

Terminal Relay / Relay Terminal Unit

PCRY series

RoHS compliant

Push-in

Spring-lock type 4-point Terminal Relay

PCRY-4FVIF (NPN: FUJI Electric Relay)

PCRP-4FVIF (PNP: FUJI Electric Relay)





Screw type 4-point Terminal Relay

PCRY -4M1N (Panasonic Relay)

PCRY -4F1 (FUJI Electric Relay)

Screw type 16-point Relay Terminal Unit

PCRY□-1H20-16□-FD

(NPN: FUJI Electric Relay)

PCRP-1H20-16A-FD

(PNP: FUJI Electric Relay)



TOYOGIKEN CO.,LTD.

Spring-lock type 4-point Terminal Relay

PCRY-4FVIF PCRP-4FVIF



Feature

- NPN type and PNP type.
- W28.5×D78.8×H47.75
- Push-In type, so maintenancefree as no self-loosening by vibration.

PCRY-4FVIF. PCRP-4FVIF

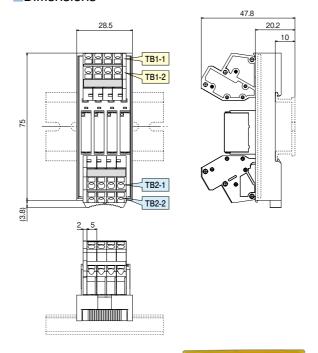
- Coil surge absorbing diode.
- LED indicator light.
- Quick-mounting on DIN rail.

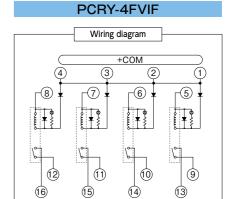
Part no.	Mounted relay	Weight
PCRY-4FVIF (NPN type)	RB105-DE (black) (FUJI ELECTRIC CO., LTD.)	61g
PCRP-4FVIF (PNP type)	RB105-DE (black) (FUJI ELECTRIC CO., LTD.)	61g

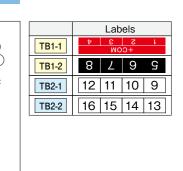
GENERAL SPECIFICATIONS/RATINGS

	Item				PCRY-4FVIF, PCRP-4FVIF				
	Contact arrange	ement		1a×4					
Input part rating	Rated input vol	tage		DC24V					
(per relay)	Input current (V	Vhen 1	the rated voltage applied) (at 20° C	11.4mA (including indication LED current)					
	Allowable input	volta	ge range (−20°C~+55°C)		DC24V±10%				
	Mounted relay				RB105-DE				
Coil rating of	Operating volta	ge (In	itial at 20℃)		70% or less of the	rated voltage			
relay itself	Release Voltage	e (Init	ial at 20℃)		5% or more of the r	rated voltage			
(reference)	Coil resistance	(±10	%)		2880Ω				
	Rated power co	onsum	ption		200mW				
			d control capacity (resistive load)		5A 250V AC, 5A				
Output Ratings			switching power (Resistive load)		1250VA (AC), 15	OW (DC)			
(per relay)	Contact data	Max.	switching voltage		250V AC, 30V E	OC .			
(60. 10.0)		_	switching current		5A				
		Min.	switching load (reference value)		0.1V DC, 0.1mA				
	Insulation resist	tance			100M ^Ω or more (Using DC500V megger)				
	Withstand		veen the input and output		AC2000V /min				
	voltage	Betw	veen different poles (between relays	s)	AC1500V /min				
	Destructive vibr	ration	resistance		10∼55Hz double	<u>'</u>			
Other	Functional vibra	ation r	esistance		10∼55Hz double amplitude 1mm				
specifications	Destructive sho	ock res	sistance		196m/s' or more (20G or more)				
	Functional shoo		istance		98m/s² or more (10G or more)				
	Ambient tempe				-25°C∼+55°C (No freezing or condensing)				
	Ambient humidi	ity			45%~85%				
	LED color				Red				
	Coil surge abso	orber			Diode				
			0.25 mm $^{\prime}\sim$ 0.75 mm $^{\prime}$ / AWG26 \sim A	AWG18		Recommended tool: VT5-1			
	Ferrule		(DIN46228-4)	10m	φ 3.6	BEL (3-1)			
	. 6 6.6				MAX				
					۸Ž	Weight: 43g			
Applicable			0.08mm²∼1.25mm² / MAX	9~1	Omm	VT5-1 dimensions			
wires	Stranded		AWG28~AWG16	5		9.35			
					CABLE	(S)			
			φ0.5~φ1.6	9~1	Omm	(a)			
	Solid		•	<		*If use screwdrivers other than the ones above,			
					CABLE	the screwdrivers comply with DIN5264.			

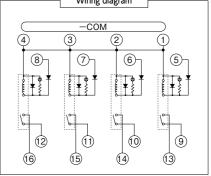
Dimensions

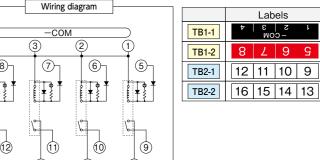






PCRP-4FVIF





Mounting on DIN rail

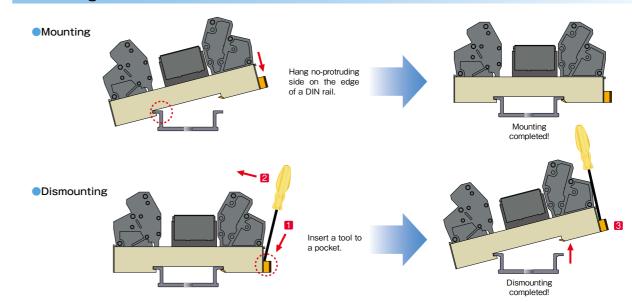
PCRY-F

1PC

Accessories (**Sold Separately)

Removal tool Part no.

Sales lot



Proper Use

- •Use dedicated removal tool (option) to replace relays.
- Make sure set relays properly after replacement and the first time use.
- Pay attention to a positive and negative polarity on the input side.
- ■Leave enough space among terminals to keep ambient temperature under 55°C.
- Do not disassemble, remodel or repair the product.
- Use an applicable screwdriver when connect and disconnect a standard conductor. For a solid conductor and conductor with ferrule, use a screw driver only for disconnection.

Screw type 4-point Terminal Relay

PCRY□-4F1



Feature

- Dimensions: W31×D69.7(87)×H35.2
- Terminal cover, 2 pieces of short bars and 1pc ofremoval tool are included in package.
- Coil surge absorbing diode.
- LED indicator light.
- DIN rail mounting or direct mounting.

Part no.	Mounted relay	Weight
PCRY□-4M1N	APAN3124 (black) (Panasonic)	69g
PCRY□-4F1	RB105-DE (black) (FUJI ELECTRIC CO., LTD.)	69g

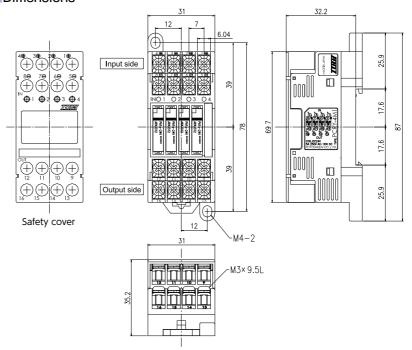
□=BLANK Can be used with only Y-type solderless terminal (Stock item)

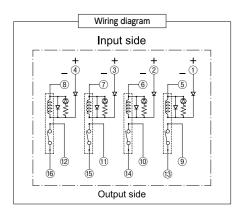
□=R Can be used with either Y-type or round type terminal (BTO item)

GENERAL SPECIFICATIONS/RATINGS

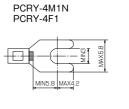
		Item	PCRY□-4M1N	PCRY□-4F1			
	Contact an	rangement	1a×4	1a×4			
Input part rating	Rated inpu	t voltage	DC24V	DC24V			
(per relay)	Input current	(When the rated voltage applied) (at 20°C)	7.6mA (Including indication LED current)	約11.4mA (Including indication LED current)			
	Allowable inp	out voltage range (-20°C~+55°C)	DC24V±10%	DC24V±10%			
	Mounted r	elay	APAN3124	RB105-DE			
Coil rating of	Operating	voltage (Initial at 20°C)	70% or less of the rated voltage	70% or less of the rated voltage			
relay itself	Release Vo	oltage (Initial at 20°C)	5% or more of the rated voltage	5% or more of the rated voltage			
(reference)	Coil resista	ince (±10%)	5236 ^Ω	2880⁰			
	Rated pow	er consumption	110mW	200mW			
		Rated control capacity (resistive load)	5A 250V AC, 5A 30V DC	5A 250V AC, 5A 30V DC			
Output Ratings	0	Max. switching power (Resistive load)	1250VA (AC), 150W (DC)	1250VA (AC), 150W (DC)			
(per relay)	Contact data	Max. switching voltage	250V AC, 30V DC	250V AC, 30V DC			
(por rolay)	3.5.13.	Max. switching current	5A	5A			
		Min. switching load (reference value)	5V DC, 1mA	0.1V DC, 0.1mA			
	Applicable	wire	1.25mm/MAX				
	Terminal s	crew	M3×9.5L				
	Tightening	torque	1.0~1.2N⋅m				
	Insulation		100M ^Ω or more (Using DC500V megger)				
	Withstand	Between the input and output	AC2000V/min				
Other	voltage	Between different poles (between relays)	AC1500V/min				
specifications	Destructive	e vibration resistance	10∼55Hz double amplitude 1mm				
	Functional	vibration resistance	10∼55Hz double amplitude 1mm				
	Destructive	e shock resistance	196m/s'or more (20Gor more)				
	Functional	shock resistance	98m/s²or more (10Gor more)				
	Ambient te	mperature	-25°C~+55°C (No freezing or condensing)				
	Ambient hu	ımidity	45%~85%				
	LED indica	itor light color	Red				
	Coil surge	absorber	Diode				

Dimensions



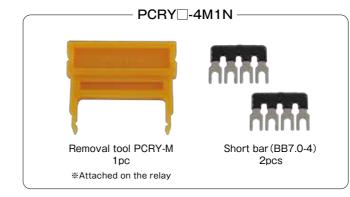


Applicable solderless terminals





Accessories (Included in package)



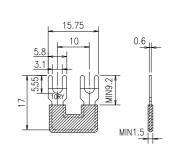


**short bars are stored in the fold of a Removal tool: PCRY-M package

Accessories (*Sold Separately) Short bar for connecting 2 terminals

*Part No. BB10RY-2 (*Sales lot: 10pcs)







Proper use

- •Use dedicated removal tool (option) to replace relays.
- Make sure set relays properly after replacement and the first time use.
- Pay attention to a positive and negative polarity on the input side.
- ■Leave enough space among terminals to keep ambient temperature under 55°C.
- Do not disassemble, remodel or repair the product.

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Screw type 16-point Relay Terminal Unit

PCRY□-1H20-16□-FD PCRP-1H20-16A-FD



Feature

16 points output-only relay terminals.

Power relay and SSR in our standard product line.

Relay terminal and I/O module of PLC are connected directly by a relay cable.

PCRY□-1H20-16□-FD. PCRP-1H20-16A-FD

- LED indicator light.
- Coil surge absorbing diode
- DIN rail mounting or direct mounting.

Part No.	Type	Mounted relay·SSR	Weight
PCRY□-1H20-16A-FD	Power relay output (NPN type)	RB105-DE (black)	219g
PCRY□-1H20-16B-FD	SSR output (AC type)	RE0A-DE (red)	219g
PCRY□-1H20-16C-FD	SSR output (DC type)	REOD-DE (red)	219g
PCRP-1H20-16A-FD	Power relay output (PNP type)	RB105-DE (black)	219g

 $[\]square$ =BLANK Can be used with only Y-type solderless terminal (Stock item) \square =R Can be used with either Y-type or round type terminal (BTO item)

■GENERAL SPECIFICATIONS

Applicable v	vire	1.25mm/MAX		
Terminal scr	ew	M3×8L		
Tightening to	orque	1.0~1.2N·m		
Insulation re	sistance	100M ^Ω or more (Using DC500V megger)		
Withstand	Between the input and output	AC2000V/min		
voltage	Between different poles (between relays)	AC2000V/min		
Destructive	vibration resistance	10∼55Hz double amplitude 1mm		
Functional v	ribration resistance	10∼55Hz double amplitude 1mm		
Destructive	shock resistance	196m/s² or more (20Gor more)		
Functional s	shock resistance	98m/s² or more (10Gor more)		
Ambient tem	nperature	-25°C~+55°C (No freezing or condensing)		
Ambient hun	nidity	45%~85%		
LED indicate	or light color	Red		
Coil surge a	bsorber	Diode		

Ratings (per relay)

0- 1	//						
		Item	PCRY□-1H20-16A-FD, PCRP-1H20-16A-FD				
	Contact ar	rangement	1a×16				
	Rated inpu	it voltage	DC24V				
	Input curre	nt (When the rated voltage applied) (at 20°C)	11.4mA (Including indication LED current)				
Input part rating	Allowable v	variation of rated input voltage (-20°C-+55°C)	DC24V±10%				
(per relay)	Operating	voltage (Initial at 20°C)	70% or less of the rated voltage				
	Release Vo	oltage (Initial at 20°C)	5% or more of the rated voltage				
	RCoil resis	stance (±10%)	2880♀				
	Rated pow	er consumption	200mW				
		Rated control capacity (resistive load)	2A 220V AC, 2A 24V DC				
Output Datings		Max. switching power (Resistive load)	440VA (AC), 48W (DC)				
Output Ratings (per relay)	Contact data	Max. switching voltage	220V AC, 24V DC				
(per relay)		Max. switching current	2A				
		Min. switching load (reference value)	0.1V DC, 0.1mA				

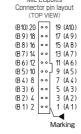
**Rated current of relay terminal will be 2A although the rated current of RB105-DE is 5A.

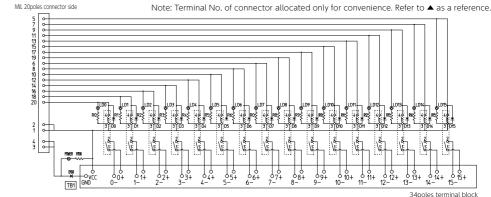
Ratings (per relay)

	item	PCRY□-1H20-16B-FD	PCRY□-1H20-16C-FD	
	type	DC input - AC output	DC input - DC output	
	Isolation method	Phototriac	Photocoupler	
	Rated load voltage	DC24V	DC24V	
Input part rating	Operating load voltage range	DC16.8~26.4V	DC16.8~26.4V	
(per relay)	Operating Voltage (Pickup voltage)	70% Vn or less	70% Vn or less	
	Release voltage (Dropout voltage)	10%Vn or more	10%Vn or more	
	Input-impedance	Approx. 2.7KΩ	Approx. 2.7KΩ	
	Rated isolation voltage	250V	250V	
	Rated load voltage	AC100~240V	DC24V	
	Operating voltage range	AC70~250V	DC16.8~26.4V	
	Rated frequency	50/60Hz	_	
Output Ratings	Rated current (In)	0.3A	0.5A	
(per relay)	Leakage current at OFF state (max)	1mA or less	0.1mA or less	
	Minimum load current	20mA	1mA	
	Voltage drop at ON state (max)	1.6V or less	1V or less	
	Zero-crossing function	_	_	
	Surge-On current	15A (20ms 1shot)	3A (20ms 1shot)	

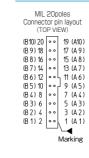
Wiring (TOP VIEW)

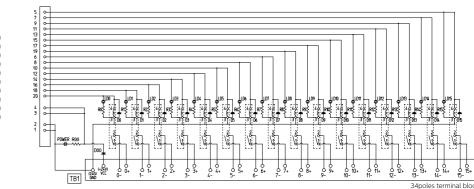






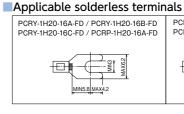
PNPtype

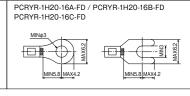




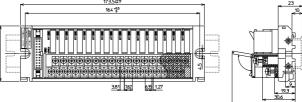
■Terminal pin layout (Name plate)

Fana sida	2 +24V	4	6	В	10	12	14	16	18	20	2	2	24	26	28	30	32	34
Face side	1 3 24G	5	7	9	11	13	1:	5 1	7	19	21	23	25	2	7 2	9 3	31 3	33
Do alcaida	8 2 +24V	4 0+	6 I		10	12 4+	14 5+	16 6+	18 7+	20	2	- 1	24	26 11+	28 12+	30 13+	32 14+	34 15+
Back side	1 3 24G 0-	5 1-	7 2-	9 3-	11 4-	13 5-	1: 6			19 8-	21 9-	23 10-	25 11-	12	- 1			33 5-





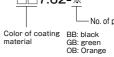
Dimensions



Short bar (Common bar) It is convenient when use a load wire as a common

Insulation coating material color range: black, green and orange

Order format





-61	No. of poles	2	4	6	8	10	
of poles	L1	13.42	28.66	43.9	59.14	74.34	
	L2	12.24	27.48	42.72	57.96	73.16	
e	Material: Brass/Ni coating material: PVC						

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Order Format

(B.T.O product)

KB40Y-4F1H-1)-2-11B

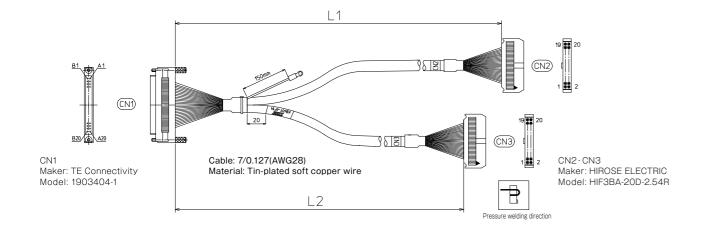
PCRY□-1H20-16A-FD

PCRP-1H20-16A-FD

Applicable Relay Terminal Units PCRY□-1H20-16B-FD

PCRY□-1H20-16C-FD

Order Format	(1)	(2)	Lengt	Weight		
Order Format		(2)	L1	L2	(g)	
	100	75	1000	750	208	
	150	125	1500	1250	301	
KB40Y-4F1H-①-②-11B	200	175	2000	1750	412	
	300	275	3000	2750	611	
	500	475	5000	4750	999	



Comformity of relay terminal and PLC Module

Interface Cable	Relay Terminals	PLC Module
TC	OMRON	
		CS1W-OD231
		CS1W-OD261
		CS1W-MD261 (OUT PUT)
		CJ1W-OD261
		CJ1W-OD261
	PCRY□-1H20-16A-FD	CJ1W-MD261 (OUT PUT)
	PCRY□-1H20-16B-FD	YOKOGAWA Electric
	PCRY□-1H20-16C-FD	F3YD32-1H
KB40Y-4F1H-①-②-11B		F3YD32-1P
KB401-41 111-0-@-11B		F3YD64-1P
		HITACHI IES
		EH-YT32
		EH-YT64
		YOKOGAWA Electric
		F3YD32-1R
	PCRP -1H20-16A-FD	F3YD64-1R
	FUNF -1112U-10A-FD	HITACHI IES
		EH-YTP32
		EH-YTP64

	Wiring diagram]
CN-3	(CN-1)	(CN-2)
1 3 5 5 7 9 111 113 115 117 119 2 4 4 6 8 8 100 12 14 16 18 18	B19 A20 B19 A19 B18 A18 B17 A17 B16 A16 B15 A15 B14 A14 B13 A13 B12 A12 B11 A11 B10 A10 B9 A9 B8 A8 B7 A7 B6 A6 B5 A5 B4 A4 B3 A3 B3 A3 B3 A3 B3 A3	10

*For DC24V ONLY

Order Format

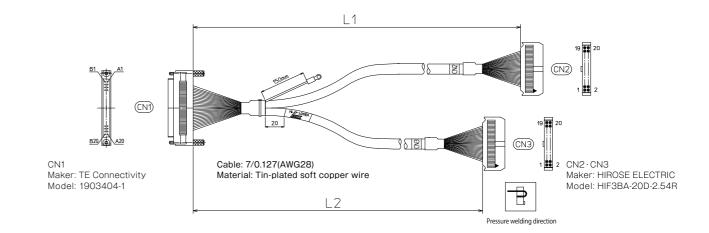
B.T.O product

KB40Y-4F1H-1)-2-12B

PCRY□-1H20-16A-FD

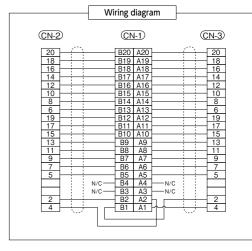
Applicable Relay Terminal Units PCRY□-1H20-16B-FD PCRY□-1H20-16C-FD

	Order Format	(1)	(2)	Length(mm)		Weight	
	Order Format	U)	(2)	L1	L2	(g)	
	KB40Y-4F1H-①-②-12B	100	75	1000	750	208	
		150	125	1500	1250	301	
		200	175	2000	1750	412	
		300	275	3000	2750	611	
		500	475	5000	4750	999	



Comformity of relay terminal and PLC Module

Interface Cable	Relay Terminals	PLC Module
TC	MITSUBISHI Electric	
KB40Y-4F1H-①-②-12B		QY41P
		QY42P
		QH42P (OUT PUT)
		QX41Y41P (OUT PUT)
		LY41NT1P
	PCRY□-1H20-16A-FD	LY42NT1P
	PCRY□-1H20-16B-FD PCRY□-1H20-16C-FD	LH42C4NT1P (OUT PUT)
		RY41NT2P
		RY42NT2P
		RH42C4NT2P (OUT PUT)
		FUJI Electric
		NP1Y32T09P1
		NP1Y64T09P1



*For DC24V ONLY

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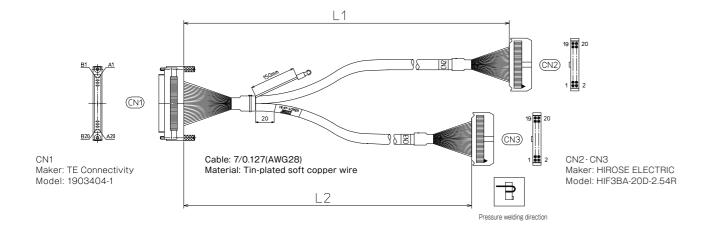
Order Format

(B.T.O product)

KB40Y-4F1H-1-2-13B

Applicable Relay Terminal Units PCRP-1H20-16A-FD

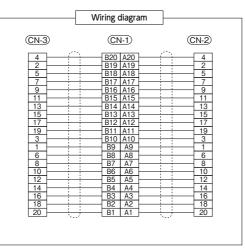
Order Format	1	2	Length(mm)		Weight	
Order Format	(1)		L1	L2	(g)	
KB40Y-4F1H-①-②-13B	100	75	1000	750	208	
	150	125	1500	1250	301	
	200	175	2000	1750	412	
	300	275	3000	2750	611	
	500	475	5000	4750	999	



Comformity of relay terminal and PLC Module

Interface Cable Relay Terminals		PLC Module
TC	OMRON	
KB40Y-4F1H-①-②-13B		CS1W-OD232
	PCRP-1H20-16A-FD	CS1W-OD262
		CS1W-MD262 (OUT PUT)

262 (OUT PUT) **For DC24V ONLY



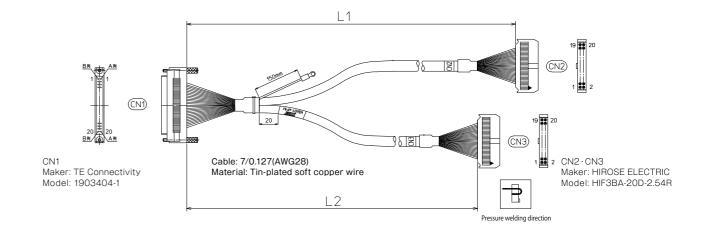
Order Format

B.T.O product

KB40Y-4F1H-1)-2-14B

Applicable Relay Terminal Units PCRP-1H20-16A-FD

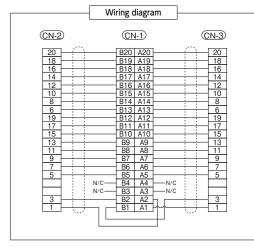
	Order Format	(1)	1) 2		Length(mm)	
	Order Format		(L)	L1	L2	(g)
	KB40Y-4F1H-①-②-14B	100	75	1000	750	208
		150	125	1500	1250	301
		200	175	2000	1750	412
		300	275	3000	2750	611
		500	475	5000	4750	999



Comformity of relay terminal and PLC Module

Interface Cable	Relay Terminals	PLC Module
TC	MITSUBISHI Electric	
KB40Y-4F1H-①-②-14B		QY82P
		LY41PT1P
		LY42PT1P
	PCRP-1H20-16A-FD	LH42C4PT1P (OUT PUT)
		RY41PT1P
		LY42NT1P
		FUJI Electric
		NP1Y32U09P1
		NP1Y64U09P1
		NP1W6406U (OUT PUT)

*For DC24V ONLY



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B.T.O product

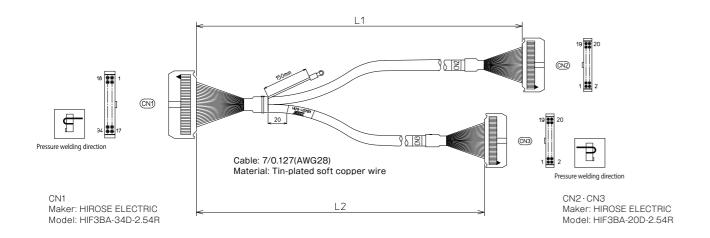
KB34Y-1H1H-①-②-15B

PCRY□-1H20-16A-FD

PCRP-1H20-16A-FD

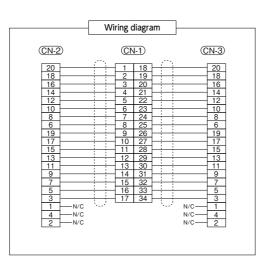
Applicable Relay Terminal Units PCRY□-1H20-16B-FD PCRY -1H20-16C-FD

Order Format	(1)	2	Length(mm)		Weight	
Order Format		(2)	L1	L2	(g)	
KB34Y-1H1H-①-②-15B	100	75	1000	750	196	
	150	125	1500	1250	289	
	200	175	2000	1750	400	
	300	275	3000	2750	599	
	500	475	5000	4750	987	



Comformity of relay terminal and PLC Module

Interface Cable	Relay Terminals	PLC Module
TC	KEYENCE	
KB34Y-1H1H-①-②-15B		KV-NC32ET
		KV-NC32EXT (OUT PUT)
	PCRY□-1H20-16A-FD	KV-C32TA
	PCRY□-1H20-16B-FD PCRY□-1H20-16C-FD	KV-C64TA
		KV-C32TC/TD
		KV-C64TC/TD
		KV-C32XTD (OUT PUT)
		KEYENCE
	PCRP-1H20-16A-FD	KV-C32TCP
		KV-C64TCP



*For DC24V ONLY

ACCESSORIES

Replacement Relays

	Model No.	Maker	Sales lot
	RB105-DE (BLACK)	FUJI Electric	1
GEOLI-DE and	RE0A-DE (RED)	FUJI Electric	1
REOD-DE BIT	REOD-DE (RED)	FUJI Electric	1
	APAN3124 (BLACK)	Panasonic	1

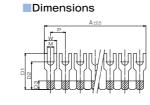
Short bar (Common bar) For PCRY---1H20-16-FD, PCRP-1H20-16A-FD



Order Format

SB7.62-[No. of poles

> -B=BLACK G=GREEN O=ORANGE



							(11111)
Р	Part No.	No.ofpoles	Α	Dime	ensions	Rated current	Sales lot
	SB7.62-2	2	13.42	W:5.8	t: 0.5		50
7.62mm	-10	10	74.34	M:3.1 D1:17 D2:13 D3:4	7 3 15A	50	
	-20	20	150.58			50	
	-40	40	302.98			50	

Withstand voltage: AC1500V/min Material terminal: Brass (Ni plating)

Order Format Dimensions B7.62-[

(mm)								
Р	Part No.	No.ofpoles	Α	Dimensions	Rated current	Sales lot		
	□B7.62-2	□B7.62-2 2 13.42		50				
7.62mm	-4	4	28.66	W:5.8 t: 0.5 M:3.1 D1:18 D2:14 D3:5	3.1 D1:18 D2:14	50		
	-6	6	43.9			50		
	-8	8	59.14			50		
	-10	10	74.34			50		
	-40	40	302.98			50		

Withstand voltage: AC1500V/min Material terminal: Brass (Ni plating)

Insulation part: PVC

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WARNING & CAUTION

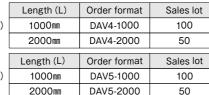
Stopper

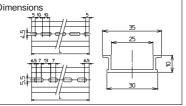
Model No.	Dimensions	Sales lot
GTY13	45 32 32 G (8) DIN 35mm	100
GTY18	45 26 0 (v.) 0 N 35mm co	50
SDV-1	25 21 20 SDV-1 3	50

Rail For 35mm Mounting Rail



DAV4	Leng
nole width:4.5)	100
	20
DAV5	Leng
nole width:5.5)	10
1010 1110111.0.07	10



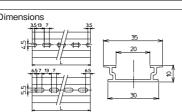




DAS5	
(hole width:5.5)	
	Γ

DAS4 (hole width:4.5)

Length (L)	Order format	Sales lot
1000mm	DAS4-1000	100
2000mm	DAS4-2000	50
Length (L)	Order format	Sales lot
1000mm	DAS5-1000	100
2000mm	DAS5-2000	50



Rail-Endcap For 35mm Mounting Rail



Features: Preventing injury by a cutting plane of a mountin rail Material: modified PPE (UL94V-0)
Color: Black

Part No. Dimension (mm)		TOGI Mounting Rail		Dimension of Mounting Rail (mm)	Sales lot
		Height	Model No.	Differsion of Mounting Hall (IIIII)	Sales lut
DIN35-10CA	ω ω 37.3	10.00	DAV	25	
		10mm -	DAS		10 pcs/pack
DIN35-7.5CA	37.3	7.3mm	DMS		
		7.5mm	Can be u	sed with TH 35-7,5 rail (IEC 60715 / DIN 46277-3)	

Safe Use of Terminal Relay and Relay Terminal Unit

Please read through the following before wiring works and maintenance.

- Always turn OFF the power supply before wiring. Electrical shock may occur.
- Do not exceed the ratings. Doing so may damage or burn out the product.
- Do not bend a wire past its natural bending radius or pull on it with excessive force. Doing so may cause the wire disconnection. Do not place excessive force on a product. Doing so may damage or deform the product and result in contact failure.
- Do not use the products in locations where corrosive or flammable gases may be present, or in locations subject to high temperature or humidity. Doing so may damage the Terminal Block due to contact failure or corrosion.
- Do not use the product submersed in oil or water, or in locations continuously subject to splashes of oil or water. Doing so may result in oil or water entering and damaging the product.
- Do not use or keep the product under the following conditions:
- Subject to severe temperature changes.
- Subject to high humidity or condensation.
- Subject to severe vibration or shock.
- Where direct rays of the sun strike.
- ◆Where sea breeze may be present.
- Do not touch the product with wet hands.
- •Use applicable tools for works.
- Mount the product on a IEC rail securely and fix it with stoppers on the both ends.

Installation and Wiring

- Use wires that are suited to the load current and voltage.
 Otherwise, excessive heat generated by the wires may cause burning or may cause the wire covering to melt, possibly leading to electric shock.
- Do not use wires with a damaged outer covering, it may result in electric shock or ground leakage.it may result in electric shock or ground leakage.
- Do not wire any wiring in the same duct or conduit as power or high-tension lines. Inductive noise may damage the I/O Relay Terminal or cause it to malfunction.
- Do not apply a voltage or current that exceeds the rating to any terminal. Doing so may result in failure or burning.
- Do not use a deforming Short Bars. Doing so may result in damage, malfunction, or deterioration of performance characteristics.
- Do not drop products.

**Change of the specifications and discontinuation of the product may occur without announcement.

△ CAUTION for safety

- For your safety, please read this catalogue carefully before use of product.
- Products on this catalog may limit purpose and place of use, and also may require regular maintenance. Please confirm with your distributor or the maker directly.
- For your safety, all electrical wiring must be done by a qualified electrician.

BEFORE PURCHASE

- Product designs and specs may change without notice.
- Product color may slightly differ from this catalog.
- Please contact us for the product details and drawings.



Please contact our technical support team for product inquiries.

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