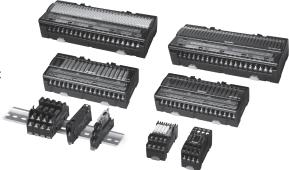
Relay terminal block

Features

- •Suitable to drive various loads using output signals of PLC
- •Easy check for operation status and for cable break by adopting LED signal
- •Selectable various types of relay for each load voltage and current
- Easy relay replacement with relay removal lever (1-point relay terminal block)
- •2 ways of mounting (DIN rail, mounting with screws)
- •Available close mounting and easy expansion with concave-convex structure between terminals
 - (1-point relay terminal block)



X It is recommended for I/O cable to use Autonics CJ Series (connector transmission cable). Refer to C-1 page.

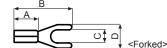


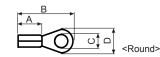
ordering informat	ion		
NB S - H 1	6 PA - N N		
	Varistor installation	N	Not installed
		С	Non-COM ^{×1}
	Input logic	N	NPN (COM+)
		Р	PNP (COM-)
		TN	TAKAMISAWA (Fujitsu) NYP
		PA	MATSUSHITA (Panasonic) PA
	Relay type	PQ	MATSUSHITA (Panasonic) PQ
		R6	OMRON G6B
		PH	MATSUSHITA (Panasonic) AHN
		R2	OMRON G2R
		01	01EA
	Number of relay points	04	04EA
		16	16EA
		32	32EA
Conne	ector type	S	Screw
		Н	Hirose connector
Terminal type		S	Screw
Item		AB	Relay terminal block

%1: It is only for 1-point and 4-point models.

*This ordering information is only for reference. When selecting the model, refer to the specifications of each model.

Applied crimp terminal





(unit: mm)

◎ Rated load current 2/3A

	A	В	С	D	Applied wire
Forked	Min. 4.1	Max. 16.0	Min. 3.0	Max. 5.9	AWG 22-16
Round	Min. 4.1	Max. 16.0	Min. 3.0	Max. 5.9	(0.30 to 1.25mm ²)

◎ Rated load current 5A, 10A

\sim	A B C D		Applied wire				
			Rated load current 5A	Rated load current 10A			
Forked	Min. 4.1	Max. 16.0	Min. 3.0	Max. 7.0	AWG 19-14	AWG 17-14 (1.0 to 2.0mm ²)	
Round	Min. 4.1	Max. 16.0	Min. 3.0	Max. 7.0	(0.65 to 2.0mm ²)		
XUse the UL cirtifie	d crimpt terminal.						



Specifications

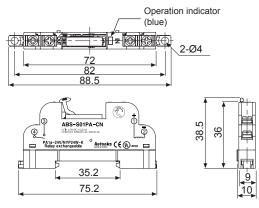
◎ Rated load current 2/3A

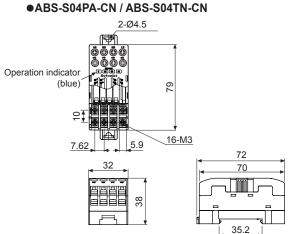
/lodel		ABS-S01PA-CN ABS-S01TN-CN		ABS-S04PA-CN ABS-S04TN-CN			16PA-NN(PN) 16TN-NN(PN)	ABS-H32P/ ABS-H32TI	
ated volta	ge	24VDC ±10%							
Rated load	voltage &	250VAC 3A, 30VE	250VAC 3A, 30VDC 3A			250VAC 2A, 30VDC 2A (2A/1-point, 8A/1COM)			
	PA type	Max. 10.5mA ^{**2}	(. 10.5mA ^{*2} Max. 10.5mA ^{*2} /Max. 15.5m						,
onsumption Dutput type		Max. 8.5mA ^{**2} 1a contact relay o	utout			Max. 8.	5mA ^{**} /Max. 13.5r	nA ^{^3}	
pplied rela	ay model	PA: PA1a-24V [MA	ATSUSHITA (F	Panasonic)], TN: NYP2	24W-K [TAK	AMISAV	VA (Fujitsu)]		
	relay points	1-point		4-point		16-poin	t		point/1COM)
lumber of c	connector pins	 AWG 22-16(0.30 t	$(0.1.25 \text{ mm}^2)$			20-pin		40-pin	
sulation re		Min. 1,000MΩ (at 5		er)					
	Between	2,000VAC 50/60H							
	coil-contact Between	,				-			
	same contacts	1,000VAC 50/60H							
	Mechanical	0.75 mm amplitud	e at frequency	/ of 10 to 55 Hz(for 1 r	nin.) in eacl	h of X, Y,	Z directions for 2	hours	
	Malfunction Mechanical			of 10 to 55 Hz(for 1 r of X, Y, Z directions fo		h of X, Y,	Z directions for 10	min.	
	Malfunction			of X, Y, Z directions fo					
Invironment	Ambient temp.	-15 to 55°C, storage	ge : -25 to 65	C	-				
	Ambient humi.	35 to 85%RH, stor CASE & BASE: P/		5%RH CASE & BASE: MPF	20	CASE	MPPO, BASE: PA	36(G25%)	
laterial		TERMINAL PIN: E		TERMINAL PIN: Bra			NAL PIN: Brass	00(020/0)	
ightening to		0.5 to 0.6 N·m		· · · ·					
Accessory*				Jumper Bar: 2EA (Mode	I: JB-7.62-04)			62-08)	
pproval	PA type	Approx. 314.5g(appr	ov 21 5a) ^{%8}	Approx. 104g(approx.	680)		ыятел ²⁰⁰ 307g(approx. 224g		g(approx. 345g)
Veight ^{**7}	TN type	Approx. 314.5g(appr Approx. 324.5g(appr	ox. 21.39) ox. 22.2g) ^{%8}	Approx. 104g(approx. Approx. 107g(approx.			318g(approx. 224g 318g(approx. 235g		g(approx. 345g) g(approx. 370g)
Rated		rent 5A, 10A						/	5×11 - 5/
/lodel		ABS-S01PQ-CN	ABS-S01PH-C	CN ABS-S01PH6-CN	ABS-S01		ABS-S01R2-CN	ABS-S01R26-CN	ABS-S01R25-CN
		ABS-S01R6-CN							
Rated volta Rated load		24VDC ±10% 250VAC 5A,	24VDC	100/110VAC	200/220	VAC	24VDC	100/110VAC	200/220VAC
urrent ^{*1}		30VDC 5A	250VAC 10A	, 30VDC 10A ^{*1}					
Current	PQ/R6 type	Max. 20mA	-				<u>.</u>		
	PH/R2 type	- 1a contact relay	Max. 25mA	Max. 15mA	Max. 10	mA	Max. 25mA	Max. 15mA	Max. 10mA
Output type	•	output	1c contact re	lay output					
		PQ: PQ1a-24V	AHN12024	AHN110X0	AHN110	Y0		G2R-1-S100/	G2R-1-S200/
pplied rela	ay model	[MATSUSHITA(Panasonic)] R6: G6B-1174P-FD-US	[MATSUSHI]	TA [MATSUSHITA	[MATSU	SHITA	G2R-1-S24VDC [OMRON]	(110)VAC	(220)VAC
		[OMRON]	(Panasonic)]	(Panasonic)]	(Panaso	nic)]		[OMRON]	[OMRON]
lumber of I	relay points	1-pin							
opplied wire	e	AWG19-14	AWG17-14(1	.0 to 2.0mm ²)					
		(0.65 to 2.0mm ²) Min. 1,000MΩ (at 5	- (
nsulation re	Between	4 000 1/4 0							
Dielectric	coil-contact	50/60Hz for 1min.**	5,000VAC 50)/60Hz for 1 min.					
trength	Between	1,000VAC 50/60Hz	1 000\/AC 50)/60Hz for 1 min.					
	same contacts	for 1 min. ^{**4} 0.75 mm amplitude at	.,						
		frequency of 10 to 55							
	Mechanical	Hz(for 1 min.) in each of X, Y, Z directions for	1.5 mm amp	litude at frequency of 1	10 to 55 Hz	(for 1 mir	n.) in each of X, Y,	Z directions for 2 h	ours
/ibration		2 hours					_		
ioration		0.75 mm amplitude at frequency of 10 to 55							
	Malfunction	Hz(for 1 min.) in each	1.5 mm amp	litude at frequency of 1	10 to 55 Hz	(for 1 mir	n.) in each of X, Y,	Z directions for 10	min.
		of X, Y, Z directions for 10 min.							
	Mechanical		100G) in ea	ch of X, Y, Z directions	for 3 times				
Shock	Malfunction			of X, Y, Z directions fo					
nviron-	Ambient temp.	-15 to 55°C, storage					-		
nent	Ambient humi.	35 to 85%RH, stor							
laterial		CASE & BASE: PA6, TERMINAL PIN: Brass	CASE, BASE	E : PBT, TERMINAL PI	N : Brass, F	Phosphor	bronze		
ightening to	orque	0.7 to 0.8N•m							
pproval									
		PQ: Approx. 430g (approx. 31g),	Approx. 720	g Approx. 711g	Approx.	7150	Approx. 719g	Approx. 711g	Approx. 712g
Veight ^{*7}		(approx. 31g), R6: Approx. 416g (approx. 30g)	(approx. 720)		(approx.		(approx. 53g)	(approx. 52g)	(approx. 52g)
		y for resistive load.					ed load voltage for		es is only unit weight.

Dimensions

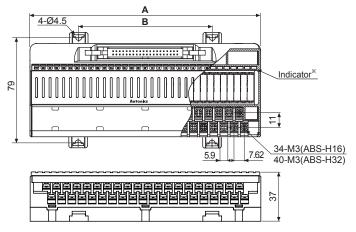
Rated load current 2/3A

•ABS-S01PA-CN / ABS-S01TN-CN



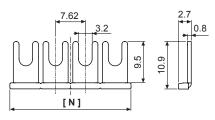


•ABS-H16PA-_N / ABS-H16TN-_N •ABS-H32PA-_N / ABS-H32TN-_N



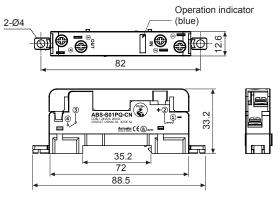
%Indicator(PW: red LED, operation and disconnection: blue LED)

• Jumper Bar

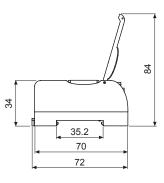


○ Rated load current 5A, 10A

•ABS-S01PQ-CN / ABS-S01R6-CN

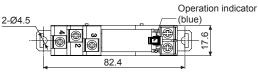


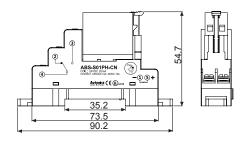
/	ABS-H16 type	ABS-H32 type
Α	140	173
В	70	100



Model	JB-7.62-04	JB-7.62-08
Number of Jumper Bar pins	4EA	8EA
[N] size	29.5	60.0

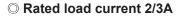
•ABS-S01PH -CN / ABS-S01R2 -CN

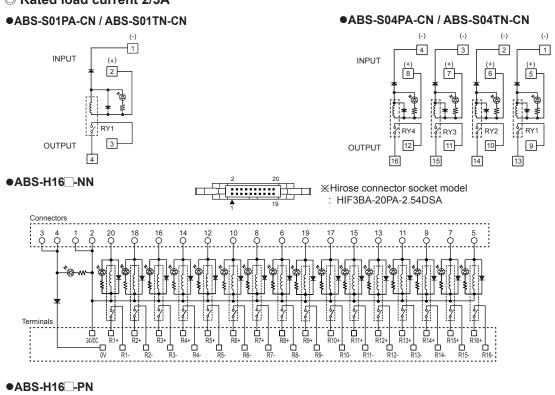


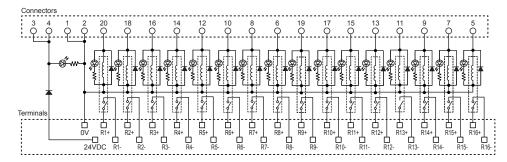


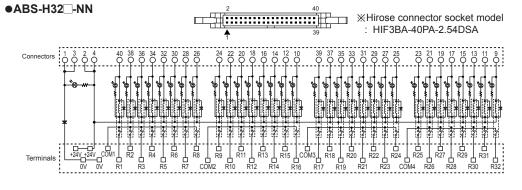
(unit: mm)

Connections

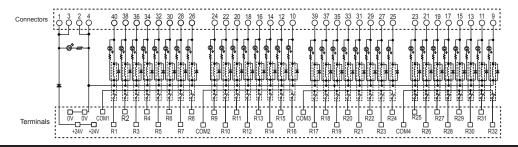








•ABS-H32 -PN



(A) Sensor

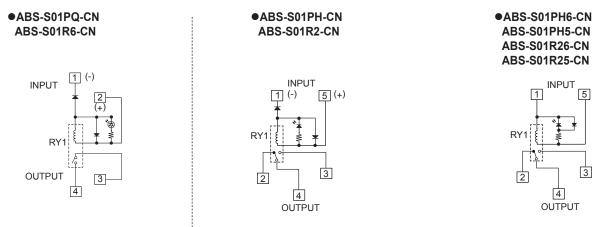
connector

(B) I/O terminal

AFS
AFL/AFR
ACS
AFE
ABS
Relay

Connections

○ Rated load current 5A, 10A



How to replace relay

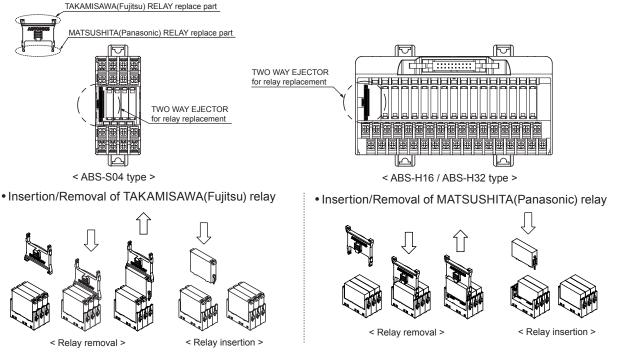
Rated load current 2/3A

•ABS-S01PA-CN / ABS-S01TN-CN

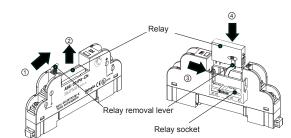
- 1)Press the relay removal lever to the direction "①" and an inserted relay is come up.
- Remove this relay and lift up the relay removal lever to the direction "2".
- 3)Check the relay socket position and insert a new relay to relay socket.
- %If pressing the relay removal lever to right or left, this lever may be broken.

●ABS-S04PA-CN / ABS-S04TN-CN ●ABS-H16PA-□N / ABS-H16TN-□N ●ABS-H32PA-□N / ABS-H32TN-□N

- •Two-way ejector position for relay replacement
- < Two-way ejector >



% Relay socket can be used both TAKAMISAWA (Fujitsu) relay, NYP24W-K, and MATSUSHITA (Panasonic) relay, PA1a-24V.



How to replace relay

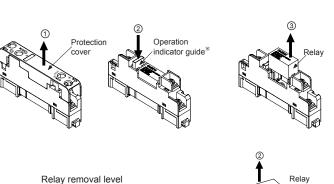
◎ Rated load current 5A, 10A

•ABS-S01PQ-CN / ABS-S01R6-CN

- Pull the protection cover to the direction "①".
 Press the operation indicator guide to the direction "②" and remove the relay to the direction "③".
- 3)Insert a new relay to the case.

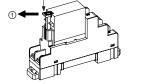
•ABS-S01PH -CN / ABS-S01R2 -CN

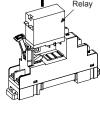
- Pull the relay removal lever to the direction "①". Remove this relay and lift up to the direction "②".
- 2) Insert a new relay to the case.





(D) Remote I/O terminal block





Rail lock

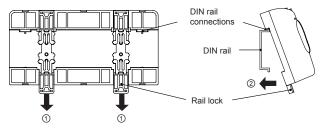
Installations

%The appearance of each mode is different by relay-point.

O Mounting to and Removing from DIN rail

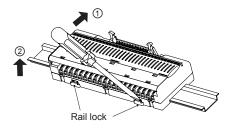
Mounting

- 1) Push the rail locks to the direction "①".
- 2)Hook DIN rail connection onto DIN rail.
- 3)Push the unit down to the direction "②" and then push up the rail locks to the unit body.



Removing

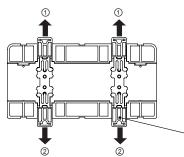
- 1)Insert a screwdrive into holes of rail lock and pull the lock out to the direction "①".
- 2)Removing the unit by pulling to the direction "2".



\bigcirc Mounting with screws

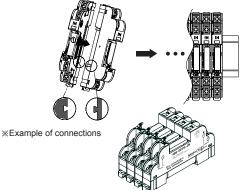
1)This unit is able to mount on the panel with rail locks.

- 2) Push the rail locks to the direction "(1), (2)".
- 3)It is recommended to use M4×15mm of spring washer screws and to use flat washers which are diameter Ø6. The tightening torque should be 0.7 to 1.0 N⋅m.



Connection between units
 (1-point relay terminal block)

Connect between units with concave(凹) and convex(凸) parts to the direction "①".

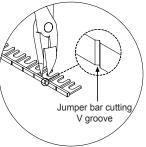




Relay

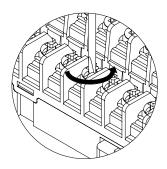
How to install jumper bar (4, 16, 32-point relay terminal)

1)Cut a jumper bar for the desired length to fit cutting V groove with a nipper, etc.

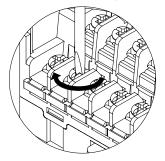


3)Put jumper bar under the unfastend terminal screws.

2)Unfasten the terminal screws for common.



4)Tighten all of screws upside the jumper bar.



Caution for using

- 1. Use the product within the rated specifications for operating temperature and humidity.
- 2. Check voltage fluctuations in the power supply within the rated range.
- 3. When connecting PLC or other controllers, check the polarity of power and COMMON before wiring.
- 4. Power wire should be used for each rated load current. Use proper crimp terminals for the terminals. 2, 3A: AWG 22-16(0.30 to 1.25mm²), 5A: AWG19-14(0.65 to 2.0mm²), 10A: AWG17-14(1.0 to 2.0mm²)
- 5. Turn OFF the power supply before wiring or removing connectors.
- 6. Do not touch the unit immediately after the load power is supplied or cut. It may cause burn by high temperature.
- 7. Do not touch the unit when screw is released. It may cause malfunction or burnout.
- 8. Turn OFF the power supply before replacing relays.
- 9. Do not apply the excessive power to the removal lever when removing a relay.
- 10. In case of 24VDC signal input, isolated and limited voltage/current or Class2 source should be provided for power supply. (except 3A 1-point, 5A 1-point of the rated load current)
- 10. Do not use this unit at below places.
 - ① Place where there is severe vibration or impact
 - ② Place where strong alkalis or acids are used
 - ③ Place where there are direct ray of the sun
 - ④ Place where strong magnetic field or electric noise are generated
- 11. Installation environment
 - ① It shall be used indoor.
 - ② Altitude max. 2,000m
 - ③ Pollution Degree 2
 - ④ Installation Category II

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

Features

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



(A) Sensor connector (B) I/O terminal block (C) I/O cable

(D)

AFS

ACS

AFE

ABS

Relay

AFL/AFR

Coil ratings

Relay model	Rated voltage	Must operate voltage	Must release voltage	Rated current	Coil resistance	Power consumption	Remote I/O terminal block
NYP24W-K	24 VDC	16.1 V	2.4 V	5 mA	4,800 Ω	120 mW	

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

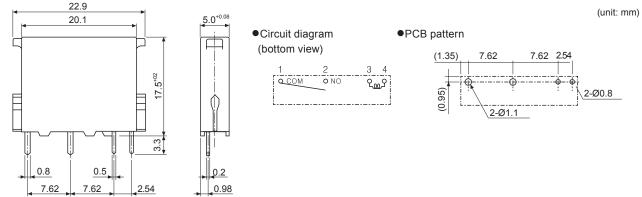
Contact ratings

Manufacture			TAKAMISAWA(Fujitsu)				
Model			NYP24W-K				
	Arrangement		1 Form A (SPST-1a)				
Contact	Material		Gold overlay silver alloy				
	Resistance	e(initial)	30 mΩ (6 VDC 1A)				
	Rating(res	istive)	3 A 250 VAC	3 A 30 VDC			
	Max. switc	hing power	750 VA	90 W			
Rating	Min. switch	ning capacity	5 VDC 1 mA				
	Max. switc	hing voltage	270 VAC	150 VDC			
	Max. switc	hing currrnt	5 A				
	Insulation	resistance	Min. 1,000 MΩ (at 500 VDC megger)				
Electrical	Dielectric strength	Coil and Contacts	3,000 VAC 50/60 Hz for 1 min.				
character-		Open contacts	750 VAC 50/60 Hz for 1 min.				
istics	Surge voltage		5,080 V				
	Operate tir	me	Max. 10 ms				
	Release tir	me	Max. 5 ms				
	Vibration	Mechanical	5.0 mm amplitude at frequency of 10 to 55 Hz(for 1 min.) in each of X, Y, Z directions for 1 hour				
Mechanical character-	VIDIATION	Malfunction	1.5 mm amplitude at frequency of 10 to 55 Hz(for 1 min.) in each of X, Y, Z directions for 10 min.				
istics	Shock	Mechanical	1000 m/s ² (100 G) in each of X, Y, Z directions for 3 times				
	SHOCK	Malfunction	100 m/s ² (10 G) in each of X, Y, Z directions for 3 times				
Life	Mechanica	al	Min. 20,000,000 operations (at 180 times/	min)			
expectancy	ectancy Electrical ^{™1} Min. 100,000 operations(3A 250VAC, 30VDC resistive load)						
Environment	Ambient te	mperature	-40 to 90 °C				
	Ambient h	umidity	35 to 80%RH				
Unit weight			Approx. 3.5 g				

%1: 50,000 operations: min. 5 A 250 VAC, 5 A 30 VDC resistive load (per 20 times/min)

*Environment resistance is rated at no freezing or condensation.

Dimensions



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

Features

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



Coil ratings

Relay model	Rated voltage	Must operate voltage	Must release voltage	Rated current	Coil resistance	Power consumption
PA1a-24V	24 VDC	70% max. of rated voltage	5% min. of Rated voltage	7.5 mA	3,200 Ω	180 mW

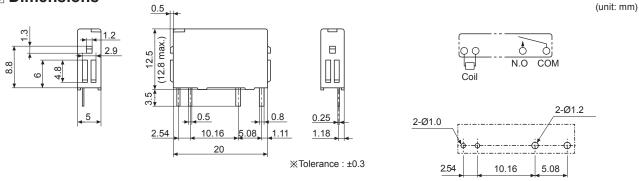
%All values in the table are measured at 20 $^\circ C$ with a tolerance of ±10%.

Contact ratings

Manufacture			MATSUSHITA(Panasonic)				
Model			PA1a-24V				
Arrangement		nt	1 Form A (SPST-1a)				
Contact	Material		Au-clad AgNi type				
	Resistance	(initial)	30 mΩ (6 VDC 1A)				
	Rating(resi	stive)	5 A 250 VAC	5 A 30 VDC			
	Max. switcl	ning power	1,250 VA	150 W			
Rating	Min. switch	ing capacity	100 mVDC 100 uA				
	Max. switcl	ning voltage	250 VAC	110 VDC			
	Max. switcl	ning currrnt	5 A				
	Insulation r	esistance	Min. 1,000 M Ω (at 500 VDC megger)				
Flastriag	Dielectric strength	Coil and Contacts	2,000 VAC 50/60 Hz for 1 min.				
Electrical character-		Open contacts	1,000 VAC 50/60 Hz for 1 min.				
istics	Surge voltage		4,000 V				
	Operate tin	ne	Max. 10 ms				
	Release tir	ne	Max. 5 ms				
	Vibration	Mechanical	3.5 mm amplitude at frequency of 10 to 55 Hz(for 1 min.) in each of X, Y, Z directions for 1 hour				
Mechanical character-	VIDIALION	Malfunction	2.5 mm amplitude at frequency of 10 to 55 Hz(for 1 min.) in each of X, Y, Z directions for 10 min.				
istics	Shock	Mechanical	980 m/s ² (100 G) in each of X,Y,Z direction	ons for 3 times			
	SHOCK	Malfunction	147 m/s ² (15 G) in each of X,Y,Z direction	ns for 3 times			
Life	Mechanica	I	Min. 20,000,000 operations (at 180 times/min)				
expectancy	Electrical*	I	Min. 100,000 operations (3 A 250 VAC, 30 VDC resistive load)				
Environment	Ambient te	mperature	-40 to 70 °C				
	Ambient hu	imidity	5 to 85%RH				
Unit weight			Approx. 3 g				

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

Dimensions



B-28

Autonics

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

Features

- •Slim type
- •Excellent durability resistance against vibration and shock



(A) Sensor connector

(B) I/O terminal block

(C) I/O cable

AFS

ACS

AFE

ABS

Relay

AFL/AFR

(D) Remote I/O terminal block

Coil ratings

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

% All values in the table are measured at 20 $^\circ\!C$ with a tolerance of ±10%.

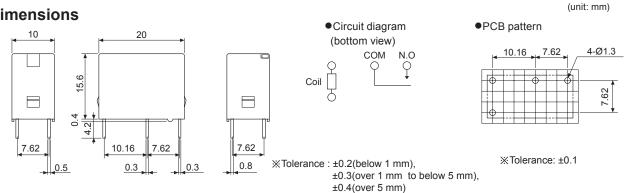
Contact ratings

Manufacture			MATSUSHITA(Panasonic)			
Model			PQ1a-24V			
	Arrangement		1 Form A (SPST-1a)			
Contact	Material		Au-clad AgNi type			
	Resistance(initial)		50 mΩ (6 VDC 1 A)			
	Rating(resistive)		5 A 250 VAC	5 A 30 VDC		
Rating	Max. switching power(resistive)		1,250 VA	150 W		
	Max. switching voltage		250 VAC	110 VDC		
	Max. switching currrnt		5 A			
	Insulation resistance(initial)		Min. 1,000 MΩ (at 500 VDC megger)			
Fleetricel	Dielectric strength	Coil and Contacts	4,000 VAC 50/60 Hz for 1 min.			
Electrical character-		Open contacts	1,000 VAC 50/60 Hz for 1 min.			
istics	Surge voltage		8,000 V			
	Operate time(rated voltage)		Max. 20 ms			
	Release time(rated voltage)		Max. 10 ms			
	Vibration	Mechanical	3.5 mm amplitude at frequency of 10 to 55 Hz(for 1 min.) in each of X, Y, Z directions for 1 hour			
Mechanical character-		Malfunction	2.0 mm amplitude at frequency of 10 to 55 Hz(for 1 min.) in each of X, Y, Z directions for 10 min.			
istics	Shock	Mechanical	980 m/s ² (100 G) in each of X,Y,Z directions for 3 times			
		Malfunction	294 m/s ² (15G) in each of X,Y,Z directions for 3 times			
Life	Mechanical		Min.20,000,000 operations (at 180 times/min)			
expectancy	Electrical ^{×1}		Min. 100,000 operations (5 A 250 VAC, 30 VDC resistive load)			
Environment	Ambient temperature		-40 to 70 °C			
	Ambient humidity		5 to 85%RH			
Unit weight		Approx. 7 g				

%1: 20 times per 1 minute

*Environment resistance is rated at no freezing or condensation.

Dimensions



Autonics

MATSUSHITA(Panasonic) Power relay Plug-in type 1 Form C

Features

- Slim size
- •High capacity, high reliability

Coil ratings



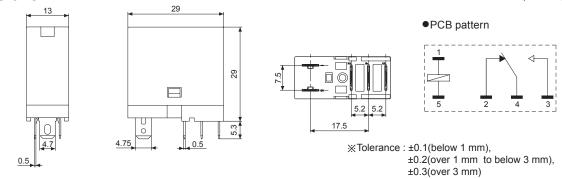
Relay model Rated volta		Must operate voltage	Must release voltage	Rated currer	Rated current		Power consumption	
AHN12024	24VDC	70% max. of rated voltage	15% min. of Rated voltage	22mA		0.53W		
AHN110X0	100/110VAC	80% max. of rated voltage	30% min. of Rated voltage	50Hz	60Hz	50Hz	60Hz	
				11/13mA	9/10.6mA	1.1 to 1.4VA	0.9 to 1.2VA	
AHN110Y0	200/220VAC	80% max. of rated voltage	30% min. of Rated voltage	50Hz	60Hz	50Hz	60Hz	
				5.5/6.5mA	4.5/5.3mA	1.1 to 1.4VA	0.9 to 1.2VA	

Contact ratings

Manufactu	re		MATSUSHITA(Panasoni	ic)				
Model		AHN12024	AHN110X0	AHN110Y0				
Arrangement		nent	1 Form C					
Contact	Material		AgSnO ₂ type					
	Resistance(initial)		Max. 100mΩ (6VDC 1A)					
	Rating(resistive)		10A 250VAC, 10A 30VDC					
Rating	Min. switching capacity (resistive)		4,000VA, 300W					
	Max. switching voltage		250VAC, 30VDC					
	Max. switching currrnt		16A (for AC load), 10A (for DC load)					
Electrical character- istics	Insulation resistance(initial)		Min. 1,000MΩ (at 500VDC megger)					
	Dielectric strength	Coil and Contacts	5,000VAC 50/60Hz for 1 min.					
		Open contacts	1,000VAC 50/60Hz for 1 min.					
	Operate time		Max. 15ms					
	Release time		Max. 5ms					
		Mechanical	1.5mm amplitude at freq	uency of 10 to 55Hz(for 1 min.) in	each of X,Y,Z directions for 1 hour			
Mechanical character-	Vibration	Malfunction	1.5mm amplitude at frequency of 10 to 55Hz(for 1 min.) in each of X,Y,Z directions for 10 minutes					
istics	Shock	Mechanical	1000m/s ² (approx. 100G) in each of X, Y, Z directions for 3 times					
		Malfunction	100m/s ² (approx. 10G) in each of X, Y, Z directions for 3 times					
LIIC ,	Mechanical		Min. 20,000,000 operations (at 300 times/min) Min. 10,000,000 operations(at 300 times/min)					
	Electrical		Min. 100,000 operations (at 20 times/min)					
Environment	Ambient temperature		-40 to 70°C					
	Ambient humidity		5 to 85%RH					
Unit weight			Approx. 19g					

%Environment resistance is rated at no freezing or condensation.

Dimensions



Autonics

(unit: mm)