

G5NB-EL

A slim compact Relay with 7A switching capacity

- 7A (AC250V), 5A (DC30V) high capacity switching with compact size.
- Minimum 200kops durability at 5A(AC250V) switching.
- IEC/EN 60335-1 conformed.
- Ambient operating temperature: max. 85°C.

Application Examples

- Home appliances
- Industrial equipment
- Building automation



G5NB-EL specification

Current






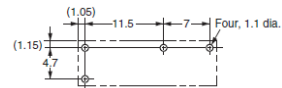
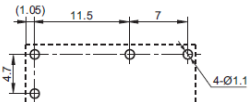
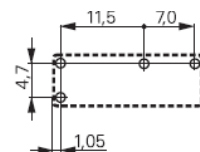
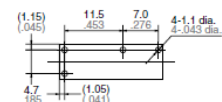
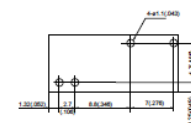
New

		G5NB	G5NB-E	G5NB-1A4-EL-HA
		Flux protection / Sealed		Sealed
Contact ratings	Load voltage	AC125V/DC30V	AC250V/DC30V	AC250V/DC30V
	Load current	3A	5A	AC:7A / DC:5A
	Load	Resistive load		
	Electrical Endurance (Min)	200k ops	100kops(5A/AC250V) 200kops(3A/DC30V)	200k ops (5A/AC250V) 50kops(7A/AC250V) 100kops(5A/DC30V)
		23 degC		
	On/Off frequency	1s ON / 1s OFF 1800ops/h	1s ON / 1s OFF 1800ops/h	1s ON / 3s OFF 900ops/h
Ambient Temp.		-40~+70degC		-40~+85degC
Power consumption		200mW		
Safety Reg.		UL/CSA , VDE		
Coil ratings		5 to 24VDC		12,24 VDC

*-HA : IEC60335-1(ed.5) conformed

*Automated production

Comparison of basic specification

			Omron	Hongfa	Tyco	Panasonic	Fujitsu
Model			G5NB-1A4-EL-HA	HF46F-G	PCJ	LD-P(ALDP-1)	FTR-F3-HA
Pohoes							
Dimensions			20.5 x 7.2 x 15.3	20.5 x 7.2 x 15.3	20.4 x 7.0 x 15.0	20.5 x 7.2 x 15.3	20.3 x 7.0 x 15.0
PCB Layout							
Enclosure rating			Fully sealed	Plastic sealed/Flux proofed	Flux proof/Wash tight(WG)	Sealed type	Plastic sealed
Contact	Contact Form		1a(SPST)	1a(SPST)	1a(SPST)	1a(SPST)	1a(SPST)
	Rated load	Resistive	Min 50kops at AC250V 7A	60kops at AC250V 7A	100kops at AC250V 5A	100kops at AC250V 5A	100kops at AC250V 5A
			Min 200kops at AC250V 5A	60kops at DC28V 7A	100kops at AC250V 3A	200kops at AC125V 5A	100kops at DC30V 5A
			Min 100kops at DC30V 5A			100kops at DC30V 3A	
Max Switching current		AC:7A DC:5A	10A	5A	AC:5A DC:3A	5A	
Coil	Rated Voltage		DC 12/24V	DC 3~24V	DC 3~24V	DC 5~24V	DC 5~24V
	Power consumption		200mW	200mW	200mW	200mW	200mW
Ambient operating temperature			-40~+85℃	-40~+85℃	-40~+85℃	-40~+85℃	-40~+70℃

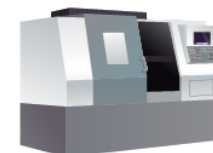
Application examples



Home appliances



Building automations
HVAC



Industrial
equipment