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FR - Pour connaître les tarifs et la disponibilité dans votre pays, cliquez sur l'un des liens suivants:

G2R-2-SND-DC24(S)

#### ΕN

This Datasheet is presented by the manufacturer

#### DE

Dieses Datenblatt wird vom Hersteller bereitgestellt

#### FR

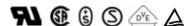
Cette fiche technique est présentée par le fabricant

# **Power PCB Relay**

- Creepage distance of 8.0 mm (0.31) min. between coil and contact.
- Dual-winding latching type available.
- Plug-in and quick-connect terminals available.
- High sensitivity (360 mW) and high capacity (16 A) types available.
- Highly stable magnetic circuit for latching endurance and excellent resistance to vibration and shock.
- Safety-oriented design assuring high surge resistance: 10,000 V min. between coil and contacts.
- UL, CSA approved, marked with CE.















### **Ordering Information**

To order: Select the part number and add the desired coil voltage rating (e.g., G2R-14-DC12).

#### ■ Non-Latching

#### 1-Pole - PCB Types

Туре	Contact material	Contact form	Construction	Model
General purpose	AgCdO	SPDT	Semi-sealed	G2R-1
			Sealed	G2R-14
		SPST-NO	Semi-sealed	G2R-1A
			Sealed	G2R-1A4
High-capacity		SPDT	Semi-sealed G2R-1-E G2R-1A-E	G2R-1-E
		SPST-NO		G2R-1A-E
High-sensitivity		SPDT		G2R-1-H
			Sealed	G2R-14-H
		SPST-NO	Semi-sealed	G2R-1A-H
			Sealed	G2R-1A4-H

#### 1-Pole - Plug-in/Quick-connect Types

Туре	Contact material	Contact form	Terminal	Model
General purpose	AgCdO	SPDT	Plug-in	G2R-1-S
LED indicator	]			G2R-1-SN
Surge suppression diode	]			G2R-1-SD
LED indicator and surge suppression diode	]			G2R-1-SND
Upper-mount bracket	1	SPDT	Quick connect	G2R-1-T
		SPST-NO		G2R-1A-T

Note: 1. AgInSn and gold plated contacts available.

- 2. Bifurcated button available.
- 3. For individual product agency approvals consult factory.
- 4. Class B coil insulation available.
- 5. Push to test button available on plug-in type. Consult Omron for details.
- 6. CE mark only on plug-in and quick connect types (G2R-□-S).

#### 2-Pole - PCB Types

Туре	Contact material	Contact form	Construction	Model
General purpose	AgCdO	DPDT	Semi-sealed	G2R-2
			Sealed	G2R-24
		DPST-NO	Semi-sealed	G2R-2A
			Sealed	G2R-2A4
High sensitivity		DPDT	Semi-sealed	G2R-2-H
			Sealed	G2R-24-H
		DPST-NO	Semi-sealed	G2R-2A-H
			Sealed	G2R-2A4-H

#### 2 Pole - Plug-in/Quick-connect Types

Туре	Contact material	Contact form	Terminal	Model
General purpose	AgCdO	DPDT	Plug-in	G2R-2-S
LED indicator				G2R-2-SN
Surge suppression diode				G2R-2-SD
Led indicator and surge suppression diode				G2R-2-SND

Note: 1. AgInSn and gold plated contacts available.

- 2. Bifurcated button available.
- 3. For individual product agency approvals consult factory.
- 4. Class B coil insulation available.
- 5. Push to test button available on plug-in type. Consult Omron for details.

#### **■** Latching

Туре	Contact form	Construction	Model
Dual coil latching	SPDT	Semi-sealed	G2RK-1
	SPST-NO		G2RK-1A
	DPDT		G2RK-2
	DPST-NO		G2RK-2A

#### **■** Accessories

#### **Track Mounted Sockets/Track**

Relay		Model	
	Socket	Mounting track	
G2R-1-S□□ (1-pole)	P2RF-05	PFP-100N or	
	P2RF-05-E	PFP-50N and	
G2R-2-S□□ (2-pole)	P2RF-08	PFP-M end plate	
	P2RF-08-E	PFP-S (optional spacer)	

Note: "-E" models are of finger-safe product construction. Round terminals cannot be used. Use Y-shaped terminals.

#### **Screwless Clamp Terminal Socket Ordering Information**

	1-pole	2-pole		
Socket	P2RF-05-S	P2RF-08-S		
Clip & release lever	P2CM-S			
Nameplate	R99-11 nameplate for MY			
Socket bridge	P2RM-SR, P2RM-SB			

Note: For complete specifications see the data sheet at Omron's Knowledge center at www.knowledge.omron.com.

#### **Back Connecting Sockets/Plate**

Relay	Terminal	Model	
		Socket	Socket mounting plate
G2R-1-S□□ (1-pole)	Solder	P2R-05-A	P2R-P
	PC	P2R-05P	
G2R-2-S□□ (2-pole)	Solder	P2R-08A	
	PC	P2R-08P	

## **Specifications**

### ■ Contact Data

Non-latching general purpose, plug-in, plug-in operation indicator self-contained, plug-in diode self-contained and upper-mount bracket.

	1-pole type		2-pole type	
Load	Resistive load (p.f. = 1)	Inductive load (p.f. = 0.4) (L/R = 7 ms)	Resistive load (p.f. = 1)	Inductive load (p.f. = 0.4) (L/R = 7 ms)
Rated load	10 A at 250 VAC 10 A at 30 VDC	7.5 A at 250 VAC 5 A at 30 VDC	5 A at 250 VAC 5 A at 30 VDC	2 A at 250 VAC 3 A at 30 VDC
Contact material	AgCdO			
Carry current	10 A		5 A	
Max. operating voltage	380 VAC, 125 VDC			
Max. operating current	10 A		5 A	
Max. switching capacity	2,500 VA, 300 W	1,875 VA, 150 W	1,250 VA, 150 W	500 VA, 90 W
Min permissible load	100 mA, 5 VDC	•	10 mA, 5 VDC	

#### Non-latching high capacity 1-pole type

Load	Resistive load (p.f. = 1)	Inductive load (p.f. = 0.4) (L/R = 7 ms)
Rated load	16 A at 250 VAC 16 A at 30 VDC	8 A at 250 VAC 8 A at 30 VDC
Contact material	AgCdO	
Carry current	16 A	
Max. operating voltage	380 VAC, 125 VDC	
Max. operating current	16 A	
Max. switching capacity	4,000 VA, 480 W	2,000 VA, 240 W
Min. permissible load	100 mA, 5 VDC	

#### Non-latching high-sensitivity

	1-pole type		2-pole type			
Load	Resistive load (p.f. = 1)	Inductive load (p.f. = 0.4) (L/R = 7 ms)	Resistive load (p.f. = 1)	Inductive load (p.f. = 0.4) (L/R = 7 ms)		
Rated load	5 A at 250 VAC 5 A at 30 VDC	2 A at 250 VAC 3 A at 30 VDC	3 A at 250 VAC 3 A at 30 VDC	1 A at 250 VAC 1.50 A at 30 VDC		
Contact material	AgCdO					
Carry current	5 A		3 A			
Max. operating voltage	380 VAC, 125 VDC	80 VAC, 125 VDC				
Max. operating current	5 A		3 A			
Max. switching capacity	1,250 VA, 150 W	500 VA, 90 W	750 VA, 90 W	250 VA, 45 W		
Min permissible load	100 mA, 5 VDC		10 mA, 5 VDC			

#### Latching

	1-pole type		2-po	le type		
Load	Resistive load (p.f. = 1)	Inductive load (p.f. = 0.4) (L/R = 7 ms)	Resistive load (p.f. = 1)	Inductive load (p.f. = 0.4) (L/R = 7 ms)		
Rated load	5 A at 250 VAC 5 A at 30 VDC	3.50 A at 250 VAC 2.50 A at 30 VDC	3 A at 250 VAC 3 A at 30 VDC	1.50 A at 250 VAC 2 A at 30 VDC		
Contact material	AgCdO	AgCdO				
Carry current	5 A		3 A			
Max. operating voltage	380 VAC, 125 VDC	380 VAC, 125 VDC				
Max. operating current	5 A		3 A			
Max. switching capacity	1,250 VA, 150 W	875 VA, 75 W	750 VA, 90 W	375 VA, 60 W		
Min permissible load	100 mA, 5 VDC		10 mA, 5 VDC			

**Note: 1.** P standard:  $\lambda_{50} = 0.10 \text{ x } 10^{-6} \text{ operation.}$ 

2. AgInSn contacts available.

3. For individual product agency approvals consult factory.

#### **■** Coil Data

#### Non-latching DC coil

Rated voltage	Rated current	Coil	Coil inductance (ref. value) (H)		Pick-up voltage	Dropout voltage	Maximum voltage	Power consumption
(VDC)	(mA)	resistance (Ω)	Armature OFF	Armature ON	% of rated voltage			(mW)
3	176	17	0.07	0.14	70% max.	15% min.	110% max.	Approx. 530
5	106	47	0.20	0.39			at 70°C	
6	88.20	68	0.28	0.55			(158°F)	
12	43.60	275	1.15	2.29				
24	21.80	1,100	4.27	8.55				
48	11.50	4,170	13.86	22.71				
100	5.30	18,860	67.20	93.20				
110	4.80	22,900	81.50	110.60	1			

#### Non-latching AC coil

Rated voltage	Rated current	Coil resistance		ductance alue) (H)	Pick-up voltage	Dropout voltage	Maximum voltage	Power consumption
(VDC)	(mA)	(Ω)	Armature OFF	Armature % of rated vol		of rated voltage	ge	(mW)
6	150	16	0.05	0.10	80% max.	30% min.	110% max.	Approx. 0.9
12	75	65	0.19	0.39			at 70°C	
24	37.50	260	0.81	1.55			(158°F)	
50	18	1,130	3.25	6.73				
110	10.60	4,600	13.34	26.84				
120	7.50	6,500	21	42				
220	5.30	22,000	51.30	102	1			
240	3.80	30,000	65.50	131				

#### Non-latching high-sensitivity DC coil

Rated voltage	Rated current	Rated current Coil resistance	Coil inductance (ref. value) (H)		Pick-up voltage	Dropout voltage	Maximum voltage	Power consumption
(VDC)	(mA) $(\Omega)$		Armature OFF	Armature ON	% of rated voltage			(mW)
3	120	25	0.13	0.26	70% max.	15% min.	110% max.	Approx. 360
5	71.40	70	0.37	0.75			at 70°C	
6	60	100	0.63	1.07			(158°F)	
12	30	400	2.14	4.27				
24	15	1,600	7.80	15.60	1			
48	7.50	6,400	31.20	62.40	]			

#### Latching dual coil type - Set coil

Rated voltage	Rated current	Coil resistance		ductance alue) (H)	Pick-up voltage	Dropout voltage	Maximum voltage	Power consumption
(VDC)	(mA)	(Ω)	Armature OFF	Armature ON	% of rated voltage		(mW)	
3	227	10.80	0.026	0.052	70% max.	70% max.	110% max.	Approx. 850
5	167	30	0.073	0.146			at 70°C	
6	138	43.50	0.104	0.208			(158°F)	
12	70.60	170	0.42	0.83				
24	34.60	694	1.74	3.43				

#### Latching dual coil type - Reset coil

Rated voltage	Rated current	Coil resistance		ductance alue) (H)	Pick-up voltage	Dropout voltage	Maximum voltage	Power consumption
(VDC)	(mA)	(Ω)	Armature OFF	Armature ON	% of rated voltage		(mW)	
3	200	15	0.001	0.002	70% max.	70% max.	110% max.	Approx. 600
5	119	42	0.003	0.006			at 70°C	
6	100	60	0.005	0.009			(158°F)	
12	50	240	0.018	0.036	]			
24	25	960	0.079	0.148	]			

Note: 1. The rated current and coil resistance are measured at a coil temperature of 23°C (73°F) with a tolerance of ±10%.

#### **■** Characteristics

Item		Non-latching	Latching			
Contact resistance		100 mΩ				
Operate (set) time		15 ms. max.	20 ms max.			
Release (reset) time		AC: 10 ms max.; DC: 5 ms max.	20 ms max.			
Bounce time	Operate		Mean value approx. 3 ms			
	Release		Mean value approx. 8 ms			
Operating frequency	Mechanical	18,000 operations/hour				
	Electrical	1,800 operations/hour (under rated load)				
Insulation resistance		1,000 MΩ min. (at 500 VDC)				
Dielectric strength		5,000 VAC, 50/60 Hz for 1 minute between co	oil and contacts			
		1,000 VAC, 50/60 Hz for 1 minute across contacts of same pole				
		3,000 VAC, 50/60 Hz for 1 minute between contact sets, 2-pole non-latching				
		1,000 VAC, 50/60 Hz for 1 minute between set and reset coils of dual coil latching				
Vibration	Mechanical durability	10 to 55 Hz; 1.50 mm (0.06) double amplitude				
	Malfunction durability	10 to 55 Hz; 1.50 mm (0.06) double amplitude				
Shock	Mechanical durability	1,000 m/s <sup>2</sup> (approx. 100G)				
	Malfunction durability	200 m/s <sup>2</sup> (approx. 20 G) when energized 100 m/s <sup>2</sup> (approx. 10 G) when de-energized	500 m/s² (approx. 50 G) at set 100 m/s² (approx. 10 G) at reset			
Ambient temperature		-40 to 70°C (-40 to 158°F)				
Humidity		35% to 85% RH				
Service life	Mechanical	AC: 10,000,000 operations min. DC: 20,000,000 operations min. (at 18,000 operations/hour)	10,000,000 operations min. (at 18,000 operations/hour)			
	Electrical	See "Characteristics Data"				
Weight		Approx. 17 g (0.60 oz.)	Approx. 17 g (0.60 oz.)			

Note: Data shown are of initial value.

<sup>2.</sup> The operating characteristics are measured at a coil temperature of 23°C (73°F).

#### ■ Characteristic Data

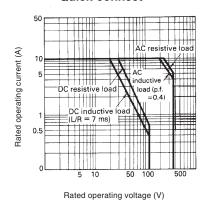
#### **Maximum Switching Capacity - Non-latching Types**

PCB: Single-pole general purpose

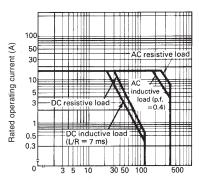
Semi-sealed

Plug-in: Single-pole single button

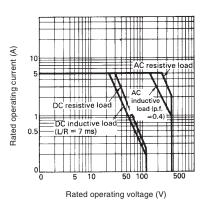
Quick-connect



**High capacity** 



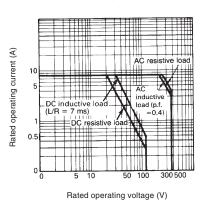
PCB: Single-pole high sensitivity
Two-pole general purpose
Plug-in: Two-pole single button



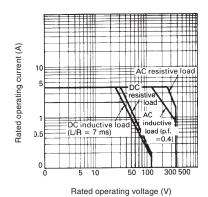
Rated operating voltage (V)

PCB: Two-pole high sensitivity

PCB: Single-pole general purpose Sealed



PCB: Two-pole general purpose Sealed



Rated operating voltage (V)

(L/R = 7 ms)

Rated operating current (A)

0.5

0.3

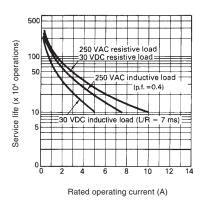
0.1

#### **Electrical Service Life - Non-latching Types**

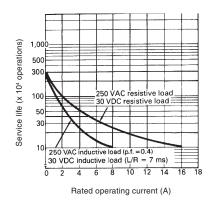
PCB: Single-pole general purpose Semi-sealed

Plug-in: Single-pole single button

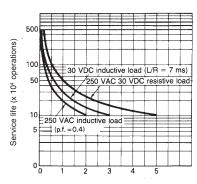
Quick connect



**High capacity** 

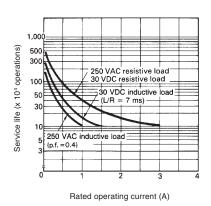


PCB: Single-pole high sensitivity Two-pole general purpose Plug-in: Two-pole single button

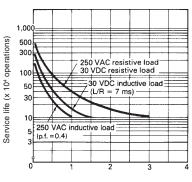


Rated operating current (A)

#### PCB: Two-pole high sensitivity

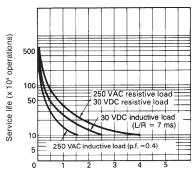


### PCB: Single-pole general purpose Sealed



Rated operating current (A)

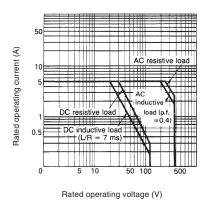
### PCB: Two-pole general purpose Sealed



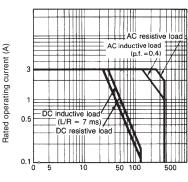
Rated operating current (A)

#### **Maximum Switching Capacity - Latching Types**

#### One pole



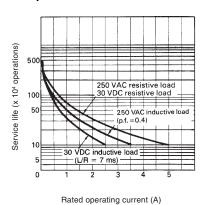
#### Two-pole



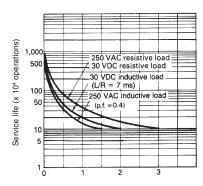
Rated operating voltage (V)

#### **Electrical Service Life - Latching Types**

#### One pole



#### Two-pole



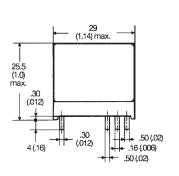
Rated operating current (A)

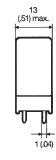
### **Dimensions**

Unit: mm (inch)

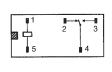
#### ■ Non-latching

#### PCB Terminal: SPDT, general purpose & high sensitivity



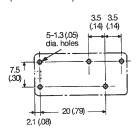


Terminal arrangement/ Internal connections (Bottom view)

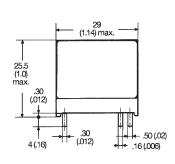


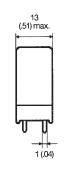
#### **Mounting holes**

(Bottom view)

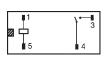


#### PCB Terminal: SPST-NO, general purpose & high sensitivity



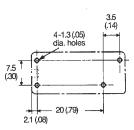


Terminal arrangement/ Internal connections (Bottom view)

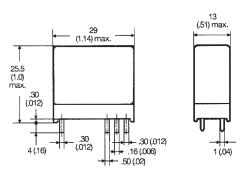


**Mounting holes** 

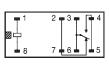
(Bottom view)



#### PCB Terminal: SPDT, high capacity

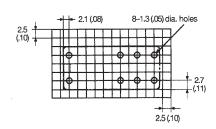




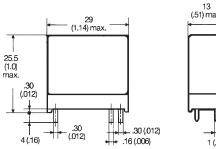


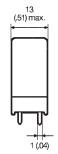
**Mounting holes** 

(Bottom view)

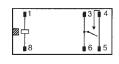


#### PCB Terminal: SPST-NO, high capacity



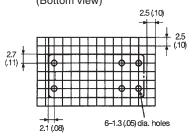


#### Terminal arrangement/ Internal connections (Bottom view)



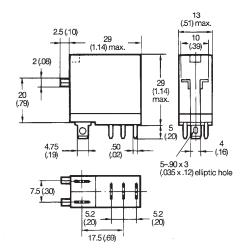
#### Mounting holes

(Bottom view)



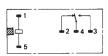
- - **2.** A tolerance of  $\pm 0.10$  (0.004) applies to the above dimensions.

#### Plug-in: SPDT, single button general purpose, LED indicator, surge suppression diode

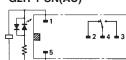


Terminal arrangement/Internal connections (Bottom view)

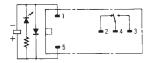
G2R-1-S



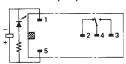
G2R-1-SN(AC)



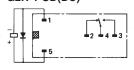
G2R-1-SND(DC)



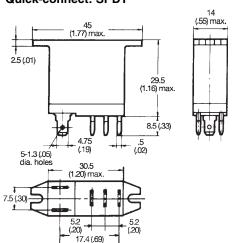
G2R-1-SN(DC)



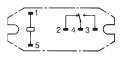
G2R-1-SD(DC)



#### **Quick-connect: SPDT**

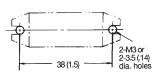


#### Terminal arrangement/ Internal connections (Bottom view)

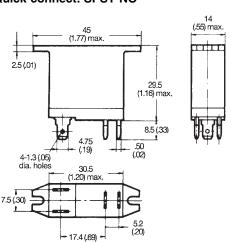


#### **Mounting holes**

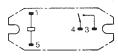
(Bottom view)



#### **Quick-connect: SPST-NO**

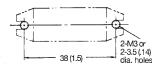


#### Terminal arrangement/ Internal connections (Bottom view)



### **Mounting holes**

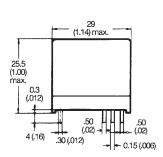
(Bottom view)

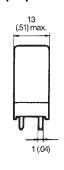


Note: 1. and \_\_\_\_\_ indicate mounting orientation marks.

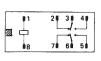
2. A tolerance of ±0.10 (0.004) applies to the above dimensions

#### PCB Terminal: DPDT, general purpose & high sensitivity



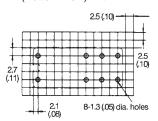


Terminal arrangement/ Internal connections (Bottom view)

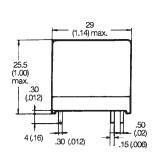


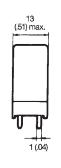
#### Mounting holes

(Bottom view)



#### PCB Terminal: DPST-NO, general purpose & high sensitivity

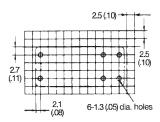




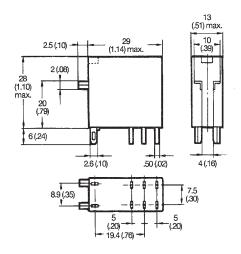
Terminal arrangement/ Internal connections (Bottom view)



Mounting holes (Bottom view)



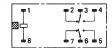
Plug-in: DPDT



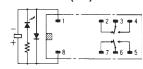
#### Terminal arrangement/Internal connections

(Bottom view)

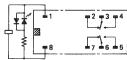
#### G2R-2-S



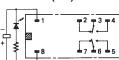
### G2R-2-SND(DC)



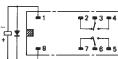
#### G2R-2-SN(AC)







#### G2R-2-SD(DC)

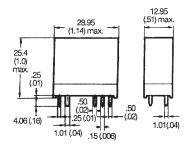


Note: 1. \_\_\_\_\_\_ and \_\_\_\_\_\_ indicate mounting orientation marks.

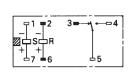
2. A tolerance of  $\pm 0.10$  (0.004) applies to the above dimensions.

### **■** Latching

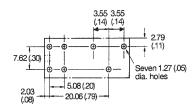
### SPDT, Dual coil latching G2RK-1



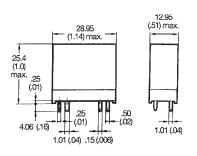
**Dual coil** 



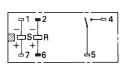
#### **Dual coil**



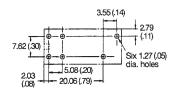
### SPST-NO, Dual coil latching G2RK-1A



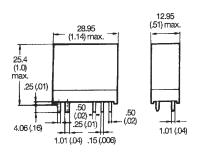
**Dual coil** 



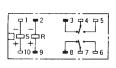
**Dual coil** 



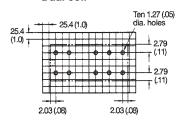
### DPDT, Dual coil latching G2RK-2



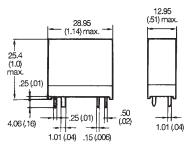
**Dual coil** 



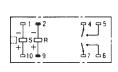
**Dual coil** 



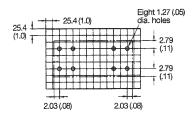
## DPST-NO, Dual coil latching G2RK-2A



**Dual coil** 



**Dual coil** 

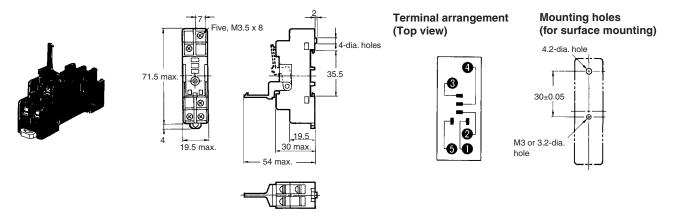


Note: 1. and \_\_\_\_\_ indicate mounting orientation marks.

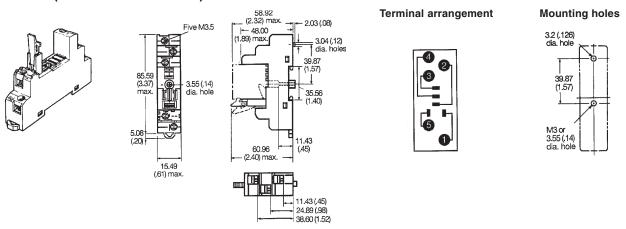
2. A tolerance of  $\pm 0.\overline{10}$  (0.004) applies to the above dimensions.

#### **■** Accessories

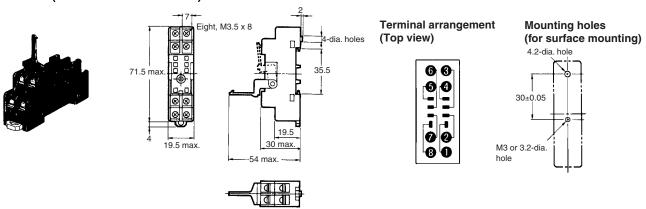
Track mounted socket P2RF-05 (UL E87929/CSA LR31928)



#### Track mounted socket P2RF-05-E (UL E87929/CSA LR31928)



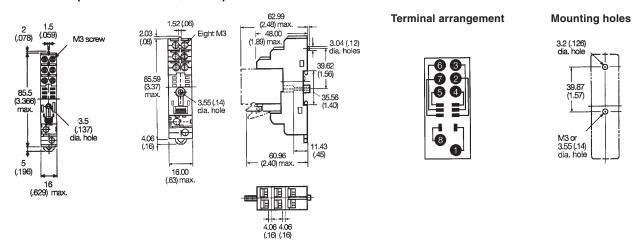
#### Track mounted socket P2RF-08 (UL E87929/CSA LR31928)



Note: 1. \_\_\_\_\_\_and \_\_ \_\_\_\_\_indicate mounting orientation marks.

**2.** A tolerance of  $\pm 0.10$  (0.004) applies to the above dimensions.

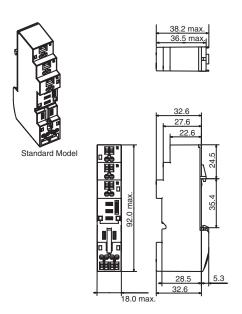
#### **Track mounted socket** P2RF-08-E (UL E87929/CSA LR31928)



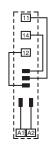
Note: 1. ///// and [ ] indicate mounting orientation marks.

2. A tolerance of ±0.10 (0.004) applies to the above dimensions.

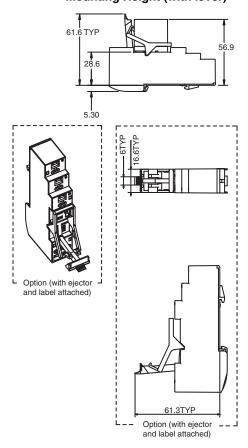
### Screwless Clamp Terminal Socket P2RF-05-S (UL E8729/CSA LR31928)



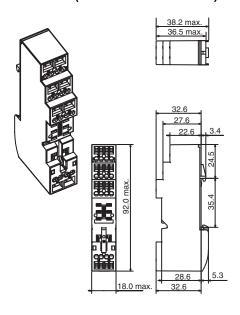
#### **Terminal Arrangement**



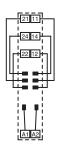
#### **Mounting Height (with lever)**



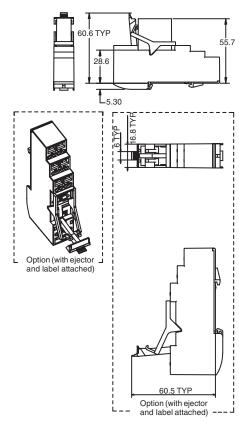
### Screwless Clamp Terminal Socket P2RF-08-S (UL E8729/CSA LR31928)



#### **Terminal Arrangement**

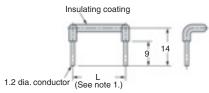


#### Mounting Height (with lever)



5.08 (.20)

#### **Socket**



Note: 1. The relationship between the model, the length L, and the color of the insulating coating is shown in the following table.

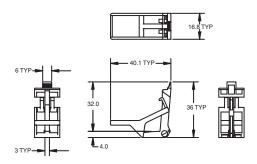
Model	Length (L) mm	Color of insulating coating
P2RM-SR	14.3	Red
P2RM-SB		Blue

- 2. The insulating coating must be able to withstand a voltage of 3,000 V for 1 minute. Use either PE or PA as the material of the insulating coating.
- 3. The positions of the ends of the insulating coating must not vary more than 0.5 mm.

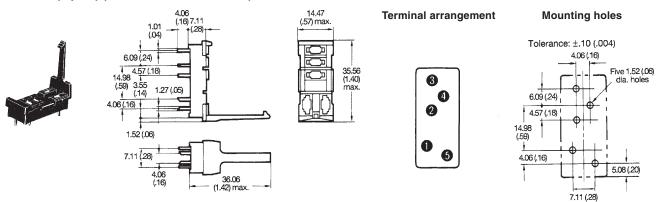
4. The characteristics of the socket bridge are shown in the following table.

Item	Characteristic
Rated ON current	10 A
Rated insulation voltage	250 VAC
Temperature rise	35°C max.
Dielectric strength	3,000 VAC for 1 minute
Ambient operating temperature	-55 to 70°C

#### Clip and Release Lever



#### **Back connecting socket** P2R-05P (1-pole) (UL E87929/CSA LR31928)

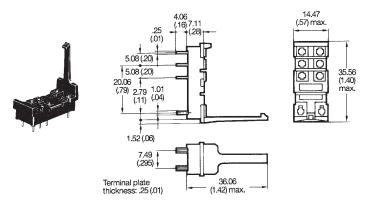


Note: 1. \_\_\_\_\_\_ and \_\_\_\_\_\_ indicate mounting orientation marks.

2. A tolerance of ±0.10 (0.004) applies to the above dimensions.



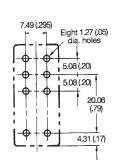
#### Back connecting socket P2R-08P (2-pole) (UL E87929/CSA LR31928)



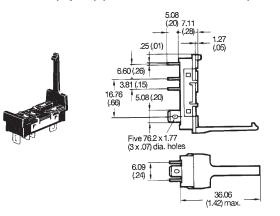
#### Terminal arrangement



#### **Mounting holes**



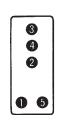
#### Back connecting socket P2R-05A (1-pole) (UL E87929/CSA LR31928)



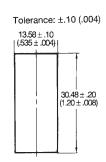
#### Terminal arrangement

14.47 (.57) max.

35.56 (1.40) max.

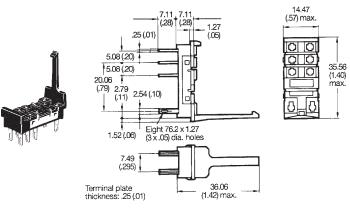


### Mounting holes (Bottom view)



Recommended thickness of the panel is 1.52 (.06) to 2.03 (.08)

#### Back connecting socket P2R-08A (2-pole) (UL E87929/CSA LR31928)

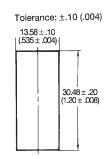


# Note: 1. \_\_\_\_\_ and \_\_ \_\_ \_ indicate mounting orientation marks. 2. A tolerance of ±0.10 (0.004) applies to the above dimensions.

#### Terminal arrangement



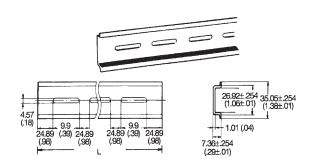
### Mounting holes (Bottom view)

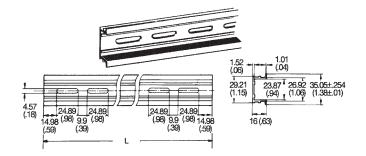


Recommended thickness of the panel is 1.52 (.06) to 2.03 (.08)

### Mounting track PFP-100N, PFP-50N

### Mounting track PFP-100N2





Note: 1. It is recommended that a panel thickness of 0.06 to 0.08 mm (0.002 to 0.003 in) be used.

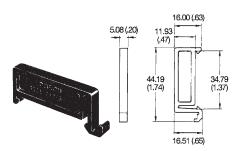
2. L = Length

PFP-100N ..... L = 990.60 mm (39.00 in) PFP-50N .... L = 497.84 mm (19.60 in) PFP-100N2 .... L = 990.60 mm (39.00 in)

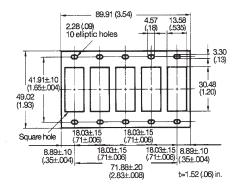
### End plate PFP-M

#### 9.90 (39) 1.77 (07) 1.43 (45) 1.77 (07) 1.77 (07) 1.77 (07) 1.77 (07) 1.77 (07) 1.77 (05) 1.77 (05) 1.77 (05) 1.77 (05) 1.77 (05) 1.77 (07) 1.77 (07) 1.77 (07) 1.77 (07) 1.77 (07) 1.77 (07) 1.77 (07) 1.77 (07) 1.77 (07) 1.77 (07)

#### Spacer PFP-S



### Connecting socket mounting plate P2R-P



### **■** Approvals

#### UL (File No. E41643)/ CSA (File No. 31928)

Туре	Contact form	Coil rating	Contact ratings
G2R-1	SPDT	3 to 110 VDC	10 A, 30 VDC (Resistive)
G2R-14		3 to 240 VDC	10 A, 250 VAC (General purpose)
G2R-1-H			10 A, 277 VAC (General purpose)
G2R-14-H			TV-3, 120 VAC (NO contact)
G2R-1-S			360 WT, 120 VAC (Tungsten)
G2R-1-T			1/3 HP, 125 VAC (NO contact)
G2R-1A	SPST-NO		1/2 HP, 250 VAC (NO contact)
G2R-1A4			1/2 HP, 277 VAC (NO contact)
G2R-1A-H			TV-8, 120 VAC (NO contact, ASI contacts)
G2R-1A4-H			B300 (Pilot duty)
G2R-1A-T			
G2R-1-E	SPDT	3 to 110 VDC	20 A, 277 VAC (General purpose)
		3 to 240 VAC	16 A, 30 VDC (Resistive)
			16 A, 250 VAC (General purpose)
			360 WT, 120 VAC (Tungsten)
			TV-3, 120 VAC (NO contact)
G2R-1A-E	SPST-NO		1/2 HP, 240 VAC
			1 HP, 240 VAC
			TV-8, 120 VAC (No contact, ASI contacts)
G2R-2	DPDT	3 to 110 VDC	10 A, 30 VDC (Resistive)
G2R-24		3 to 240 VAC	10 A, 277 VAC (General purpose)
G2R-2-H			5 A, 250 VAC (General purpose)
G2R-24-H			TV-3, 120 VAC (NO contact)
G2R-2-S			1/6 HP, 120 VAC
G2R-2-A			1/3 HP, 240 VAC
G2R-2A4			1/3 HP, 265 VAC
G2R-2A-H			250 VA, 120 VAC (Pilot duty)
G2R-2A4-H			B300 (Pilot duty)
G2RK-1	SPDT	3 to 24 VDC	10 A, 30 VDC (Resistive)
G2RK-1A	SPST-NO		10 A, 250 VAC (General purpose)
			TV-3 (NO contact)
			1/6 HP, 120 VAC
			1/2 HP, 120 VAC
			A300 (Pilot duty)
G2RK-2	DPDT	3 to 24 VDC	5 A, 30 VDC (Resistive)
G2RK-2A	DPST-NO		5 A, 250 VAC (General purpose)
			TV-3 (NO contact)
			1/6 HP, 120 VAC
			1/3 HP, 240 VAC

Note: 1. The rated values approved by each of the safety standards (e.g., UL and CSA) may be different from the performance characteristics individually defined in this catalog.

<sup>2.</sup> In the interest of product improvement, specifications are subject to change.



ALL DIMENSIONS SHOWN ARE IN MILLIMETERS. To convert millimeters into inches, divide by 25.4

OMRON

OMRON ELECTRONICS LLC One Commerce Drive Schaumburg, IL 60173 847-882-2288 OMRON CANADA, INC. 885 Milner Avenue Toronto, Ontario M1B 5V8 416-286-6465 **OMRON ON-LINE** 

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Cat. No. GC RLY8

5/03

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G2R-2-SND-DC24(S)

#### ΕN

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#### FR

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