (S) (Plug in) MY4N DC24 (S) (Plug in) MY4ZN AC110/120 (S) (Plug in)	G2R-1-S DC24 (S) (Plug in) G2R-1-S AC120 (S) (Plug in) G2R-1-SND DC24 (S) (Plug in)

# Solid State Relays



Product Line	G3NA	G3NE	G3R	G3PE
Selling Tips	<ul style="list-style-type: none"> <li>• Ideal for industrial and appliance applications</li> <li>• "Hockey Puck" industry standard size</li> <li>• Zero cross for AC models reducing in rush current for longer life</li> <li>• AC and DC load models available for wide range of applications</li> <li>• -UTU models have UL, CSA and TUV approvals for world wide applications</li> <li>• Protective cover standard for greater safety</li> </ul>	<ul style="list-style-type: none"> <li>• Ideal for medical applications</li> <li>• Economical solution for cost competitive application</li> <li>• Low Profile of 11.5mm height for restricted space applications</li> <li>• Available in random fire operation for faster switching</li> <li>• -US models have UL, CSA, and TUV approvals for world wide applications</li> </ul>	<ul style="list-style-type: none"> <li>• Ideal for PLC logic applications</li> <li>• ½ inch wide relay to maximize space on din rail</li> <li>• 4 kV isolation between input and output offers safety from high voltage I/O differences</li> <li>• High speed models capable of managing frequency &gt; than 60Hz for wider range of applications</li> <li>• -UTU models have UL, CSA and TUV approvals for world wide applications</li> </ul>	<ul style="list-style-type: none"> <li>• Ideal for heater applications</li> <li>• Heat sink incorporated in relay for faster installation</li> <li>• Single Phase and 3 Phase models available for more application opportunities</li> <li>• Single Phase models 15A-25A &lt; 1 inch wide for maximizing space in din rail</li> <li>• Snubber circuit provides excellent short term surge absorption for longer life</li> </ul>
Switching Current (resistive) (max.)	10A, 20A, 25A, 40A, 50A, 75A, 90A @ 240VAC and 480VAC Additional models available.	5A, 10A, 20A @ 240VAC	Input: 100mA @ 32VDC Output: AC 2A @ 240V, DC 1.5A @ 200V, 2A @ 48V	15A, 25A, 35A, and 45A @ 240VAC and 480VAC
Key Accessories	Variety of DIN track heat sinks avail. R99-12 FOR G3NA DIN adapter	DIN track heat sinks Y92B-N50 5A-10 Y92B-N100 20A	P2RF-05-E DIN track socket G70A Terminal blocks available	DIN track heat sinks for 3 phase relay models only
Popular Part Numbers	G3NA-210B DC5-24 (Screw Terminal) G3NA-220B DC5-24 (Screw Terminal) G3NA-D210B DC5-24 (Screw Terminal)	G3NE-205T-US DC5 (Quick Connect) G3NE-210T-US DC5 (Quick Connect) G3NE-210T-US DC24 (Quick Connect)	G3R-OA202SZN DC5-24 (Plug-in) G3R-OD201SN DC5-24 (Plug-in) G3R-ODX02SN DC5-24 (Plug in)	G3PE-215B DC12-24 (Single phase screw terminal) G3PE-225B DC12-24 (Single phase screw terminal) G3PE-535B-2N DC12-24 (3 phase screw terminal)