

Model Number Legend

G2R --- VDC
 1 2 3 4 5 6 7 8 9 10

1. Relay Function

None: Single-side stable

K: Double-winding latching.

2. Number of Poles

1: 1 pole

2: 2 poles

3. Contact Form

None: PDT

A: PST-NO

4. Contact Type

None: Single

Z: Bifurcated

3: Bifurcated crossbar

5. Enclosure Ratings

None: Flux protection

4: Fully sealed

6. Terminals

None: Straight PCB

S: Plug-in

T: Quick-connect (upper bracket mounting)

7. Classification

None: General-purpose

E: High-capacity

H: High-sensitivity

N: LED indicator

D: Diode

ND: LED indicator and diode

8. Test button

I: Test button

Note: Applied for only SN and SND type

9. Contact Material

None: AgCdO

ASI: AgSnIn

10. Rated Coil Voltage

Refer to *Coil Ratings*.

■ Accessories (Order Separately)

Connecting Sockets

Number of poles	Applicable Relay model	Track/surface-mounting Socket	Back-mounting Socket	
			Terminals	Model
1 pole	G2R-1-S(N)(D)(ND)(NI)(NDI)G2R-13-S (G2R-1A3-S)	P2RF-05-E P2RF-05	PCB terminals	P2R-05P, P2R-057P
			Solder terminals	P2R-05A
2 poles	G2R-2-S(N)(D)(ND)(NI)(NDI)	P2RF-08-E P2RF-08	PCB terminals	P2R-08P, P2R-087P
			Solder terminals	P2R-08A

Note: See *Dimensions* for details on socket size.

Mounting Track

Applicable socket	Description	Model
Track connecting socket	Mounting track	50 cm (t) x 7.3 mm (t): PFP-50N 1 m (t) x 7.3 mm (t): PFP-100N 1 m (t) x 16 mm (t): PFP-100N2
	End plate	PFP-M
	Spacer	PFP-S
Back connecting socket	Mounting plate	P2R-P*

*Used to mount several P2R-05A and P2R-08A connecting sockets side by side.

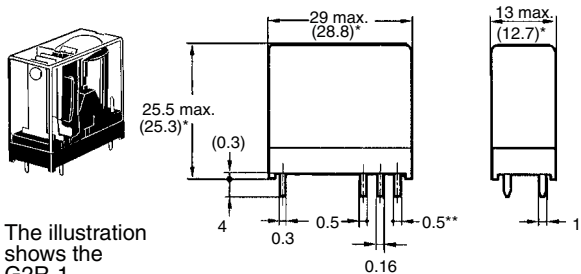
Dimensions

Note: 1. All units are in millimeters unless otherwise indicated.

2. Orientation marks are indicated as follows:  

Relays with PCB Terminals

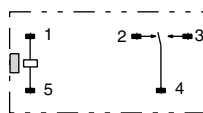
SPDT Relays G2R-1, G2R-1Z, G2R-1-H



The illustration shows the G2R-1.

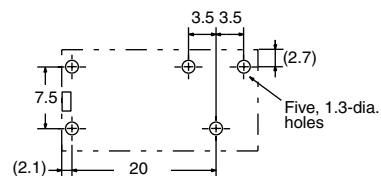
*Average value
**0.3 (-H Type)

Terminal Arrangement/ Internal Connections (Bottom View)



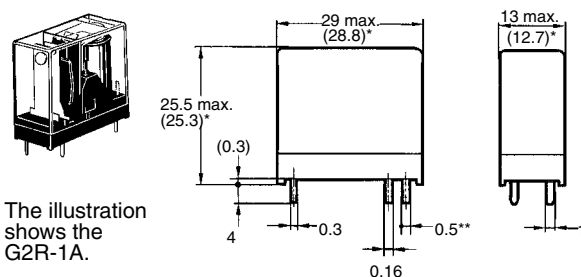
Mounting Holes (Bottom View)

Tolerance: ± 0.1



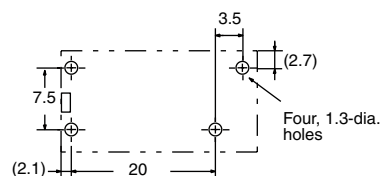
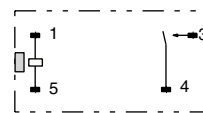
(No coil polarity)

SPST-NO Relays G2R-1A, G2R-1AZ, G2R-1A-H



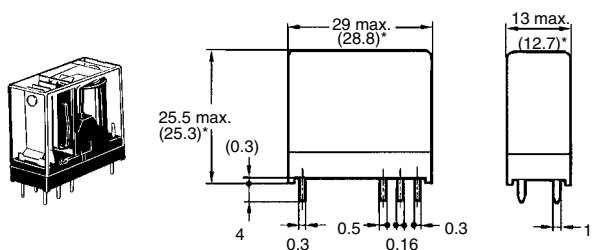
The illustration shows the G2R-1A.

*Average value
**0.3 (-H Type)

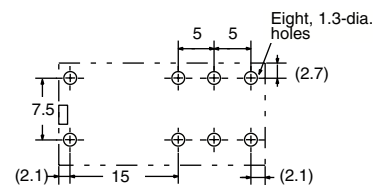
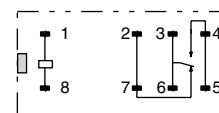


(No coil polarity)

SPDT/High-capacity Relays G2R-1-E

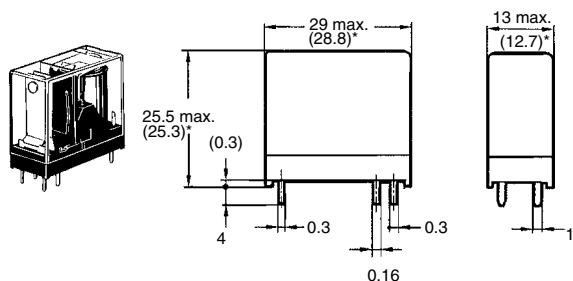


*Average value

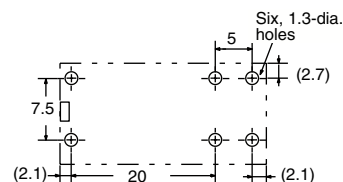


(No coil polarity)

SPST-NO/High-capacity Relays G2R-1A-E



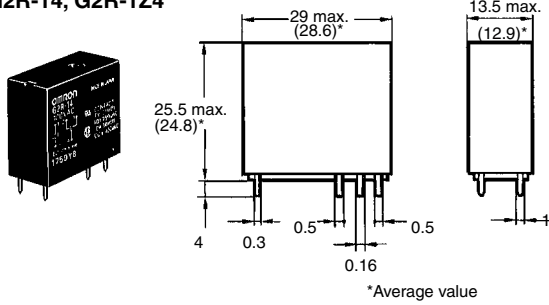
*Average value



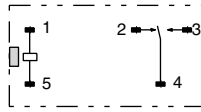
(No coil polarity)

Relays with PCB Terminals

**SPDT Relays
G2R-14, G2R-1Z4**

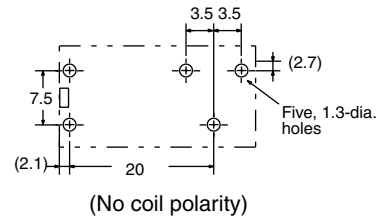


**Terminal Arrangement/
Internal Connections
(Bottom View)**

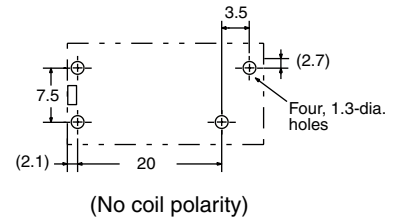
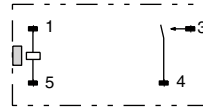
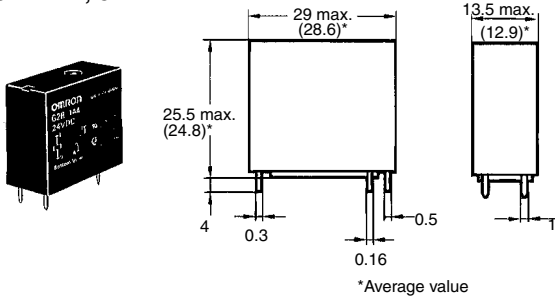


**Mounting Holes
(Bottom View)**

Tolerance: ± 0.1

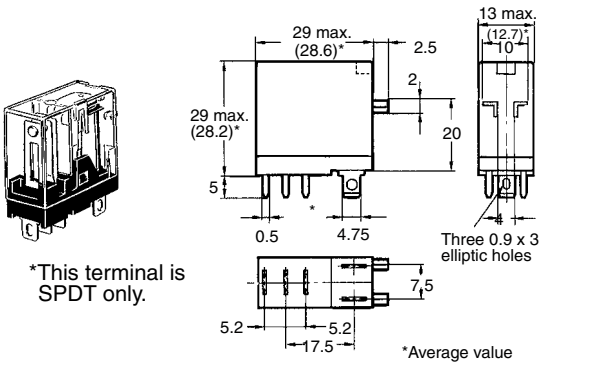


**SPST-NO Relays
G2R-1A4, G2R-1AZ4**



Relays with Plug-in Terminals

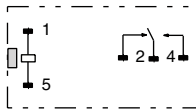
**SPDT Relays
G2R-1-S, G2R-1-SD, G2R-1-SN, G2R-1-SND, G2R-1-SNI, G2R-1-SNDI
G2R-13-S, G2R-13-SD, G2R-13-SN, G2R-13-SND**



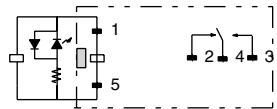
*This terminal is SPDT only.

**Terminal Arrangement/Internal Connections
(Bottom View)**

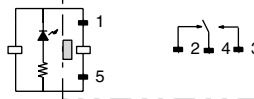
G2R-1-S, G2R-13-S



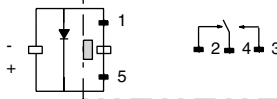
**G2R-1-SN, G2R-1-SNI,
G2R-13-SN (AC)**



**G2R-1-SN, G2R-1-SNI,
G2R-13-SN (DC)**



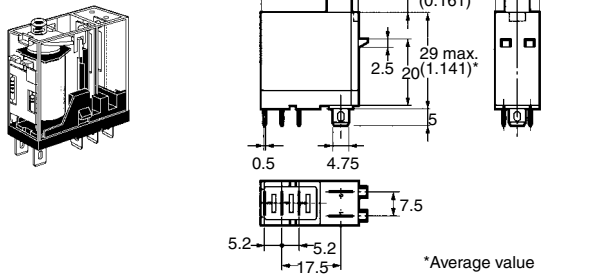
**G2R-1-SD, G2R-13-SD
(DC)**



**G2R-1-SND, G2R-1-SNDI,
G2R-13-SND (DC)**

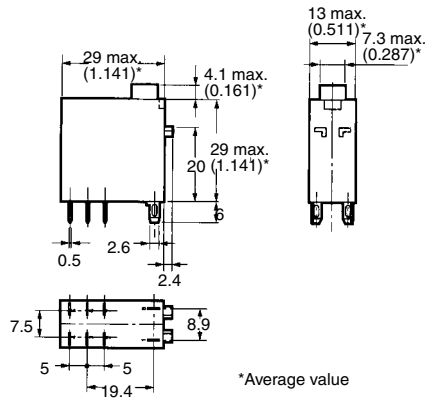
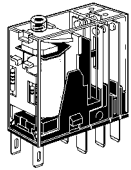
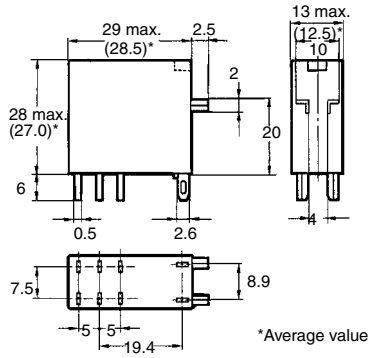
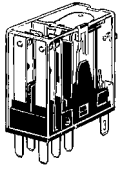


(After confirming coil polarity, wire correctly.)
(Except G2R-1-S, G2R-13-S)



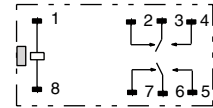
DPDT Relays

G2R-2-S, G2R-2-SD, G2R-2-SN, G2R-2-SNI, G2R-2-SNDI, G2R-2-SND

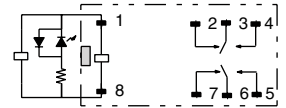


Terminal Arrangement/Internal Connections (Bottom View)

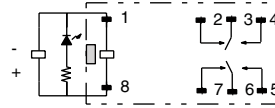
G2R-2-S



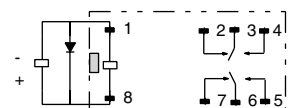
G2R-2-SN G2R-2-SNI (AC)



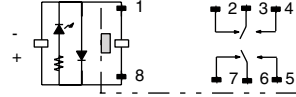
G2R-2-SN G2R-2-SNI (DC)



G2R-2-SD (DC)



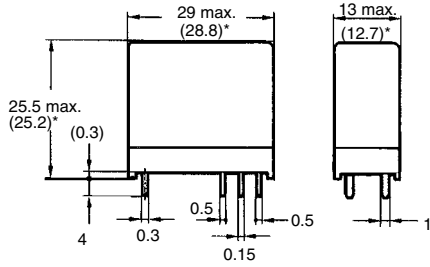
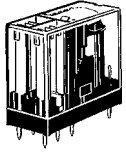
G2R-2-SND G2R-2-SNDI (DC)



(After confirming coil polarity, wire correctly.)

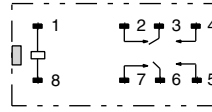
Relays with PCB Terminals

**DPDT Relays
G2R-2, G2R-2-H**



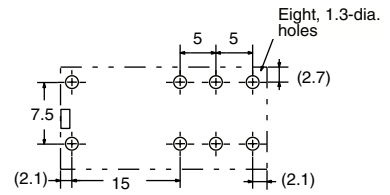
*Average value

**Terminal Arrangement/
Internal Connections
(Bottom View)**



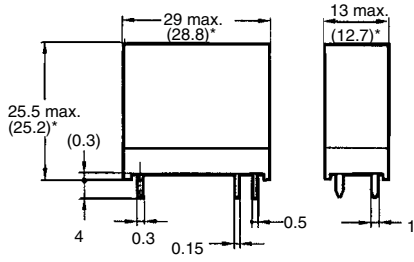
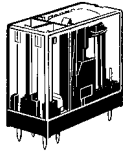
**Mounting Holes
(Bottom View)**

Tolerance: ± 0.1

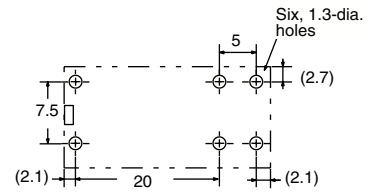
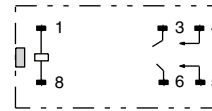


(No coil polarity)

**DPST-NO Relays
G2R-2A, G2R-2A-H**

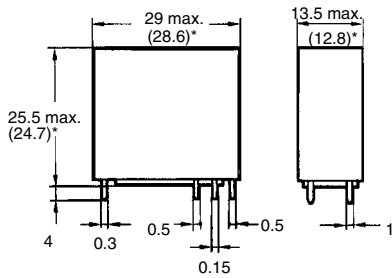
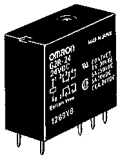


*Average value

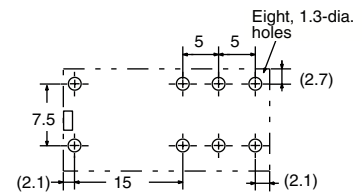
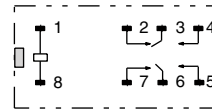


(No coil polarity)

**DPDT Relays
G2R-24**

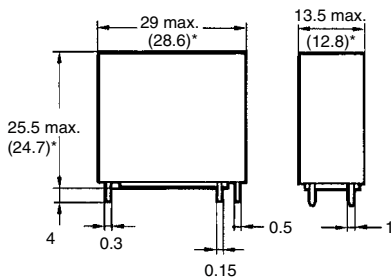
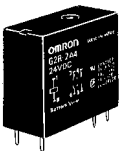


*Average value

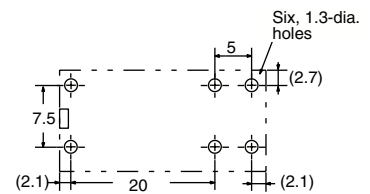
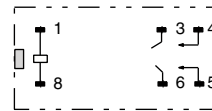


(No coil polarity)

**DPST-NO Relays
G2R-2A4**



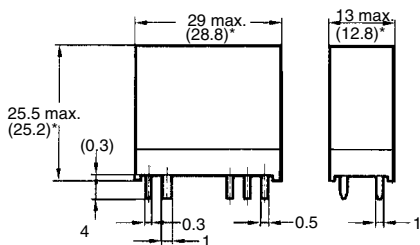
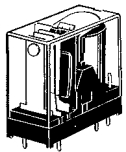
*Average value



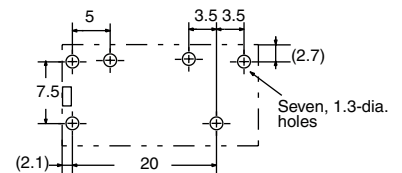
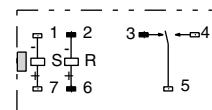
(No coil polarity)

Double-winding Latching Relays with PCB Terminals

**SPDT Relays
G2RK-1**



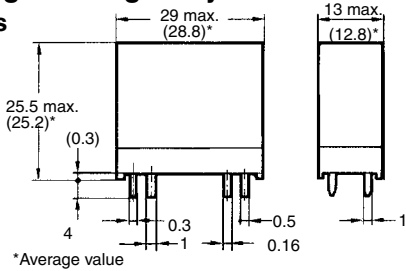
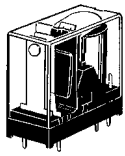
*Average value



(After confirming coil polarity, wire correctly.)

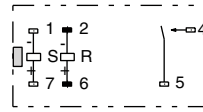
Double-winding Latching Relays with PCB Terminals

**SPST-NO Relays
G2RK-1A**



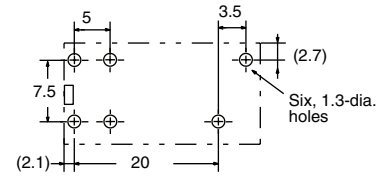
*Average value

**Terminal Arrangement/
Internal Connections
(Bottom View)**



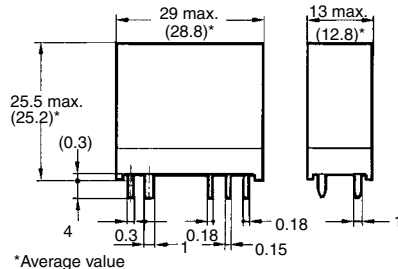
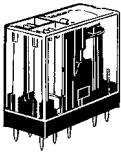
**Mounting Holes
(Bottom View)**

Tolerance: ± 0.1

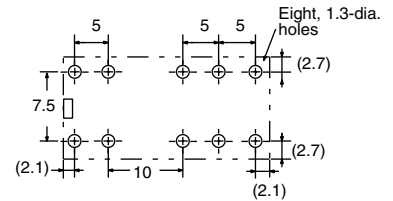
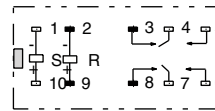


(After confirming coil polarity, wire correctly.)

**DPDT Relays
G2RK-2**

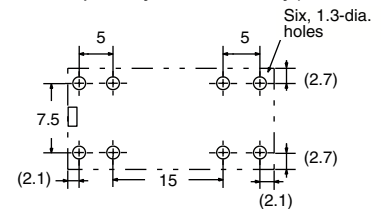
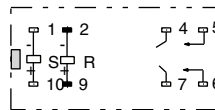
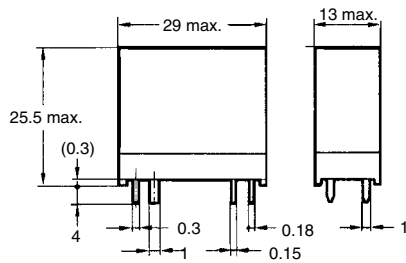
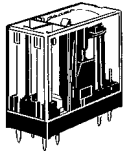


*Average value



(After confirming coil polarity, wire correctly.)

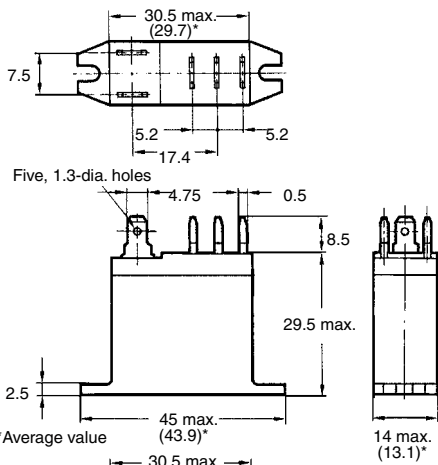
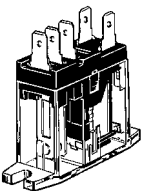
**DPST-NO Relays
G2RK-2A**



(After confirming coil polarity, wire correctly.)

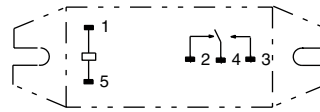
Relays with Quick-connect Terminals

**SPDT Relays
G2R-1-T**



*Average value

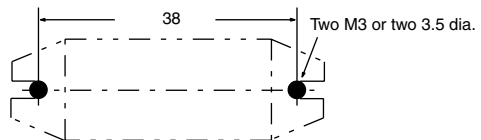
**Terminal Arrangement/Internal Connections
(Bottom View)**



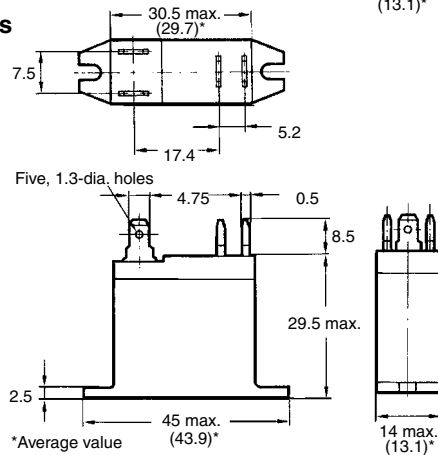
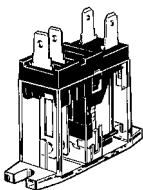
(No coil polarity)

Mounting Holes (Bottom View)

Tolerance: ± 0.1

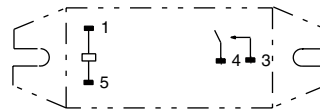


**SPST-NO Relays
G2R-1A-T**



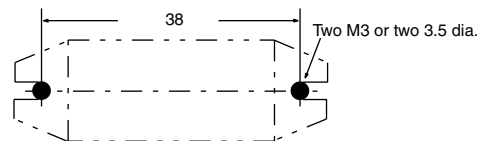
*Average value

**Terminal Arrangement/Internal Connections
(Bottom View)**



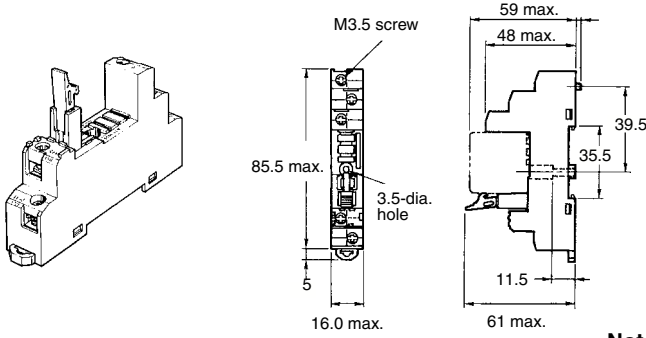
(No coil polarity)

Mounting Holes (Bottom View)

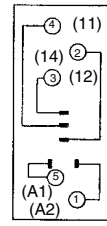


Note: Model number of quick-connect terminal is 187.

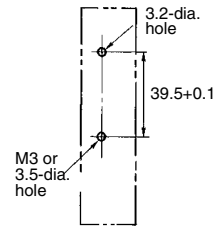
Track/Surface Mounting Sockets
P2RF-05-E



Terminal Arrangement
(Top View)

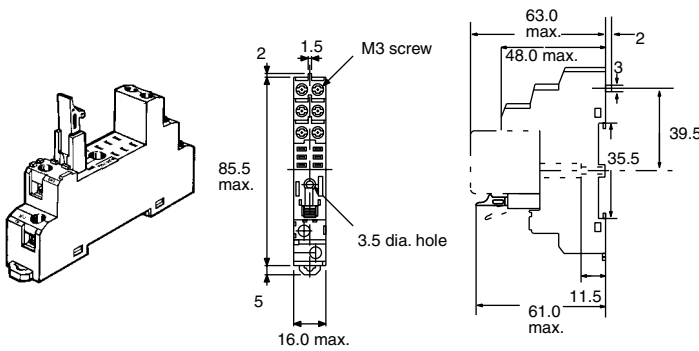


Mounting Holes
(for Surface Mounting)

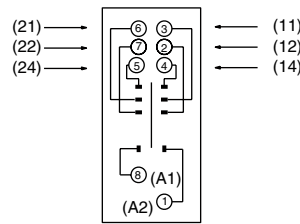


Note: Pin numbers in parentheses apply to DIN standard.

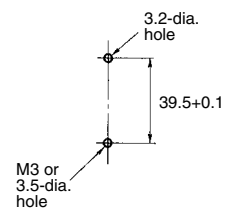
P2RF-08-E



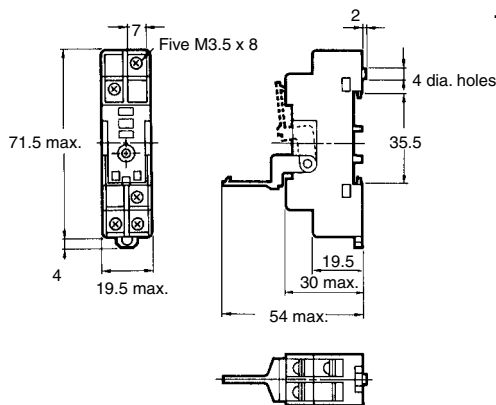
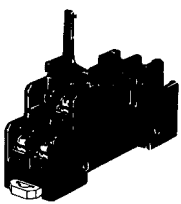
Terminal Arrangement
(Top View)



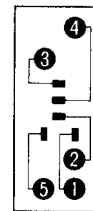
Mounting Holes
(for Surface Mounting)



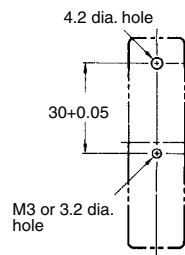
P2RF-05



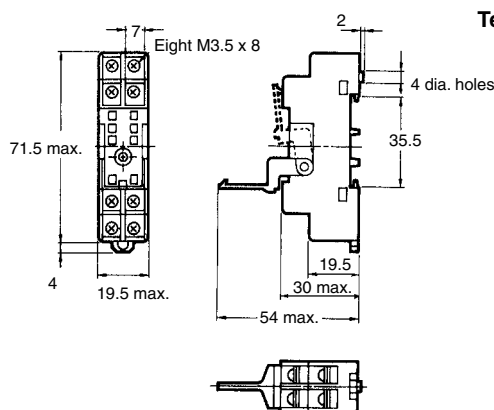
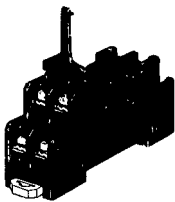
Terminal Arrangement



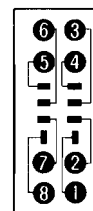
Mounting Holes
(for Surface Mounting)



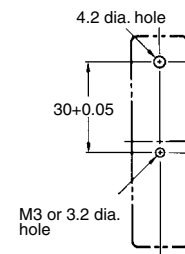
P2RF-08



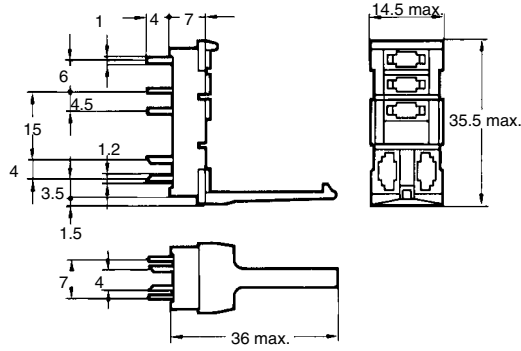
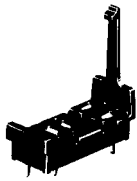
Terminal Arrangement



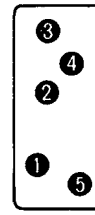
Mounting Holes
(for Surface Mounting)



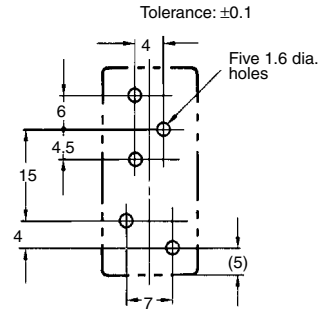
Back Connecting Sockets
P2R-05P (1-pole)



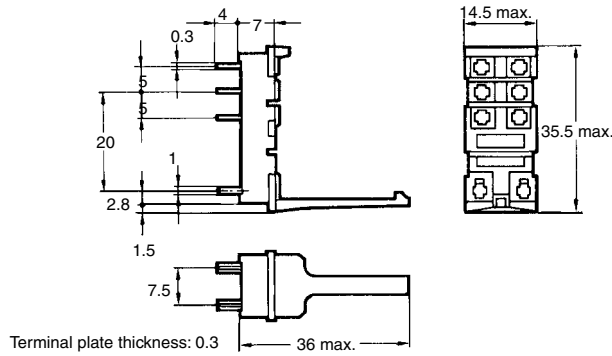
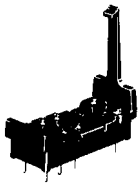
Terminal Arrangement



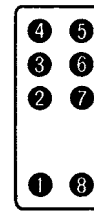
Mounting Holes



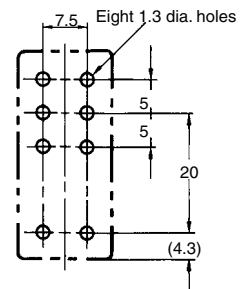
P2R-08P (2-pole)



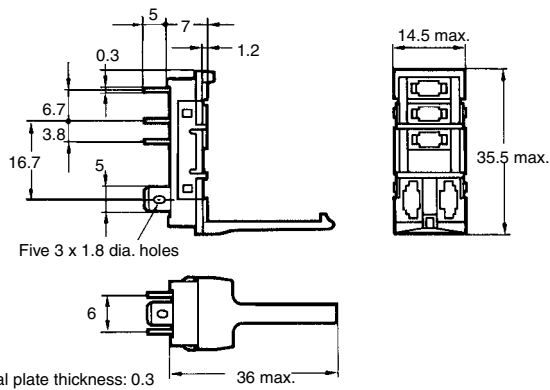
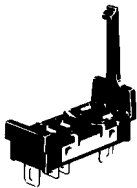
Terminal Arrangement



Mounting Holes



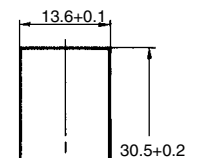
P2R-05A (1-pole)



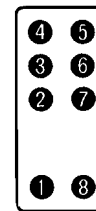
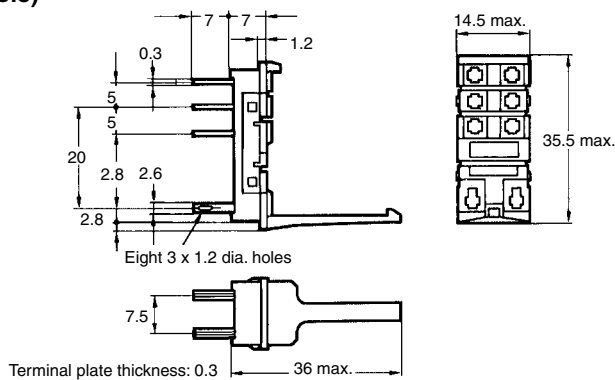
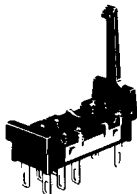
Terminal Arrangement



Panel Cutout

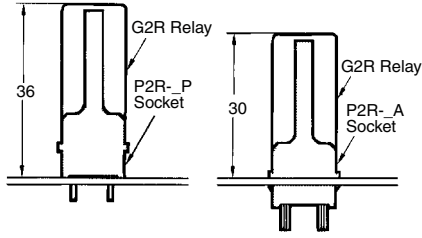


P2R-08A (2-pole)



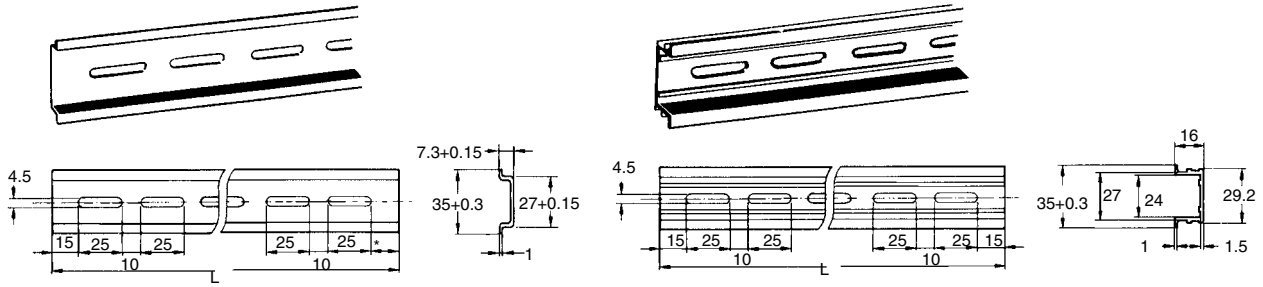
Recommended thickness of the panel is 1.6 to 2.0 mm

Mounting Height of Relay with Socket



**Mounting Track
PFP-100N, PFP-50N**

PFP-100N2



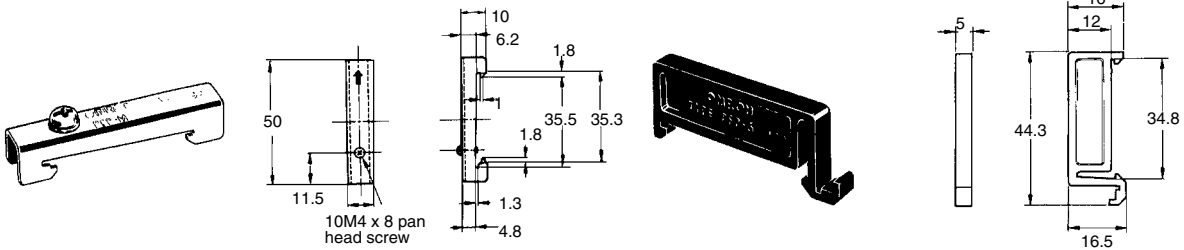
It is recommended to use a panel 1.6 to 2.0 mm thick.

L: Length

1 m	PFP-100N
50 cm	PFP-50N
1 m	PFP-100N2

**End Plates
PFP-M**

**Spacers
PFP-S**



**Mounting Plates
P2R-P**

