

Features

- Screwclamp terminal block interface breaks out connector into terminals.
- Number of terminals: 15, 20, 25, 30, 34, 37, 40, 50.
- Vertical and back side connectors are also available.*
*Back side connector is not available for DIN rail mount.
- UL, CSA listed.

How to order

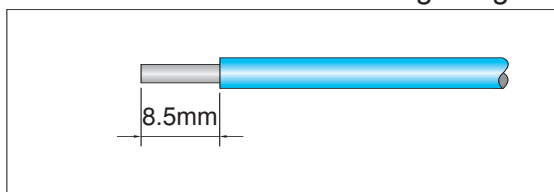
PS5D - 40 V 3

Series No. ① ② ③

- ① Terminal Quantity : 15, 20, 25, 30, 34, 37, 40, 50
- ② Connector Direction : V··Vertical: Connector faces top
H··Horizontal: Connector faces front
B··Back: Connector faces back
- ③ Connector List : P/N*

*Please select number from the connector list on page 14.

Recommended Wire Peeling Length

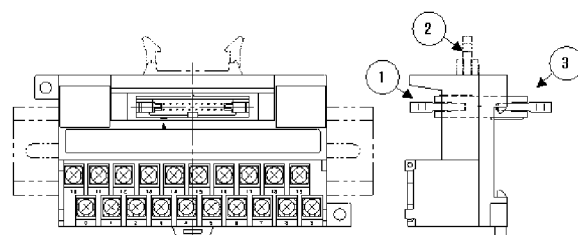


Specifications

Terminal No.	15, 20, 25, 30, 34, 37, 40, 50, 64
Terminal Pitch	5.08mm
Recommended wire	1.25mm ² (Max :2mm ²)
Tightening Torque	0.3~0.45N·m *When Wiring
Voltage Rating	125V
Maximum Current	1A
Withstand Voltage (50/60Hz)	AC500V·1min. *Terminals AC2000V·1min. *with ground
Insulation Resistance	More than 1000MΩ *Between reception and ground terminal DC500V M
Vibration Resistant	10~55Hz/Double amplitude :1.5mm
Shock Resistant	491m/s ² More than (50G)
Ambient Temperature	-20~+55°C *Operating
Ambient Temperature	-25~+85°C *Storage
Relative Humidity	45~85% R.H.
Mount Procedure	DIN Rail or direct mount

*Please see 156-159 for UL, CSA compliance in detail.

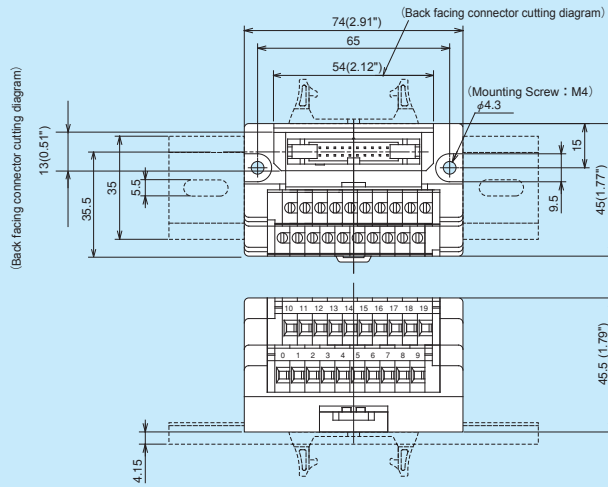
Connector direction



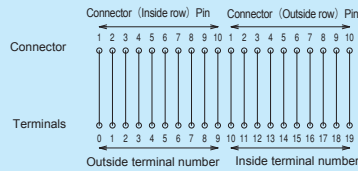
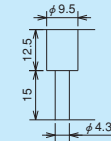
- ① V - Vertical : Connector faces top
- ② H - Horizontal: Connector faces front
- ③ B - Back : Connector faces back

MIL Standard Connector Type

PS5D-20V/H/B

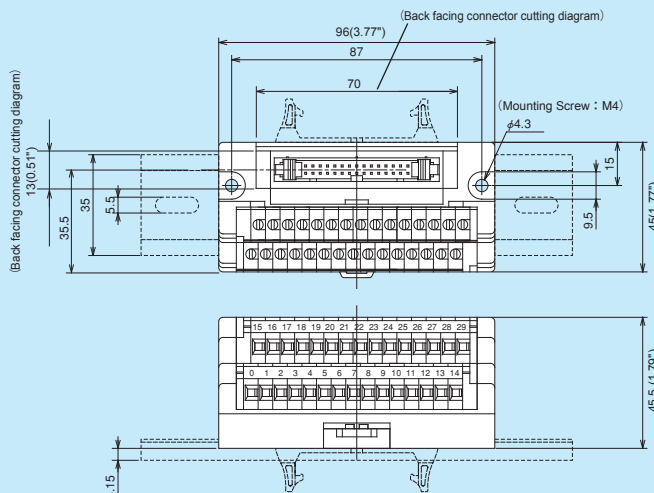


Mounting hole diagram

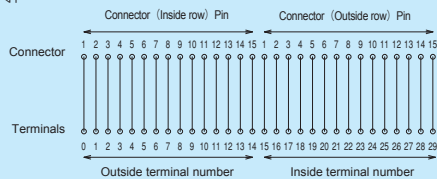
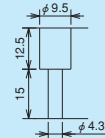


*Front and back row connector pin assignment are reversed in case of using back side type

PS5D-30V/H/B



Mounting hole diagram



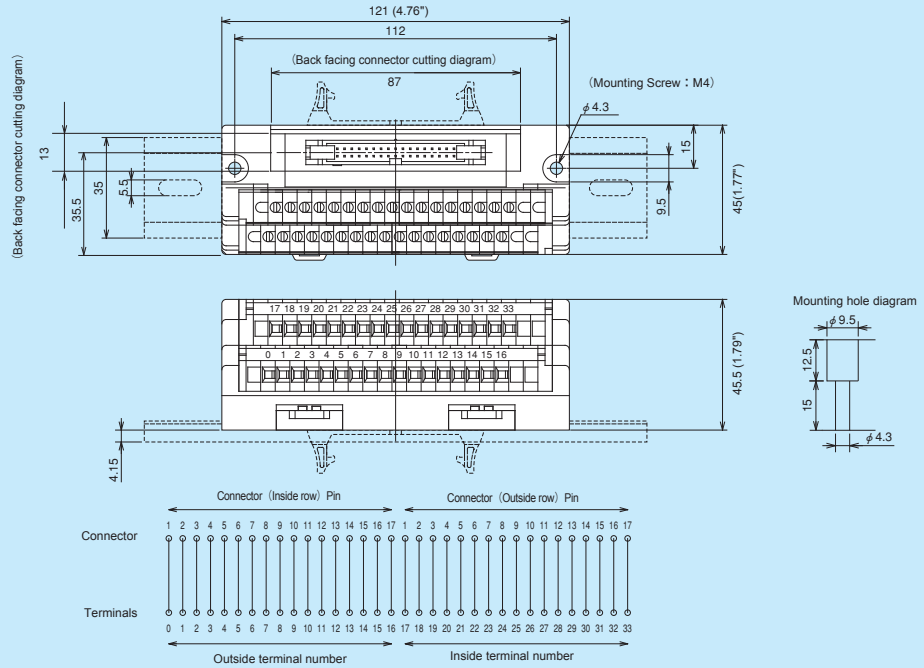
*Connector pin assignments can be reversed if using the back facing terminal connector.

PS5Dseries

MIL Standard Connector Type

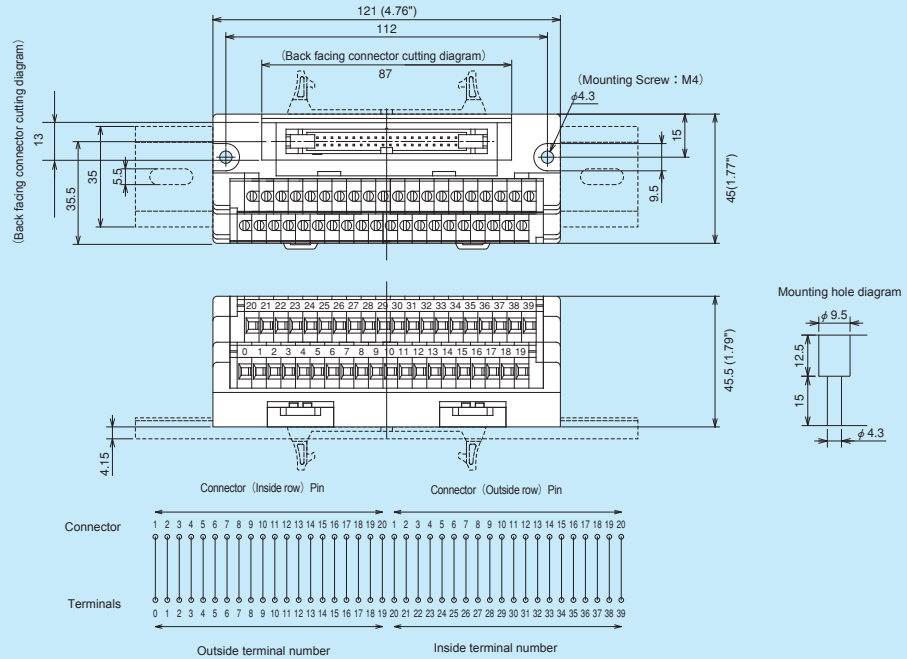
PS5D

PS5D-34V/H/B



*Connector pin assignments can be reversed if using the back facing terminal connector.

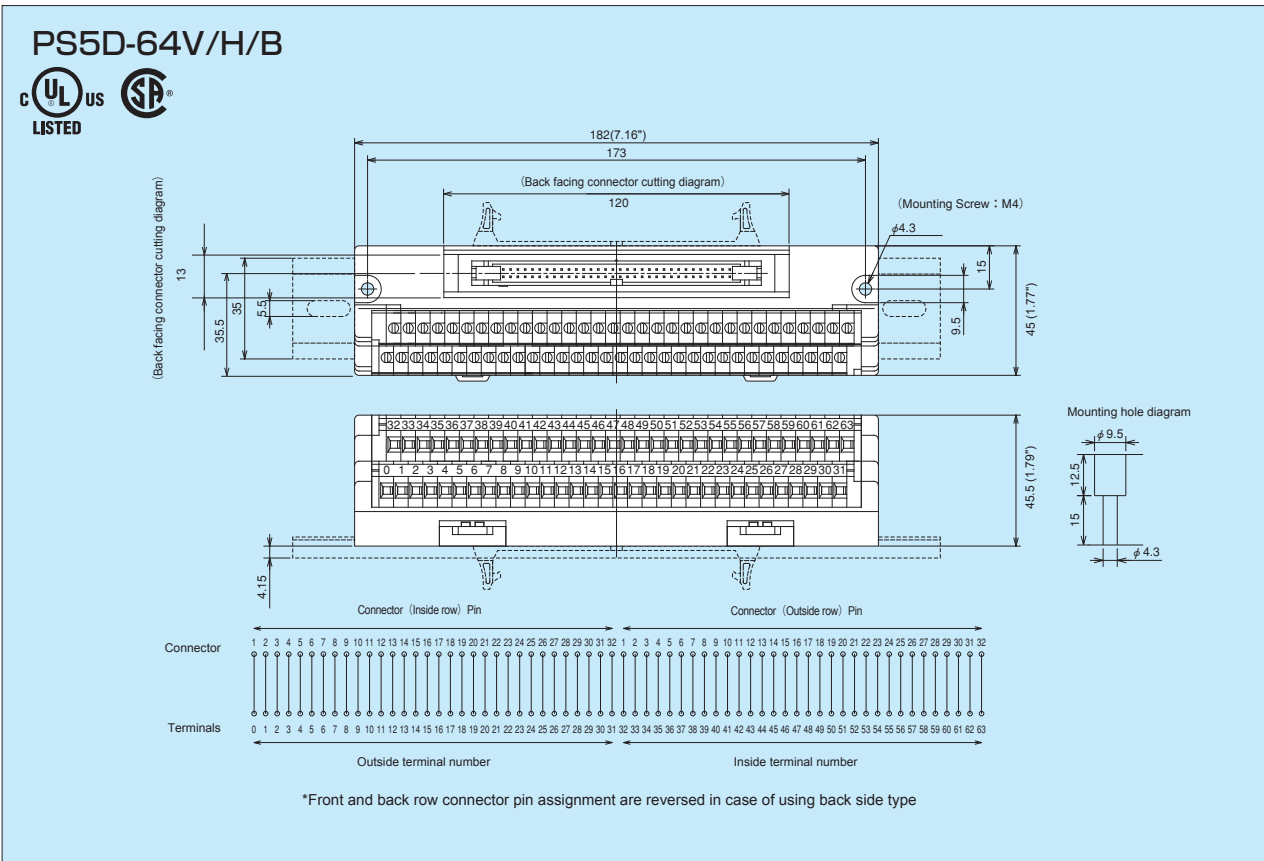
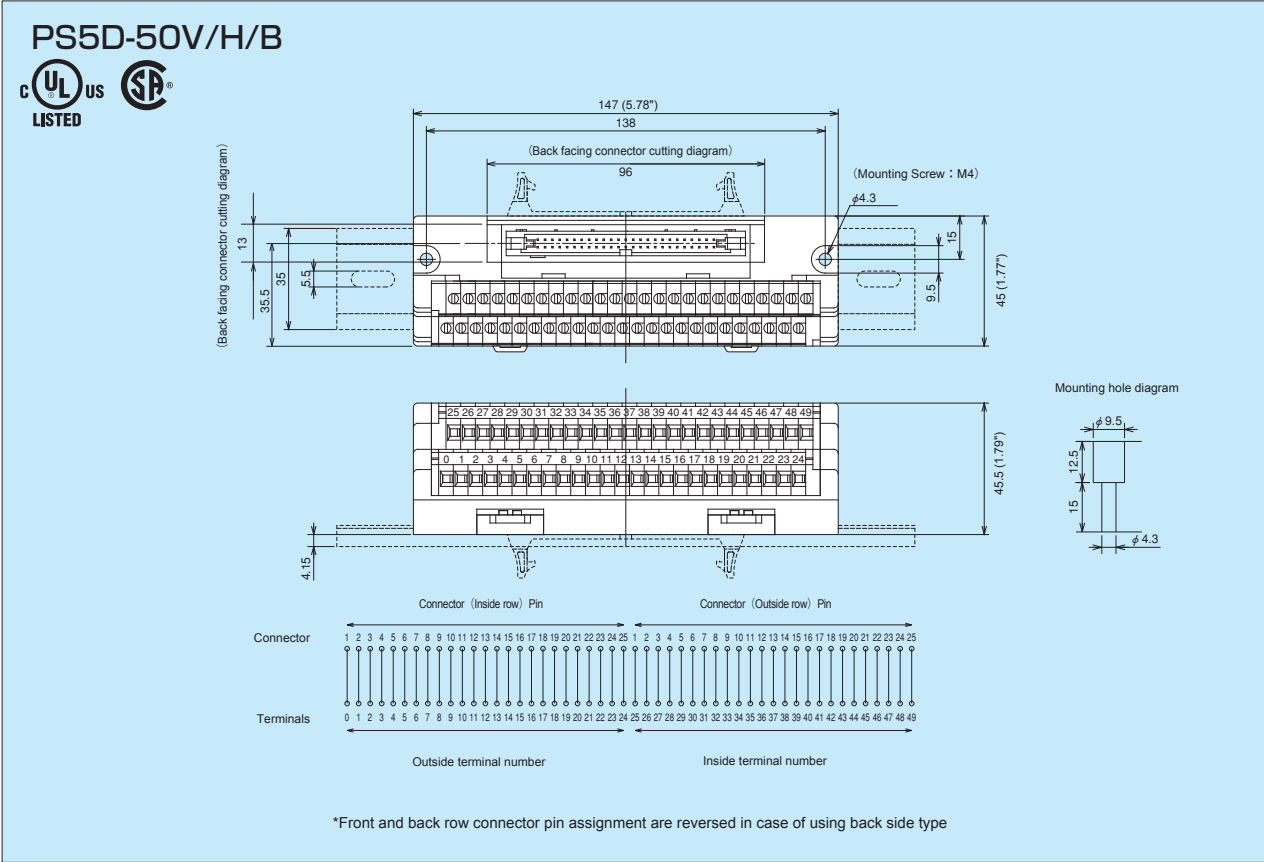
PS5D-40V/H/B



*Connector pin assignments can be reversed if using the back facing terminal connector.



MIL Standard Connector Type

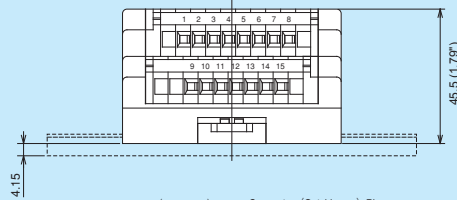
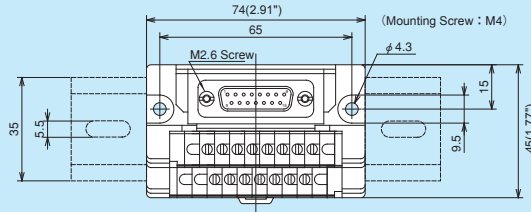


PS5Dseries

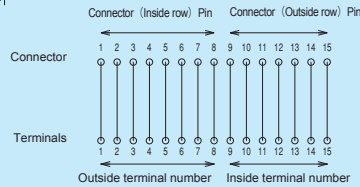
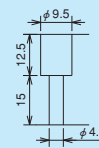
PS5D

D-Sub Connector Type

PS5D-15V3A (JAE Connector P/N : DA-15P-T-N)
 PS5D-15V4A (Hirose Connector P/N : SDAB-15P)

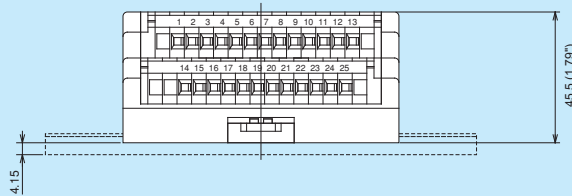
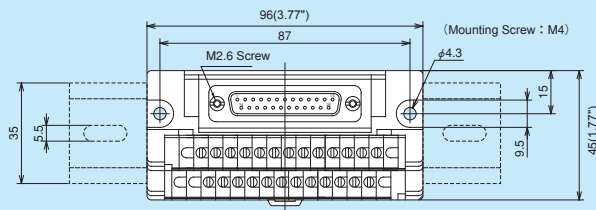


Mounting hole diagram

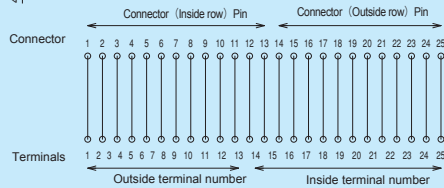
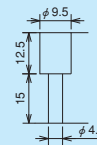


*Front and back row connector pin assignment are reversed in case of using back side type

PS5D-25V3A (JAE Connector P/N : DB-25P-T-N)
 PS5D-25V4A (Hirose Connector P/N : SDBB-25P)



Mounting hole diagram

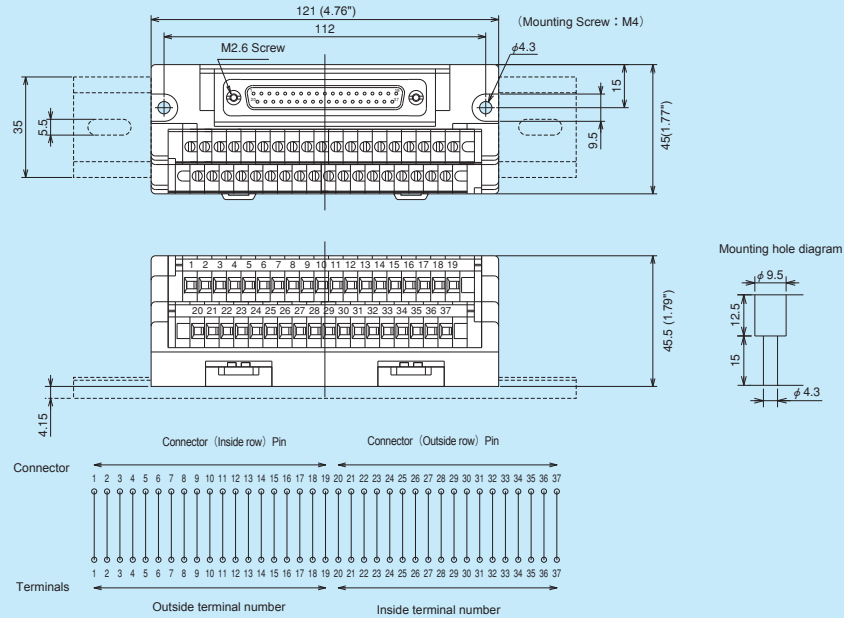


*Front and back row connector pin assignment are reversed in case of using back side type

D-Sub Connector Type



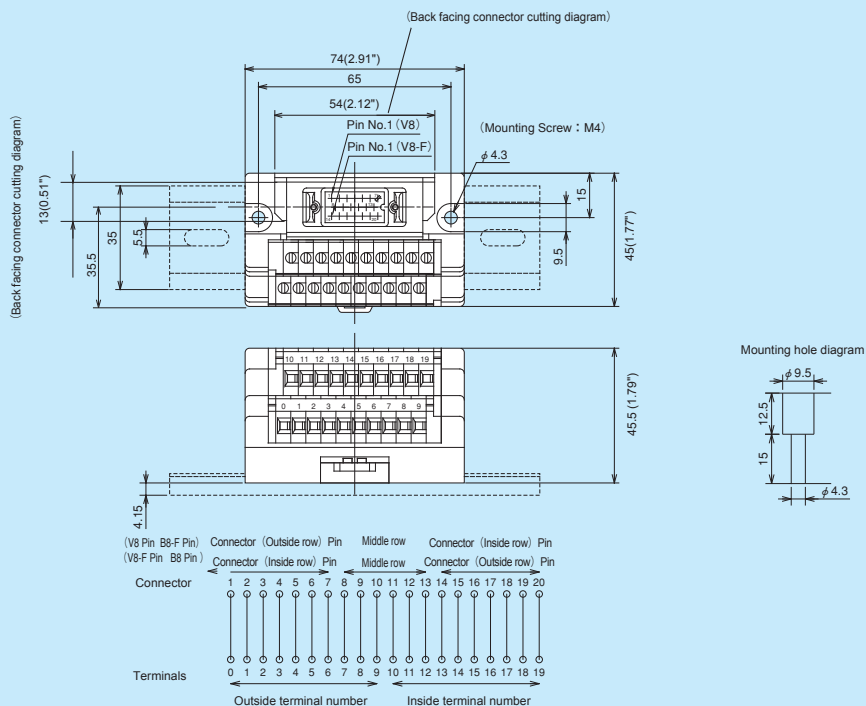
PS5D-37V3A (JAE Connector P/N : DC-37P-T-N)
 PS5D-37V4A (Hirose Connector P/N : SDCB-37P)



*Front and back row connector pin assignment are reversed in case of using back side type

Honda MR Connector Type

PS5D-20V8/B8 (Male connector P/N : MR-20RMD2)
 PS5D-20V8-F/B8-F (Female connector P/N : MR-20RFD2)



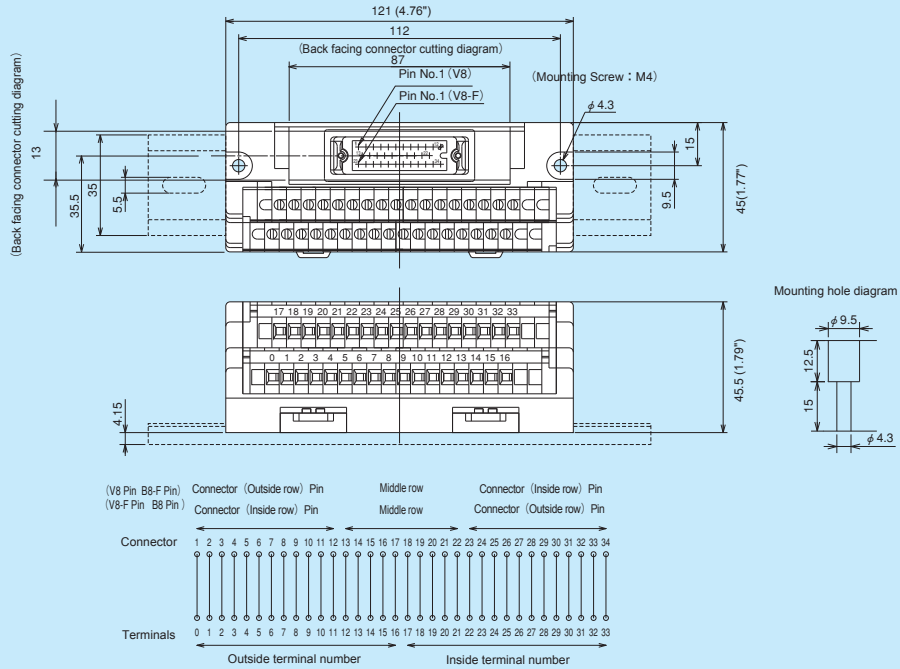
PS5Dseries

Screw Clamp 5.08mm Pitch

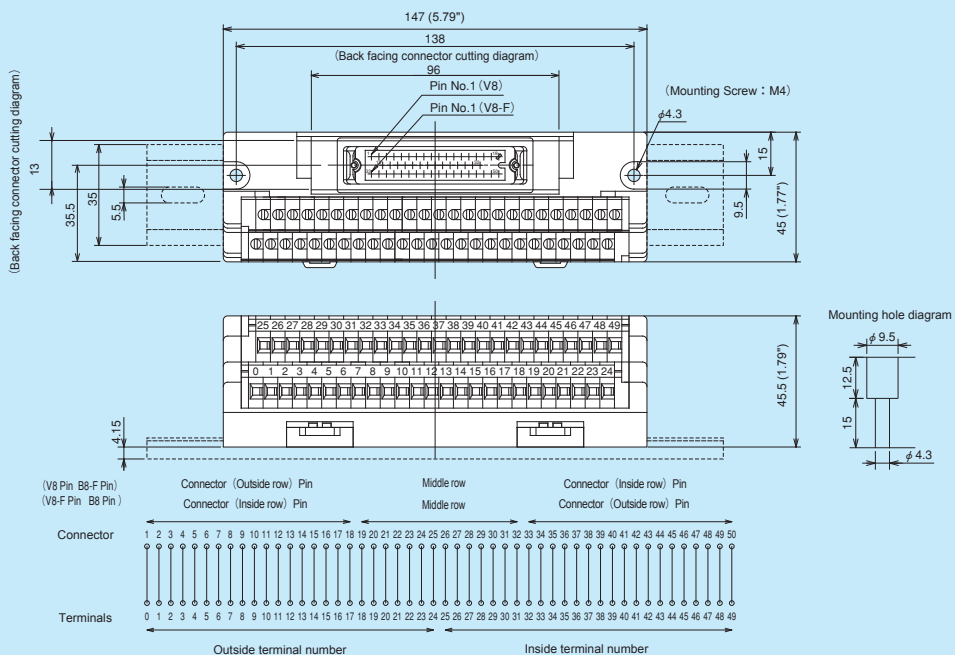
Honda MR Connector Type

PS5D

PS5D-34V8/B8 (Male Connector P/N : MR-34RMD2)
 PS5D-34V8-F/B8-F (Female Connector P/N : MR-34RFD2)



PS5D-50V8/B8 (Male Connector P/N : MR-50RMD2)
 PS5D-50V8-F/B8-F (Female Connector P/N : MR-50RFD2)



Connector list

MIL-Standard Connector List

P/N	Manufacturer	Connector Side	Connector Direction	20P	30P	34P	40P	50P	
1	Obsolete								
2	Omron	Module Side	V/B	XG4A-2031	XG4A-3031	XG4A-3431	XG4A-4031	XG4A-5031	
			H	XG4A-2034	XG4A-3034	XG4A-3434	XG4A-4034	XG4A-5034	
		Cable Side	Flat	XG4M-2030	XG4M-3030	XG4M-3430	XG4M-4030	XG4M-5030	
			Round	XG5M-203*	XG5M-303*	XG5M-343*	XG5M-403*	XG5M-503*	
3	JAE	Module Side	V/B	PS-20PE-D4T1-LP1	PS-30PE-D4T1-LP1	PS-34PE-D4T1-LP1	PS-40PE-D4T1-LR	PS-50PE-D4T1-LP1	
			H	PS-20PE-D4LT1-LP1	PS-30PE-D4LT1-LP1	PS-34PE-D4LT1-LP1	PS-40PE-D4LT1-LP1	PS-50PE-D4LT1-LP1	
		Cable Side	Flat	PS-20SEN-D4P1-1C	PS-30SEN-D4P1-1C	PS-34SEN-D4P1-1C	PS-40SEN-D4P1-1C	PS-50SEN-D4P1-1C	
			Round	PS-D4C20	PS-D4C30	PS-D4C34	PS-D4C40	PS-D4C50	
4	Hirose Connectors	Module Side	V/B	HIF3BA-20PA-2.54DSA	HIF3BA-30PA-2.54DSA	HIF3BA-34PA-2.54DSA	HIF3BA-40PA-2.54DSA	HIF3BA-50PA-2.54DSA	
			H	HIF3BA-20PA-2.54DS	HIF3BA-30PA-2.54DS	HIF3BA-34PA-2.54DS	HIF3BA-40PA-2.54DS	HIF3BA-50PA-2.54DS	
		Cable Side	Flat	HIF3BA-20D-2.54R	HIF3BA-30D-2.54R	HIF3BA-34D-2.54R	HIF3BA-40D-2.54R	HIF3BA-50D-2.54R	
			Round	HIF3BA-20D-2.54C	HIF3BA-30D-2.54C	HIF3BA-34D-2.54C	HIF3BA-40D-2.54C	HIF3BA-50D-2.54C	
5	Obsolete								
6	Fujitsu	Module Side	V/B	—	—	—	FCN-364P040-AU	—	
			H	—	—	—	FCN-365P040-AU	—	
		Cable Side	Flat Crimp	—	—	—	FCN-367J040-*/*/	—	
			Round Crimp	—	—	—	FCN-363J040-*/	—	
Soldering	—	—	—	FCN-361J040-*/	—				
7	Obsolete								
8	HTK Honda Tsushin Kogyo	Module Side	V/B	MR-20RMD2	—	MR-34RMD2	—	MR-50RMD2	
			Cable Side	Round Crimp	MRP-20F01	—	MRP-34F01	—	MRP-50F01
				Soldering	MR-20F	—	MR-34F	—	MR-50F
9	Obsolete								
10	Yamaichi Electronics	Module Side	V/B	FAP-2001-1204-OBS	FAP-3001-1204-OBS	FAP-3401-1204-OBS	FAP-4001-120-OBS	FAP-5001-1204-OBS	
			H	FAP-2001-1202-OBS	FAP-3001-1202-OBS	FAP-3401-1202-OBS	FAP-4001-120-OBS	FAP-5001-1202-OBS	
		Cable Side	Flat	FAS-2001-2101-OBF	FAS-3001-2101-OBF	FAS-3401-2101-OBF	FAS-4001-201-OBF	FAS-5001-2101-OBF	
			Round	UFS-20B-04	UFS-30B-04	UFS-34B-04	UFS-40B-04	UFS-50B-04	
11	KEL	Module Side	V/B	6201-020-256	6201-030-256	6201-034-256	6201-040-256	6201-050-256	
			H	6201-020-258	6201-030-258	6201-034-258	6201-040-258	6201-050-258	
		Cable Side	Flat	6200-020-601	6200-030-601	6200-034-601	6200-040-601	6200-050-601	
			Round	—	—	—	—	—	
12	DDK Daiichi Denshi Kogyo	Module Side	V/B	FRC5-C20S53T-OL	FRC5-C30S53T-OL	FRC5-C34S53T-OL	FRC5-C40S53T-OL	FRC5-C50S53T-OL	
			H	FRC5-C20L53T-OL	FRC5-C30L53T-OL	FRC5-C34L53T-OL	FRC5-C40L53T-OL	FRC5-C50L53T-OL	
		Cable Side	Flat	FRC5-A020-2TOS	FRC5-A030-2TOS	FRC5-A034-2TOS	FRC5-A040-2TOS	FRC5-A050-2TOS	
			Round	—	—	—	—	—	
13	JST	Module Side	V/B	RX-H201TD-1190	—	RX-H341TD-1190	RX-H401TD-1190	RX-H501TD-1190	
			H	RX-H201SD-1190	—	RX-H341SD-1190	RX-H401SD-1190	RX-H501SD-1190	
		Cable Side	Flat	RX-S201S-1390	—	RX-S341S-1390	RX-S401S-1390	RX-S501S-1390	
			Round	—	—	—	—	—	
14	3M	Module Side	V/B	3428-6002LCSC	3440-6002LCSC	3431-6002LCSC	3432-6002LCSC	3433-6002LCSC	
			H	3428-5002LCSC	3440-5002LCSC	3431-5002LCSC	3432-5002LCSC	3433-5002LCSC	
		Cable Side	Flat	7920-F500SC	7930-F500SC	7934-F500SC	7940-F500SC	7950-F500SC	
			Round	—	—	—	—	—	



UL Compliant List

UL Compliant Products

P/N	Voltage Rating	Maximum Current	Recommended wire	Note
PM5D	125V	1A	Solid: 14-26AWG. Stranded: 16-22AWG.	
PM5DW	125V	1A	Solid: 14-26AWG. Stranded: 16-22AWG.	
PM5WR	Input: TB side: DC24V CN side: AC125V / DC30V Output: TB side: AC250V / DC30V CN side: DC24V	Input: 1A (Resistance Inductive load) Output: 3A (Resistance load) 2A (Inductive load)	Solid: 14-26AWG. Stranded: 16-22AWG.	

UL Compliant Connectors

P/N	Manufacturer	Mounting Direction	Part Number	Note
2	Omron	V/B	XG4A- () 31	(): Connector pin number
		H	XG4A- () 34	
12	Daiichi Denshi	V/B	FRC5 - C () S53T - OL	(): Connector pin number
		H	FRC5 - C () L53T - OL	
13	JST	V/B	RX - H () ITD -1190	(): Connector pin number
		H	RX - H () ISD -1190	
14	3M	V/B	3 ()- 6002LCSC	(): Pin number code 428: 20P, 440: 30P, 431: 34P, 432: 40P, 433: 50P
		H	3 ()- 6002LCSC	

UL, C-UL Compliant Products

P/N	Voltage Rating	Maximum Current	Recommended wire	Note
PS5D	125V	1A	14-20AWG.	
PS7DS / PX7DS	125V	1A	16-20AWG.	
PS7DW / PX7DW	125V	1A	16-20AWG.	
PS7L / PX7L	DC24V	Input: 7mA (Input Impedance: 3.3kΩ) Output: 500mA	16-20AWG.	
PSDS/PXDS	125V	1A	14-18AWG.	
PSD / PXD	125V	1A	14-18AWG.	
PSL / PXL	DC24V	Input: 7mA (Input Impedance: 3.3kΩ) Output: 500mA	14-18AWG.	
PSP / PXP	DC24V	10mA MAX. (Open collector)	14-18AWG.	
PSND	125V	1A	10-16AWG.	
PSWR / PXWR	Input: TB side: DC24V CN side: AC125V / DC30V Output: TB side: AC250V / DC30V CN side: DC24V	Input: 1A (Resistance Inductive load) Output: 3A (Resistance load) 2A (Inductive load)	14-18AWG.	
PSWP / PXWP	Input : TB side: DC24V CN side: DC30V MAX. Output: TB side: DC30V MAX. CN side: DC30V MAX.	10mA MAX. (Open collector)	14-18AWG.	
PSWPX / PXWPX	Input : TB side: DC24V CN side: DC30V MAX. Output: TB side: DC30V MAX. CN side: DC24V MAX.	Input: 10mA MAX. (Open collector) Output: 100mA MAX. (Open collector)	14-18AWG.	
PSTD	125V	1A	14-18AWG.	

UL, C-UL Compliant Connectors

P/N	Manufacturer	Mounting Direction	Part Number	Note
2	Omron	V/B	XG4A- () 31	() : Connector pin number
		H	XG4A- () 34	
12	Daiichi Denshi	V/B	FRC5 - C () S53T - OL	() : Connector pin number
		H	FRC5 - C () L53T - OL	
13	JST	V/B	RX - H () ITD -1190	() : Connector pin number
		H	RX - H () ISD -1190	
14	3M	V/B	3 () - 6002LCSC	() : Pin number code 428: 20P, 440: 30P, 431: 34P, 432: 40P, 433: 50P
		H	3 () - 6002LCSC	

CSA Compliant Products

P/N	Voltage Rating	Maximum Current	Recommended wire	Note
PM5D	125V	1A	Solid: 14-26AWG. Stranded: 16-22AWG.	
PM5DW	125V	1A	Solid: 14-26AWG. Stranded: 16-22AWG.	
PM5WR	Input: TB side: DC24V CN side: AC125V / DC30V Output: TB side: AC250V / DC30V CN side: DC24V	Input: 1A (Resistance Inductive load) Output: 3A (Resistance load) 2A (Inductive load)	Solid: 14-26AWG. Stranded: 16-22AWG.	
PS5D	125V	1A	14-20AWG.	
PS7DW / PX7DW	125V	1A	16-20AWG.	
PS7L / PX7L	DC24V	Input: 7mA (Input Impedance: 3.3kΩ) Output: 500mA	16-20AWG.	
PSD / PXD	*125V(60V)	1A	14-18AWG.	
PSL / PXL	DC24V	Input: 7mA (Input Impedance: 3.3kΩ) Output: 500mA	14-18AWG.	Except IZ
PSP / PXP	DC24V	10mA MAX. (Open collector)	14-18AWG.	
PSND	125V	1A	10-16AWG.	
PSWR / PXWR	Input: TB side: DC24V CN side: AC125V / DC30V Output: TB side: AC250V / DC30V CN side: DC24V	Input: 1A (Resistance Inductive load) Output: 3A (Resistance load) 2A (Inductive load)	14-18AWG.	
PSWP / PXWP	Input : TB side: DC24V CN side: DC30V MAX. Output: TB side: DC30V MAX. CN side: DC30V MAX.	10mA MAX. (Open collector)	14-18AWG.	
PSWPX / PXWPX	Input : TB side: DC24V CN side: DC30V MAX. Output: TB side: DC30V MAX. CN side: DC24V MAX.	Input: 10mA MAX. (Open collector) Output: 100mA MAX. (Open collector)	14-18AWG.	
PSTD	125V	1A	14-18AWG.	

*Voltage rating of P/N "8" and "8-F" are 60V.

CSA Compliant Connectors

P/N		Mounting Direction	Part Number	Note
5	Fujitsu	V/B	FCN - 604Q064-G/M	Only 64p is capable
		H	FCN - 605Q064-G/M	
6		V/B	FCN - 364P040-AU	Only 40p is capable
		H	FCN - 365P040-AU	
8	HTK	V/B	MR- () RMD2	() : Connector pin number
8-F	Honda Tsushin Kogyo	V/B	MR- () RFD2	
9			Obsolete	
10	Yamaichi Electronics	V/B	FAB- () 01-1204-OBS	() : Connector pin number
		H	FAB- () 01-1202-OBS	
14	3M	V/B	3 () - 6002LCSC	() : Pin number code 662: 10P, 408: 16P, 428: 20P, 440: 30P, 431: 34P, 432: 40P 433: 50P
		H	3 () - 5002LCSC	
3A	JAE	V	DA-15P-T-N	
			DB-25P-T-N	
			DC-37P-T-N	
4A	Hirose Connectors	V	SDAB-15P	
			SDBB-25P	
			SDCB-37P	

★ The products and specifications described in this manual or the content and presentation of the manual may be changed without notice to improve the product and/or the manual.



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