# TAKAMISAWA (Fujitsu) Power Relay 1 POLE-5A NYP24W-K

#### **■** Features

- Slim type with 5mm thickness
- Low power consumption and high sensitivity



## **■** Coil Specifications

Model	Rated voltage	Must operate voltage	Must release voltage	Rated current	Coil resistance	Power consumption
NYP24W-K	24VDC	16.1V	2.4V	5mA	4,800Ω	120mW

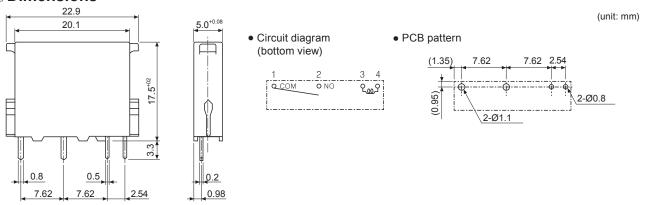
<sup>%</sup> All values in the table are measured at 20 °C with a tolerance of ±10%.

#### Contact Specifications

Manufactu	re		TAKAMISAWA (Fujitsu)		
Model			NYP24W-K		
	Arrangement		1 Form A (SPST-1a)		
Contact	Material		Gold overlay silver alloy		
	Resistance	e (initial)	30mΩ (6VDC 1A)		
	Rated load	I	3A 250VAC	3A 30VDC	
	Max. switc	hing capacity	750VA	90W	
Rating	Min. switch	ning capacity	5VDC 1mA		
	Max. switc	hing voltage	270VAC	150VDC	
	Max. switc	hing current	5A		
οū	Insulation	resistance	Min. 1,000MΩ (at 500VDC megger)		
teristic	Dielectric	Between contact-coil	3,000VAC 50/60Hz for 1 minute		
Electrical characteristics	strength	Between open contacts	750VAC 50/60Hz for 1 minute		
<u>ica</u>	Surge volta	age	5,080V		
lectr	Operate tir	ne	Max. 10ms		
Ш	Release tir	me	Max. 5ms		
lcs	Vibration	Mechanical	5.0mm amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 1 hour		
Mechanical characteristics	Vibration	Malfunction	1.5mm amplitude at frequency of 10 to 55 H.	z (for 1 min) in each X, Y, Z direction for 10 minute	
lech: aract	Chook	Mechanical	1000m/s² (approx. 100G) in each X, Y, Z direction for 3 times		
≥ ÿ	Shock Malfunction		100m/s² (approx.10G) in each X, Y, Z direction for 3 times		
Life	Mechanical		Min. 20,000,000 operations (at 180 operations/min)		
expectancy	Cy Electrical <sup>×1</sup>		Min. 100,000 operations (3A 250VAC, 30VDC resistive load)		
Environ-	Ambient te	mperature	-40 to 90°C		
ment	Ambient h	umidity	35 to 80%RH		
Weight			Approx. 3.5g		

X1: 50,000 operations: 5A 250VAC, 5A 30VDC resistive load (per 20 operations/min)

### Dimensions



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<sup>\*</sup>Environment resistance is rated at no freezing or condensation.

# MATSUSHITA (Panasonic) Power Relay 1 POLE-5A PA1a-24V

#### **■** Features

- Slim type with 5mm thickness
- Excellent durability resistance against vibration and shock



## **■** Coil Specifications

Model	Rated voltage	Must operate voltage	Must release voltage	Rated current	Coil resistance	Power consumption
PA1a-24V	24VDC	Min. 70% of rated voltage	Max. 70% of rated voltage	7.5mA	3,200Ω	180mW

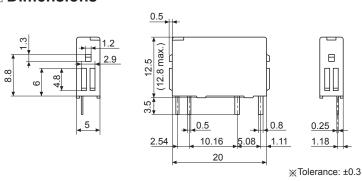
% All values in the table are measured at 20 ℃ with a tolerance of ±10%.

#### Contact Specifications

	incations			
re		MATSUSHITA (Panasonic)		
		PA1a-24V		
Arrangement		1 Form A (SPST-1a)		
Material		Au-clad AgNi type		
Resistance	(initial)	30mΩ (6VDC 1A)		
Rated load		5A 250VAC	5A 30VDC	
Max. switch	ning capacity	1,250VA	150W	
Min. switch	ing capacity	100mVDC 100uA		
Max. switch	ning voltage	250VAC	110VDC	
Max. switch	ning current	5A		
Insulation r	esistance	Min. 1,000MΩ (at 500VDC megger)		
Dielectric	Between contact-coil	2,000VAC 50/60Hz for 1 minute		
strength	Between open contacts	1,000VAC 50/60Hz for 1 minute		
Surge volta	ge	4,000V		
Operate tim	ne	Max. 10ms		
Release tin	ne	Max. 5ms		
Vibration	Mechanical	3.5mm amplitude at frequency of 10 to 55 Hz	(for 1 min) in each X, Y, Z direction for 1 hour	
Vibration	Malfunction	2.5mm amplitude at frequency of 10 to 55 Hz	(for 1 min) in each X, Y, Z direction for 10 minute	
Chask	Mechanical	980m/s <sup>2</sup> (approx. 100G) in each X, Y, Z direct	ion for 3 times	
SHOCK	Malfunction	147m/s <sup>2</sup> (approx. 15G) in each X, Y, Z direction	on for 3 times	
Life Mechanical		Min. 20,000,000 operations (at 180 operations	s/min)	
Cy Electrical*1		Min. 100,000 operations (3A 250VAC, 30VDC resistive load)		
Ambient ter	mperature	-40 to 70°C		
Ambient hu	midity	5 to 85%RH		
		Approx. 3g		
	Arrangeme Material Resistance Rated load Max. switch Min. switch Max. switch Insulation re Dielectric strength Surge volta Operate tim Release tin Vibration Shock Mechanical Electrical*1	Arrangement  Material  Resistance (initial)  Rated load  Max. switching capacity  Min. switching capacity  Max. switching voltage  Max. switching current  Insulation resistance  Dielectric strength  Between contact-coil  Between open contacts  Surge voltage  Operate time  Release time  Vibration  Mechanical  Malfunction  Mechanical  Malfunction	PA1a-24V  Arrangement 1 Form A (SPST-1a)  Material Au-clad AgNi type  Resistance (initial) 30mΩ (6VDC 1A)  Rated load 5A 250VAC  Max. switching capacity 1,250VA  Min. switching capacity 100mVDC 100uA  Max. switching current 5A  Insulation resistance Min. 1,000MΩ (at 500VDC megger)  Dielectric strength Between contact-coil Between open contacts  Surge volta⊎ 4,000V  Operate time Max. 10ms  Release time Max. 5ms  Vibration Mechanical Malfunction 2.5mm amplitude at frequency of 10 to 55 Hz  Machanical Malfunction 147m/s² (approx. 150G) in each X, Y, Z direction Mechanical  Min. 20,000,000 operations (3A 250VAC, 30VDC Ambient temperature 40 to 70°C  Ambient humidity 5 to 85%RH	

 $\times\!\!\!/1$ : 50,000 operations-5A 250VAC, 5A 30VDC resistive load (per 20 operations/min)  $\times\!\!\!/$  Environment resistance is rated at no freezing or condensation.

#### Dimensions



Circuit diagram (unit: mm)
(bottom view)

N.O COM
Coil

PCB pattern
2-Ø1.0

2.54 | 10.16 | 5.08

I/O Terminal Blocks

AFS(Interface Terminal Block) AFL/AFR(Interface Terminal Block)

Terminal Block)

AFE(Sensor Connectorminal Block)

ABS(Relay Terminal Block)

Power Relay

I/O Cables

MITSUBISHI
LSIS
Autonics

RS Automation
YOKOGAWA

FUJI

OMRON

TELEMECANIQUE For SERVO

Open Type Cables

Cable Appearance

Remote I/O

Standard Terminal Type)

ARD(DeviceNet Digital
Sensor Connector Type)

ARD(DeviceNet Analog
Standard Terminal Type)

ARM(Modbus Digital
Sensor Connector Type)

Others

Sensor Connectors

Sockets

Sensor Distribution
Boxes

Valve Plugs
Thumbwheel
Switches

# MATSUSHITA (Panasonic) Power Relay 1 POLE-5A PQ1a-24V

#### ■ Features

- Slim type
- Excellent durability resistance against vibration and shock



## ■ Coil Specifications

Model	Rated voltage	Must operate voltage	Must release voltage	Rated current	Coil resistance	Power consumption
PQ1a-24V	24VDC	Min. 75% of rated voltage	Max. 5% of rated voltage	8.3mA	2,880Ω	200mW

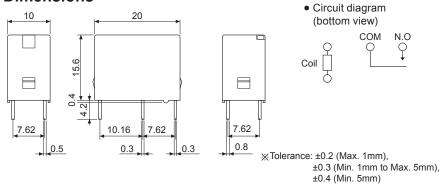
\*\*All values in the table are measured at 20 °C with a tolerance of ±10%.

### Contact Specifications

Model	Manufactur	е		MATSUSHITA (Panasonic)		
Material   Au-clad AgNi type	Model			PQ1a-24V		
Resistance (initial) 50mΩ (6VDC 1A)  Rated load (resistive load) 5A 250VAC 5A 30VDC  Max. switching power (resistive load) 5A 250VAC 150W  Max. switching voltage 250VAC 110VDC  Max. switching current 5A  Insulation resistance (initial) 5m. 1,000MΩ (at 500VDC megger)  Insulation resistance (initial) 6Min. 1,000MΩ (at 500VDC meg		Arrangeme	ent	1 Form A (SPST-1a)		
Rating Rating Rated load (resistive load)  Max. switching power (resistive load)  Max. switching voltage  Max. switching current  Say Insulation resistance (initial)  Dielectric strength  Dielectric strength  Dielectric strength  Dielectric strength  Retween open contacts  Surge voltage  Retween open contacts  Surge voltage  Release time (supplying rated voltage)  Max. 10ms  Max. 10ms  Max. 10ms  Max. 10ms  Max. 20ms  Max. 10ms  Max.	Contact	Material		Au-clad AgNi type		
Max. switching power (resistive load)   1,250VA   150W		Resistance	e (initial)	50mΩ (6VDC 1A)		
Rating   (resistive load)   1,250VA   150W     Max. switching voltage   250VAC   110VDC     Max. switching current   5A     Insulation resistance (initial)   Min. 1,000MΩ (at 500VDC megger)     Insulation resistance (initial)   Min. 1,000MΩ (at 500VDC megger)     Insulation resistance (initial)   Min. 1,000VAC 50/60Hz for 1 minute     Insulation resistance (initial)   Min. 1,000VAC 50/60Hz for 1 minute     Insulation resistance (initial)   Min. 1,000VAC 50/60Hz for 1 minute     Insulation resistance (initial)   Min. 1,000VAC 50/60Hz for 1 minute     Insulation resistance (initial)   Min. 1,000VAC 50/60Hz for 1 minute     Insulation resistance (initial)   Min. 1,000VAC 50/60Hz for 1 minute     Insulation resistance (initial)   Min. 1,000VAC 50/60Hz for 1 minute     Insulation resistance (initial)   Min. 1,000VAC 50/60Hz for 1 minute     Insulation resistance (initial)   Max. 20ms     Insulation resistance (initial)   Max. 2,000VAC 50/60Hz for 1 minute     Insulation resistance (initial)   Max. 2,000VAC 50/60Hz for 1 minute     Insulation resistance (initial)   Max. 2,000VAC 50/60Hz for 1 minute     Insulation resistance (initial)   Max. 2,000VAC 50/60Hz for 1 minute     Insulation resistance (initial)   Max. 2,000VAC 50/60Hz for 1 minute     Insulation resistance (initial)   Max. 2,000VAC 50/60Hz for 1 minute     Insulation resistance (initial)   Max. 2,000VAC 50/60Hz for 1 minute     Insulation resistance (initial)   Max. 2,000VAC 50/60Hz for 1 minute     Insulation resistance (initial)   Max. 2,000VAC 50/60Hz for 1 minute     Insulation resistance (initial)   Max. 2,000VAC 50/60Hz for 1 minute     Insulation resistance (initial)   Max. 2,000VAC 50/60Hz for 1 minute     Insulation resistance (initial)   Max. 2,000VAC 50/60Hz for 1 minute     Insulation resistance (initial)   Max. 2,000VAC 50/60Hz for 1 minute     Insulation resistance (initial)   Max. 2,000VAC 50/60Hz for 1 minute     Insulation resistance (initial)   Max. 2,000VAC 50/60Hz for 1 minute     Insulation resistance (initial)   Max. 2,000VAC 50/6		Rated load	(resistive load)	5A 250VAC	5A 30VDC	
Max. switching current    Max. switching current   5A	Rating			1,250VA	150W	
Insulation resistance (initial)   Min. 1,000MΩ (at 500VDC megger)		Max. switc	hing voltage	250VAC	110VDC	
Initial   Min. 1,000MΩ (at 500VDC megger)		Max. switc	hing current	5A		
Dielectric strength  Dielectri			resistance	Min. 1,000MΩ (at 500VDC megger)		
Coperate time (supplying rated voltage)   Coperate time (supplying rated voltage)   Release time (supplying rated voltage)   Max. 10ms	g			4,000VAC 50/60Hz for 1 minute		
Coperate time (supplying rated voltage)   Coperate time (supplying rated voltage)   Release time (supplying rated voltage)   Max. 10ms	ctrical			1,000VAC 50/60Hz for 1 minute		
Coperate time (supplying rated voltage)   Coperate time (supplying rated voltage)   Release time (supplying rated voltage)   Max. 10ms	Elec	Surge volta	age	8,000V		
(supplying rated voltage)    Supplying rated voltage   Max. 10ms	5			Max. 20ms		
Vibration Malfunction 2.0mm amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 10 minute  Shock Mechanical 980m/s² (approx. 100G) in each X, Y, Z direction for 3 times  Life Mechanical Min. 20,000,000 operations (at 180 operations/min)  Expectancy Electrical **1 Min. 100,000 operations (5A 250VAC, 30VDC resistive load)  Environ- Ambient temperature -40 to 70°C		l		Max. 10ms		
Life Mechanical Min. 20,000,000 operations (at 180 operations/min) expectancy Electrical <sup>×1</sup> Min. 100,000 operations (5A 250VAC, 30VDC resistive load) Environ- Ambient temperature -40 to 70°C	ics in	Vibration	Mechanical	3.5mm amplitude at frequency of 10 to 55 Hz (for 1	min) in each X, Y, Z direction for 1 hour	
Life Mechanical Min. 20,000,000 operations (at 180 operations/min) expectancy Electrical <sup>×1</sup> Min. 100,000 operations (5A 250VAC, 30VDC resistive load) Environ- Ambient temperature -40 to 70°C	anica	Vibration	Malfunction	2.0mm amplitude at frequency of 10 to 55 Hz (for 1	min) in each X, Y, Z direction for 10 minute	
Life Mechanical Min. 20,000,000 operations (at 180 operations/min) expectancy Electrical <sup>×1</sup> Min. 100,000 operations (5A 250VAC, 30VDC resistive load) Environ- Ambient temperature -40 to 70°C	lech araci	Shock	Mechanical	980m/s <sup>2</sup> (approx. 100G) in each X, Y, Z direction fo	r 3 times	
expectancy   Electrical <sup>×1</sup>   Min. 100,000 operations (5A 250VAC, 30VDC resistive load)   Environ-   Ambient temperature   -40 to 70°C	Malfunction		Malfunction	294m/s² (approx. 15G) in each X, Y, Z direction for 3 times		
Environ- Ambient temperature -40 to 70°C	Life	Life Mechanical		Min. 20,000,000 operations (at 180 operations/min)	)	
LITATION -	expectancy	xpectancy Electrical <sup>×1</sup>		Min. 100,000 operations (5A 250VAC, 30VDC resistive load)		
ment Ambient humidity 5 to 85%RH	Environ-	Ambient te	mperature	-40 to 70°C		
	ment	Ambient hu	umidity	5 to 85%RH		
Weight Approx. 7g	Weight			Approx. 7g		

<sup>※1: 20</sup> operations per 1 minute

#### Dimensions



(unit: mm)

• PCB pattern

10.16

7.62

4-Ø1.3

\*\*Tolerance: ±0.1

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<sup>\*\*</sup>Environment resistance is rated at no freezing or condensation.

# MATSUSHITA (Panasonic) Power Relay Plug-In Type 1 Form C

#### ■ Features

- Slim type
- High capacity, high reliability

### ■ Coil Specifications

Model	Rated voltage	Must operate voltage	Must release voltage	Rated current		Power consumptio	n
AHN12024	24VDC	Min. 70% of rated voltage	Max. 15% of rated voltage	22mA		0.53W	
				50Hz	60Hz	50Hz	60Hz
AHN110X0	100/110VAC	Min. 80% of rated voltage	Max. 30% of rated voltage	11/13mA	9/10.6mA	1.1 to 1.4VA	0.9 to 1.2VA
				50Hz	60Hz	50Hz	60Hz
AHN110Y0	OYO 200/220VAC Min. 80% of rated voltage Max. 30% of rated vo	Max. 30% of rated voltage	5.5/6.5mA	4.5/5.3mA	1.1 to 1.4VA	0.9 to 1.2VA	

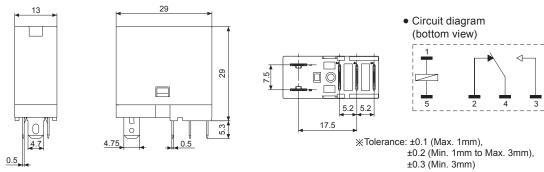
### **■** Contact Specifications

	. Opoc	illications				
Manufacture			MATSUSHITA (Panasonic)			
Model			AHN12024	AHN110X0	AHN110Y0	
A	rrangeme	ent	1 Form C			
Contact M	/laterial		AgSnO <sub>2</sub> type			
R	Resistance	e (initial)	Max. 100mΩ (6VDC 1A)			
R	Rated load	I (resistive load)	10A 250VAC, 10A 30VDC			
	lax. switch	hing power pad)	4,000VA, 300W			
M	lax. switc	hing voltage	250VAC, 30VDC			
M	lax. switc	hing current	16A (AC load), 10A (DC load)			
In	nsulation r	resistance (initial)	Min. 1,000M $\Omega$ (at 500VDC megg	ger)		
S D		Between contact-coil	5,000VAC 50/60Hz for 1 minute			
Electrical characteristics po O	- 1	Between open contacts	1,000VAC 50/60Hz for 1 minute			
chara	Operate time (supplying rated voltage)		Max. 15ms			
(s	Release tir supplying	ne rated voltage)	Max. 5ms			
tics	ibration	Mechanical	1.5mm amplitude at frequency o	f 10 to 55 Hz (for 1 min) in each $\lambda$	X, Y, Z direction for 1 hour	
anic	ibration	Malfunction	1.5mm amplitude at frequency o	f 10 to 55 Hz (for 1 min) in each $\lambda$	X, Y, Z direction for 10 minute	
Mechanical characteristics	Shock	Mechanical	1,000m/s <sup>2</sup> (approx. 100G) in each	ch X, Y, Z direction for 3 times		
Chi Chi	HIOCK	Malfunction	100m/s <sup>2</sup> (approx. 10G) in each X	K, Y, Z direction for 3 times		
Liic	Mechanical		Min. 20,000,000 operations (at 300 operations/min)  Min. 10,000,000 operations (at 300 operations/min)			
expectancy Electrical			Min. 100,000 operations (at 20 operations/min)			
Environ- A	mbient te	mperature	-40 to 70°C			
ment A	Ambient humidity		5 to 85%RH			
Weight			Approx. 19g			

XEnvironment resistance is rated at no freezing or condensation.

#### Dimensions

(unit: mm)



I/O Terminal Blocks

AFS(Interface

AFS(Interface Terminal Block)

AFL/AFR(Interface Terminal Block)

AFE(Sensor Connect Terminal Block)

ABS(Relay Terminal Block)

Power Relay

I/O Cables

MITSUBISHI
LSIS
Autonics
RS Automation
YOKOGAWA

FUJI KDT OMRON

TELEMECANIQUE
For SERVO
Open Type Cables

Cable Appearance

Remote I/O

ARD(DeviceNet Digital Standard Terminal Type) ARD(DeviceNet Digital Sensor Connector Type) ARD(DeviceNet Analog Standard Terminal Type) ARM(Modbus Digital Sensor Connector Type)

Others

Sensor Connectors

Sockets

Sensor Distribution
Boxes

Valve Plugs

Thumbwheel Switches

# **OMRON Power Relay 1 Form C**

#### Features

- Slim type
- High capacity, high reliability



## **■** Coil Specifications

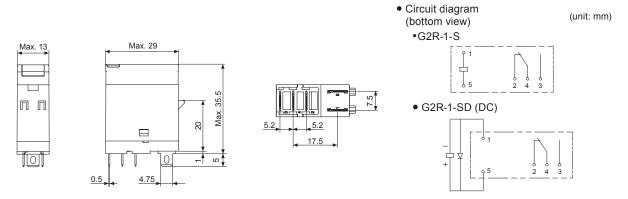
Model	Rated voltage	Must operate voltage	Must release voltage	Rated cur	rent	Power consumption
G2R-1-S24VDC	24VDC	Min. 70% of rated voltage	Max. 15% of rated voltage	21.8mA		0.53W
G2R-1-S100/ (110)VAC	100/110VAC Min. 80%	Min 90% of rated voltage	Max. 30% of rated voltage	50Hz	60Hz	60Hz
G2R-1-5100/ (110)VAC		Will. 60% of faled voltage		11mA	9/10.6mA	0.9VA
G2P 1 S200/ (220)\/AC	200/220\/\C	Min. 80% of rated voltage	Max. 30% of rated voltage	50Hz	60Hz	60Hz
G2R-1-3200/ (220)VAC	200/220VAC	Willi. 60% of faled voltage	Max. 50% of fateu voltage	5.5/4mA	4.5/5.3mA	0.9VA

## **■** Contact Specifications

Manufact	ure		OMRON			
Model			G2R-1-S24VDC	G2R-1-S100/ (110)VAC	G2R-1-S100/ (110)VAC	
	Arrangement		1 Form C			
Contact	Material		AgSnO₂ type			
	Resistance	(initial)	Max. 100mΩ			
	Rated load	(resistive load)	10A 250VAC, 10A 30VDC			
Rating	Max. switch (resistive I	0 1	2,500VA, 300W			
	Max. switch	hing voltage	380VAC, 125VDC			
	Max. switch	hing current	16A (AC load), 10A (DC load)			
	Insulation re	esistance (initial)	Min. 1,000MΩ (at 500VDC megge	er)		
soi	Dielectric strength	Between contact-coil	5,000VAC 50/60Hz for 1 minute			
Electrical characteristics		Between open contacts	1,000VAC 50/60Hz for 1 minute			
Ele	Operate tin	ne rated voltage)	Max. 15ms			
	Release tir (supplying	ne rated voltage)	Max. 5ms	Max. 10ms		
- S	Vibration	Mechanical	1.5mm amplitude at frequency of	10 to 55 Hz (for 1 min) in each $\lambda$	K, Y, Z direction for 1 hour	
Mechanical characteristics	VIDIALIOII	Malfunction	1.5mm amplitude at frequency of	10 to 55 Hz (for 1 min) in each $\lambda$	K, Y, Z direction for 10 minute	
lech	Shock	Mechanical	1,000m/s <sup>2</sup> (approx. 100G) in each	X, Y, Z direction for 3 times		
Sh	SHOCK	Malfunction	100m/s <sup>2</sup> (approx. 10G) in each X,	Y, Z direction for 3 times		
Life expectancy	Mechanical		Min. 20,000,000 operations (at 18,000 operations/hour)	Min. 10,000,000 operations (a	at 18,000 operations/hour)	
ехрестансу	Electrical		Min. 100,000 operations (at 1,800	operations/hour)		
Environ-	Ambient te	mperature	-40 to 70°C			
ment	nt Ambient humidity		5 to 85%RH	<u> </u>		
Weight			Approx. 20g			

<sup>\*</sup>Environment resistance is rated at no freezing or condensation.

#### Dimensions



A-40 Autonics

# **OMRON Power Relay 1 Form A**

#### Features

- Slim type
- High capacity, high reliability



## **■** Coil Specifications

Model	Rated voltage	Must operate voltage	Must release voltage	Rated current	Coil resistance	Power consumption
G6B-1174P-FD-US	24VDC	Min. 70% of rated voltage	Max. 10% of rated voltage	8.3mA	2,880Ω	200mW

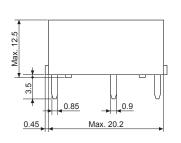
#### **■** Contact Specifications

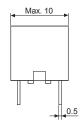
Manufactu		Jiiications	OMRON		
Model			G6B-1174P-FD-US		
1					
	Arrangem	ent	1 Form A (SPST-1a)		
Contact	Material	N	AgCdO type		
	Resistance		30mΩ (5VDC 1A)	I museum e	
		d (resistive load)	5A 250VAC	5V 30VDC	
Rating		hing power	1,250VA	150W	
9	Max. switc	hing voltage	380VAC	125VDC	
	Max. switc	hing current	5A		
	Insulation (initial)	resistance	Min. 1,000MΩ (at 500VDC megger)		
0 1	Dielectric strength	Between contact-coil	3,000VAC 50/60Hz for 1 minute		
		Between open contacts	1,000VAC 50/60Hz for 1 minute		
Elecarac	Surge volt	age	6,000V		
Ą.	Operate til	me rated voltage)	Max. 20ms		
	Release ti	me rated voltage)	Max. 5ms		
- SS	\	Mechanical	3.5mm amplitude at frequency of 10 to 5	55 Hz (for 1 min) in each X, Y, Z direction for 1 hour	
anica erist	Vibration	Malfunction	2.5mm amplitude at frequency of 10 to 5	55 Hz (for 1 min) in each X, Y, Z direction for 10 minute	
Mechanical characteristics	011-	Mechanical	1,000m/s <sup>2</sup> (approx. 100G) in each X, Y, Z	Z direction for 3 times	
S &	Shock	Malfunction	100m/s² (approx. 10G) in each X, Y, Z di	rection for 3 times	
Life	Mechanical		Min. 50,000,000 operations (at 300 oper	ations/min)	
expectancy	/ Electrical		Min. 100,000 operations (5A, 250VAC, 30VDC) (at 30 operations/min)		
Environ-	Ambient te	emperature	-25 to 70°C		
ment	Ambient humidity		5 to 85%RH		
Weight	1		Approx. 5g		

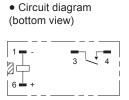
 $\ensuremath{\mathbb{X}}\xspace$  Environment resistance is rated at no freezing or condensation.

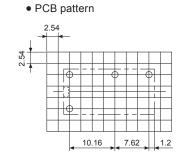
### Dimensions

(unit: mm)









I/O Terminal Blocks

AFS(Interface Terminal Block) AFL/AFR(Interface Terminal Block) ACS(Common Terminal Block) AFE(Sensor Connecto Terminal Block)

ABS(Relay Terminal Block) ABL(Relay Terminal Block)

I/O Cables

MITSUBISHI

LSIS

Autonics

RS Automation
YOKOGAWA
FUJI
KDT

OMRON

TELEMECANIQUE
For SERVO
Open Type Cables
Cable Appearance

Remote I/O

ARD(DeviceNet Digital Sensor Connector Type) ARD(DeviceNet Analog Standard Terminal Type) ARM(Modbus Digital Sensor Connector Type)

Others

Sensor Distributio Boxes Valve Plugs Thumbwheel Switches

Sensor Connectors