

PS3 Series

High Current Connector



High-Current



Floating



Finger Protect



Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81
Россия +7(495)268-04-70

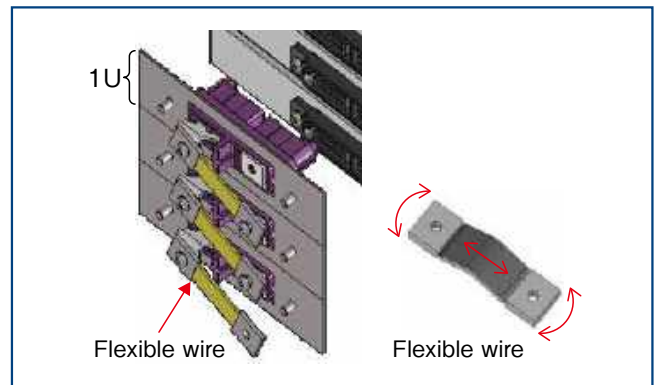
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Оренбург (3532)37-68-04
Орел (4862)44-53-42
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47
Казахстан +7(7172)727-132

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35
Киргизия +996(312)96-26-47

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

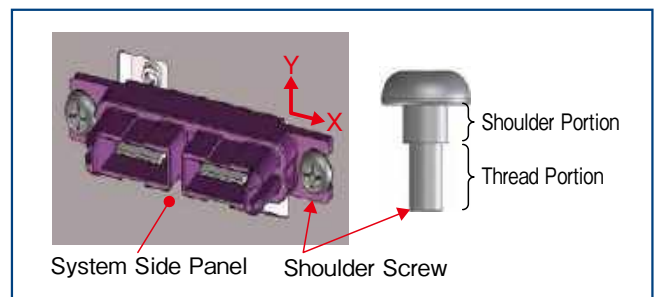
Features

1. Power contact supports up to 150A (Derating Curve, Ambient Temp 25°C : 210A) with 50mm sq. 1/0 AWG wire.
2. Unique blade contact design enables slim size and mounting to standard 1U rack (44.5mm × 482.6mm).

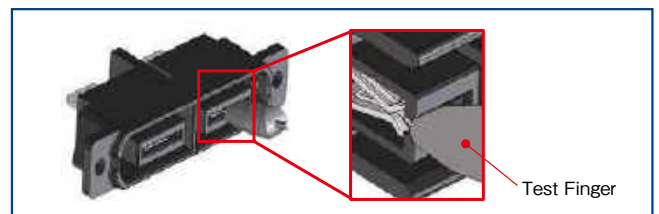


3. Special screws are used in the receptacle to allow the floating ($\pm 2.0\text{mm}$) in X Y directions.

Connector floating is allowed by using flexible wire without missing flexibility in short distant wiring between 1U connection.



4. The cable connection to the power contact is made by means of a screw to a JIS round crimp contact.
5. The plug side (battery side) has finger protection design to prevent shock hazard and provide safety and security.



6. A special dust cap is available and can be used with both the plug and receptacle.
7. The plug and receptacle have been UL, C-UL and TÜV certified.

Product Specifications

Rated Current (Note 1) (Note 3)	Power	Power, 50sq, 1/0 AWG (Derating Curve, Ambient Temp 25°C)	Signal	Operating Temperature (Note 4)	-40 to +105°C
	150A	210A	1A	Storage Temperature Range	-40 to +60°C
Rated Voltage (Note 1)	1000V AC/DC				

Applicable Cable	Power	5 to 1/0 AWG 14 to 50sq (WL1, WL2) (Note 1, Note 2)
	Signal	20 to 22 AWG

Note 1 : UL, C-UL and TÜV certifications have been certified while changing conditions such as rated current and voltage multiple times.

For details, see the "Conditions on Safety Standards (UL, C-UL, TÜV)"

Note 2 : Select your cables based on the current capacity needed for your application.

Flexible wires are recommended to provide flexibility to the receptacles (system side).

Note 3 : Used 50sq (1/0 AWG) cable.

Note 4 : Operating temperature includes the temperature rise by current flow.

Materials / Finish

● Receptacle

Parts	Materials	Color/Finish	Remarks
Insulator	PBT	Black	UL94V-0
Contact	Copper Alloy	Silver Plating	-
Contact Retention Plate A	PBT	Black	UL94V-0
Contact Retention Plate B	PBT	Black	UL94V-0
Floating Screw	Steel	Nickel Plating	-
Signal Male Contact	Copper Alloy	Gold Plating	-
Signal Retention Plate (12)	PBT	Black	UL94V-0
Signal Retention Plate (16)	PBT	Black	UL94V-0

● Plug

Parts	Materials	Color/Finish	Remarks
Insulator	PBT	Black	UL94V-0
Contact	Copper Alloy	Silver Plating	-
Contact Retention Plate C	PBT	Black	UL94V-0
Signal Female Contact	Copper Alloy	Gold Plating	-
Signal Retention Plate (12)	PBT	Black	UL94V-0
Signal Retention Plate (16)	PBT	Black	UL94V-0

● Dust Cap

Parts	Materials	Color/Finish	Remarks
Insulator	Silicon Rubber	Blue	UL94HB

Product Number Structure

Refer to the chart below when determining the product specifications from the product number.
Please select from the product numbers listed in this catalog when placing orders.

Connector

PS3 - 2 U S / 12 S / 16 S
① ② ③ ④ ⑤ ⑥ ⑤ ⑥

Dust Cap

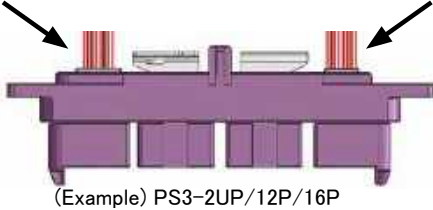
PS3 - 2 U - DC
① ② ③ ⑦

① Series Name	PS3	⑤ No. of Signal Contacts (per block)	
② No. of Power Contacts		⑥ Signal Contact Gender	P : Male Contact S : Female Contact
③ Current Capacity of Power Contact	U : 150A	⑦ Dust Cap	
④ Power Contact Gender	P : Male Contact S : Female Contact		

Combination List

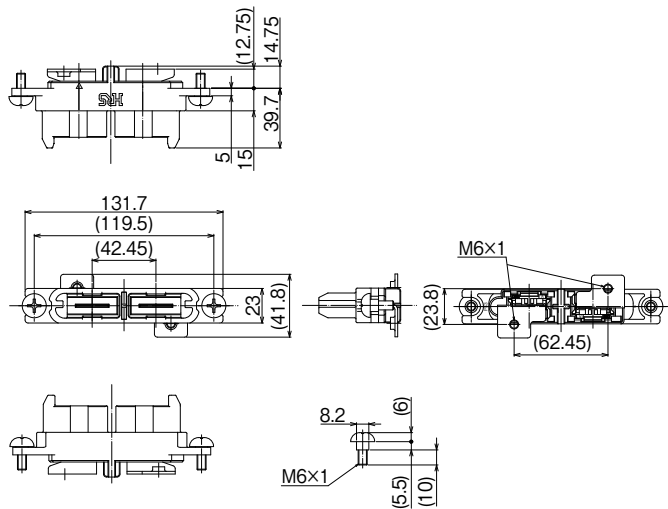
Signal part for Signal Hybrid Type is GT8E series (sold separately).

- PS3-2UP/12P/16P < GT8E-12DS-HU + GT8E-2022SCF (Gold Plating)
GT8E-16DS-HU + GT8E-2022SCF (Gold Plating)
- PS3-2US/12S/16S < GT8E-12DS-HU + GT8E-2022SCF (Gold Plating)
GT8E-16DS-HU + GT8E-2022SCF (Gold Plating)
- GT8E-16DS-HU + GT8E-2022SCF (Gold Plating) GT8E-12DS-HU + GT8E-2022SCF (Gold Plating)



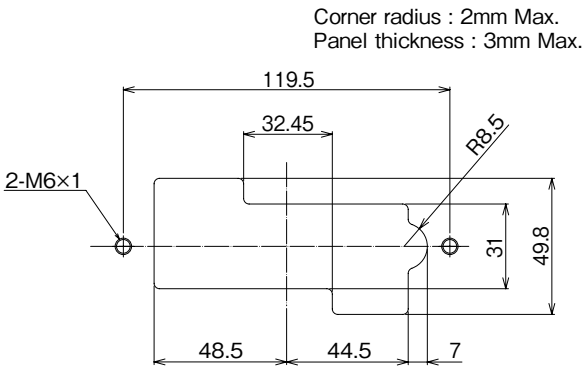
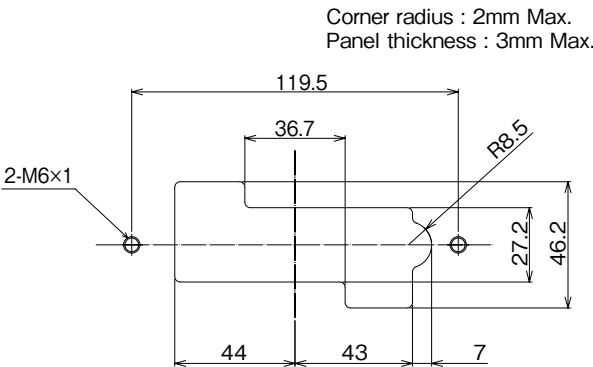
Receptacle

● PS3-2UP (Power Type)



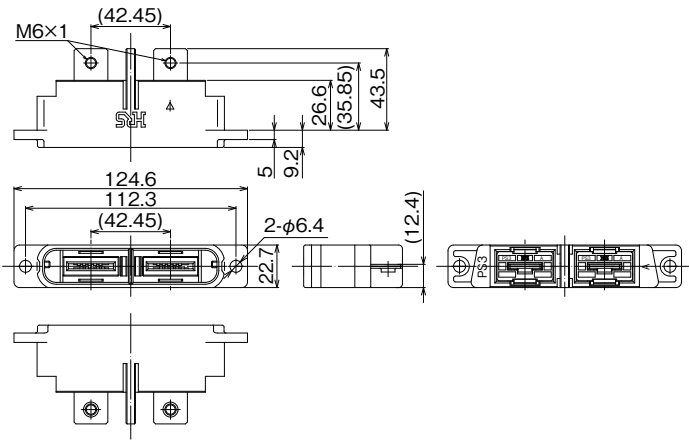
Part No.	HRS No.	Purchase Unit
PS3-2UP(10)	CL0236-1042-2-10	40pcs per box
PS3-2UP(11)	CL0236-1042-2-11	1pc per bag

■ Panel Cut-Out Dimensions



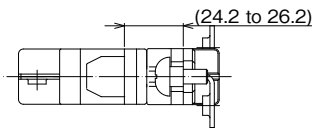
Plug

● PS3-2US (Power Type)

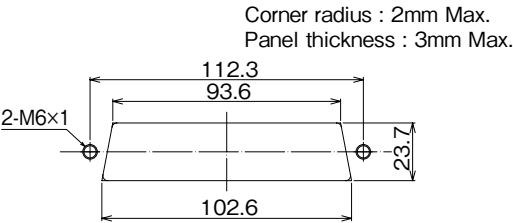


Part No.	HRS No.	Purchase Unit
PS3-2US(10)	CL0236-1041-0-10	40pcs per box
PS3-2US(11)	CL0236-1041-0-11	1pc per bag

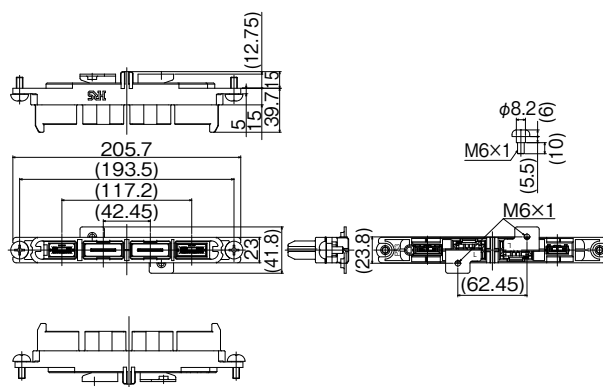
■ Distance Between Panels



■ Panel Cut-Out Dimensions

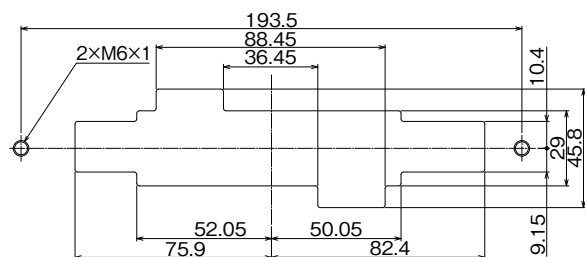


● PS3-2UP/12P/16P (Signal Hybrid Type)

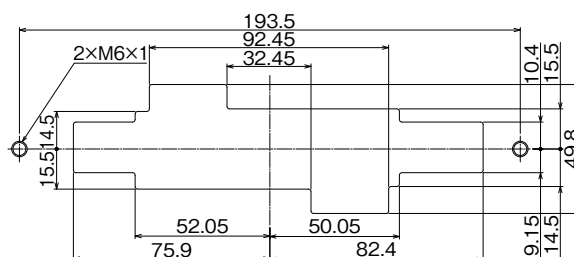


Part No.	HRS No.	Purchase Unit
PS3-2UP/12P/16P(10)	CL0236-1044-8-10	40pcs per box
PS3-2UP/12P/16P(11)	CL0236-1044-8-11	1pc per bag

Corner radius : 1mm Max.
Panel thickness : 3mm Max.

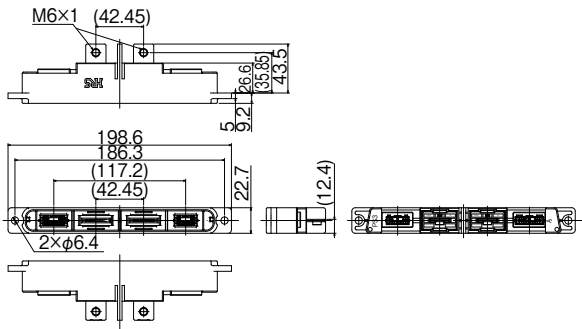


Corner radius : 1mm Max.
Panel thickness : 3mm Max.



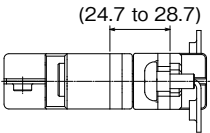
Plug

● PS3-2US/12S/16S (Signal Hybrid Type)

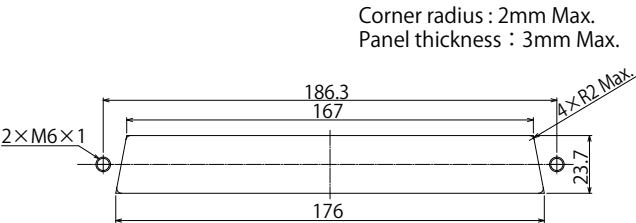


Part No.	HRS No.	Purchase Unit
PS3-2US/12S/16S(10)	CL0236-1043-5-10	40pcs per box
PS3-2US/12S/16S(11)	CL0236-1043-5-11	1pc per bag

■ Distance Between Panels



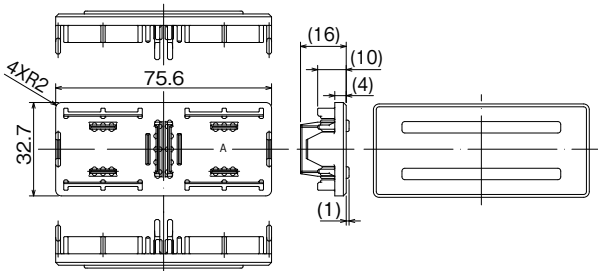
■ Panel Cut-Out Dimensions



Dust Cap

● PS3-2U-DC

This dust cap can be used for power supply part of receptacle and plug.



Part No.	HRS No.	Purchase Unit
PS3-2U-DC	CL0236-1054-1-00	40pcs per bag

Precautions

- M6 screws are used to attach to the panels. The recommended amount of torque used to tighten the screws should be 2.5 to 5.2 N·m.
- The recommended amount of torque used to tighten the screws to the power contacts should be 2.5 to 5.2 N·m.
- Power contacts are silver plated and may react with the sulfide in the atmosphere. This might cause the color to change to a dark brown.
- The power contacts do not support hot swap, so it cannot be used to shut off the power.

Safety Standards Certifications (UL, C-UL, TÜV)

The PS3 series has received safety certifications from the UL, C-UL, and TÜV under the conditions provided in Table 1 and Table 2.

Conditions for safety standards vary depending on submitted applications of current and voltage ratings. See Table 1 and Table 2.

● Table 1. Conditions for UL and C-UL

	Condition ①	Condition ②
Rated Voltage (AC/DC)	600V	
Rated Current	100A	150A
Cable	14 to 22sq (Note 1) 5 to 3 AWG	38 to 50sq (Note 1) 1 to 1/0 AWG
Creepage Distance (Note 2)	3.2mm Min.	
Clearance (Note 2)	3.2mm Min.	

● Table 2. Conditions for TÜV

	Condition I	Condition II	Condition III
Rated Voltage (AC/DC)	800V	600V	1000V
Rated Current	100A (cable 14 to 22sq, 5 to 3 AWG) (Note 1) 125A (cable 38sq, 1 AWG) (Note 1) 150A (cable 50sq, 1/0 AWG) (Note 1)		
Overvoltage Category	II	III	
Contamination Level	3		
Creepage Distance (Note 2)	12.6mm Min.	12.6mm Min.	16mm Min.
Clearance (Note 2)	6mm Min.	6mm Min.	8mm Min.
Insulation System	Basic insulation (Panel should be grounded)		
Recommended Panel for PS3-2UP Side	Recommended Panel 1	Recommended Panel 1	Recommended Panel 2 (Note 3)
Recommended Panel for PS3-2US Side	Recommended Panel 3		

Note 1 : Use the screw and crimp contact combination recommended below. The use of other screws and crimp contacts can affect clearance and creepage distance.

If you choose to use a different screw/contact combination, be sure to check the measurements for clearance and creepage. Make sure that these conditions will meet the UL, C-UL and TÜV.

- Recommended screw: JIS B 1188 spring lock washer + cross recessed head screw with captive flat washer M6 × 12
- Recommended crimp contacts
 - Cable 14sq: JIS C 2805 R14-6
 - Cable 22sq: JIS C 2805 R22-6
 - Cable 38sq: NICHIFU R38-6S
 - Cable 50sq: NICHIFU R60-6S

Note 2 : Subjects of clearance and creepage distance are as follows.

- Between crimp contacts
- Between power contact and panel
- Between crimp contact and panel
- Between screw (attached to power contact) and panel

Note 3 : In case of recommended panel 2, reverse attachment of receptacle is possible. Please be careful in panel attachment.

PS3F Series

High Current Rack and Panel Connector



High-Current



Floating



Finger Protect



Overview

High current rack and panel connector

Contributes to operators' safety in installing while reducing installation man-hours.

Front access is best suited to the systems with no space at the back side.

Supports IP2X finger protection.

Harness operation is possible with multi-purpose tools.

Features

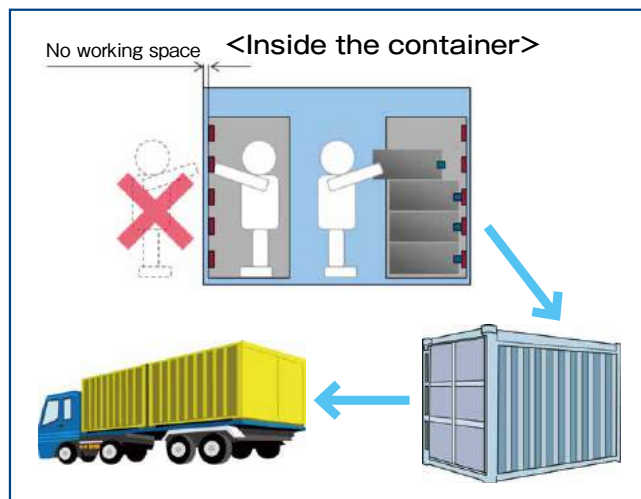
1. Supports High Current

Power contact supports rated current up to 100A.

(Derating curve, ambient temp 25°C : 125A)

2. Front access is best suited to the systems without space at the back side

Front access on system rack side allows maintenance from mating side (front side of the component), and is best suited for installing components in places without space at the back side.



3. Floating Amount : $\pm 2.5\text{mm}$

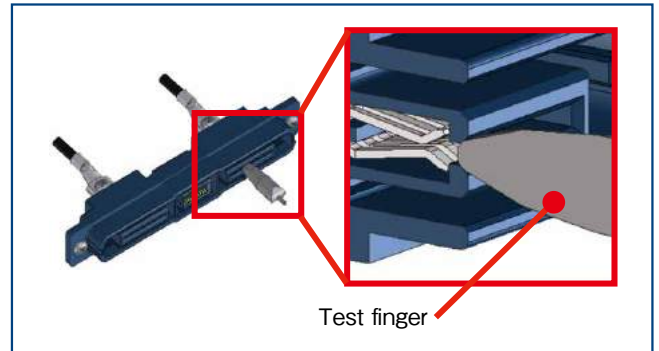
Floating design of the receptacle requires a rotation of $\pm 2.5\text{mm}$ by the floating screws in X and Y directions.

4. The signal section uses the Hirose GT8E connector.

The signal line uses the connector with proven records in automobile markets (GT8E).

5. Supports IP2X finger protection

Finger protection of the plug provides safety operation for field operators when it is used on the battery side.



6. UL, C-UL and TÜV Certified

Both the plug and the receptacle meet safety standards (UL, C-UL and TÜV standards).

7. Harness operation is possible with multi-purpose tools

Harness operations includes screwing the plug with a torque wrench etc. and crimping of the receptacle. All of these operations can be carried out with multi-purpose tools. (Torque wrench : JIS B 4652, crimp : JIS C 9711)

Application

Power supply devices such as batteries and UPS etc.

Product Specifications

Rated Current (Note1)	Power	Power (Derating Curve at Ambient Temperature of 25°C)	Signal	Operating Temperature	-40 to +105°C
	100A	125A	1A	Storage Temperature Range	-40 to +60°C
Rated Voltage (Note1)	Power	Signal			
	1000V AC	250V AC			

Applicable Cable	Power : 22sq (WL1,WL2)(Note1), 3 AWG Signal : 20 to 22AWG
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Note 1 : UL, C-UL and TÜV certifications have been certified while changing conditions such as rated current and voltage multiple times.
For details, see the "Conditions on Safety Standards (UL, C-UL, TÜV)"

Materials / Finish

● Receptacle

Parts	Materials	Color/Finish	Remarks
Insulator	PBT	Black	UL94V-0
Power Male Contact	Copper Alloy	Silver Plating	-
Signal Male Contact	Copper Alloy	Contacting Part : Gold Plating GT8E section : Tin Plating	-
Case A	PBT	Black	UL94V-0
Case B	PBT	Black	UL94V-0
Floating Screw	Steel	Nickel Plating	-

● Plug

Parts	Materials	Color/Finish	Remarks
Insulator	PBT	Black	UL94V-0
Power Female Contact	Copper Alloy	Silver Plating	-
Signal Female Contact	Copper Alloy	Contacting Part : Gold Plating GT8E section : Tin Plating	-
Contact Retention Plate C	PBT	Black	UL94V-0

Product Number Structure

Refer to the chart below when determining the product specifications from the product number.
Please select from the product numbers listed in this catalog when placing orders.

Connector

PS3F - 2 R S / 12 S / 12 S
① ② ③ ④ ⑤ ④ ⑤ ④

Power Male Contact

PS3F - R P C (22)
① ③ ④ ⑥ ⑦

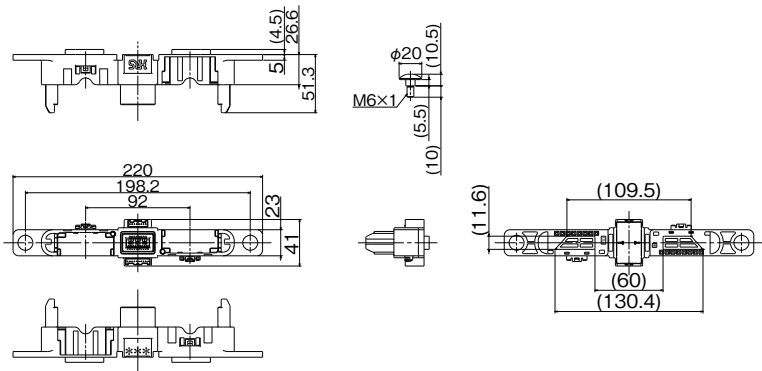
Power Male Contact Cover

PS3F - P C - HOLDER
① ④ ⑥ ⑧

① Series Name	PS3F	⑤ No. of Signal Contacts	
② No. of Power Contacts		⑥ Power Contact Shapes	C : Crimp Contacts
③ Current Capacity of Power Contact	R : 100A	⑦ Applicable Wire	22sq
④ Contact Gender	P : Male Contact S : Female Contact	⑧ Shape of Case	HOLDER : Mating Case

Receptacle

● Main Receptacle Body : PS3F-2R/8P/10P

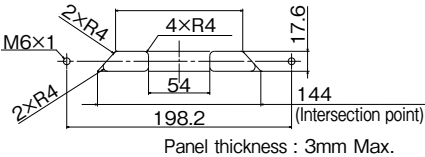


Part No.	HRS No.	Purchase Unit
PS3F-2R/8P/10P(10)	CL0236-1056-7-10	32pcs per box
PS3F-2R/8P/10P(11)	CL0236-1056-7-11	1pc per bag

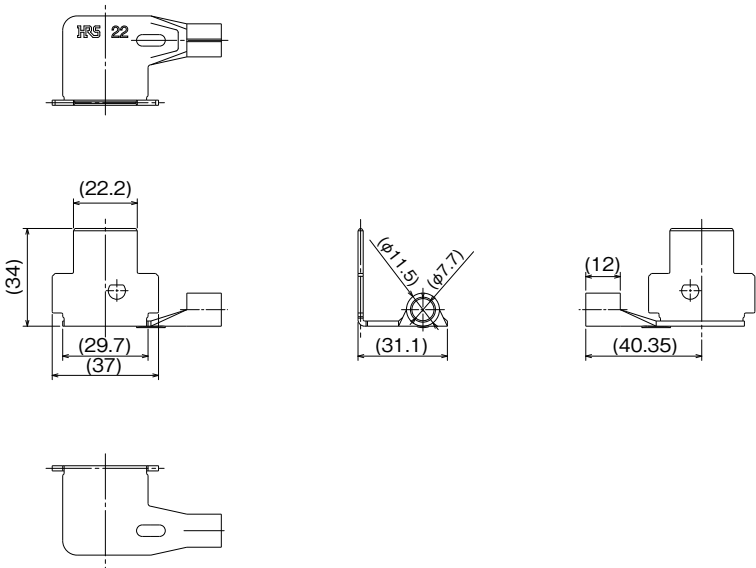
Specified Dimension Between Panels



Panel Cut-Out Dimensions

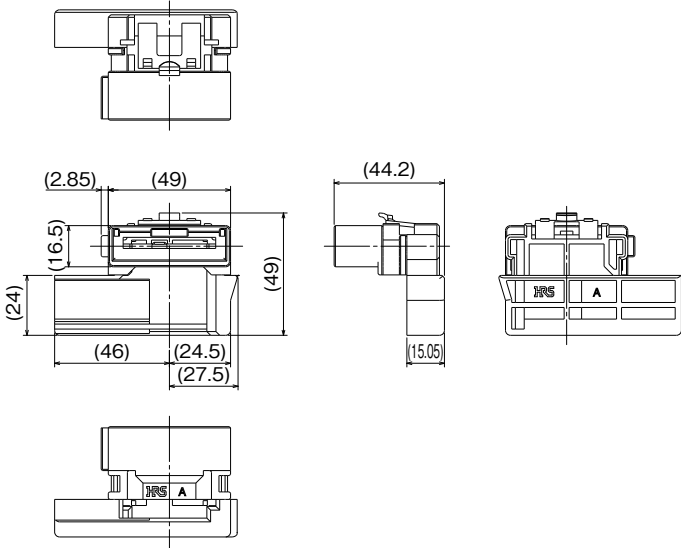


● Power Male Contact for Receptacles : PS3F-RPC(22)



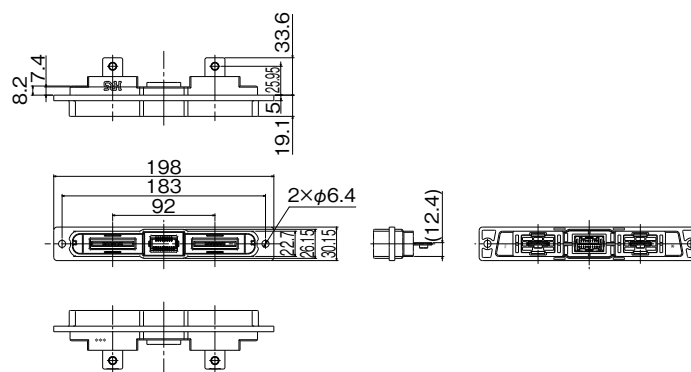
Part No.	HRS No.	Purchase Unit
PS3F-RPC(22)	CL0236-1057-0-00	64pcs per box
PS3F-RPC(22)(01)	CL0236-1057-0-01	1pc per bag

● Power Male Contact Cover : PS3F-PC-HOLDER

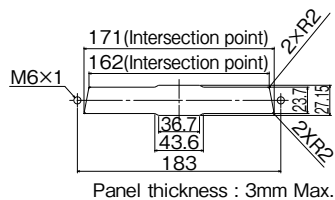


Part No.	HRS No.	Purchase Unit
PS3F-PC-HOLDER(10)	CL0236-1058-2-10	64pcs per bag
PS3F-PC-HOLDER(11)	CL0236-1058-2-11	1pc per bag

- PS3F-2RS/8S/10S



■ Specified Dimension Between Panels



Precautions

- M6 screws are used to attach to the panels. The recommended amount of torque used to tighten the screws should be 2.5 to 5.2 N·m.
- The recommended fastening torque of the screw attached to the power supply female contact on the plug side is 2.5 to 5.2 N·m.
Please use multi-purpose tools including torque wrench etc. (JIS B 4652) for screw-fastening.
In addition, please use multi-purpose tools (JIS C 9711) for crimping the power male contact on the receptacle side.
- Power contacts are silver plated and may react with the sulfide in the atmosphere.
This might cause the color to change to a dark brown.
- The power contacts do not support hot swap, so it cannot be used to shut off the power.

Safety Standards Certifications (UL, C-UL, TÜV)

The PS3F series has received safety certifications from the UL, C-UL, and TÜV under the conditions provided in Table 1 and Table 2.

Conditions for safety standards vary depending on submitted applications of current and voltage ratings. See Table 1 and Table 2.

● Table 1. Conditions for UL and C-UL

Rated Voltage (AC/DC)	Power : 600V Signal : 50V
Rated Current	Power : 100A Signal : 1A
Cable	Power : 22sq (Note 1), 3 AWG Signal : 22 AWG
Creepage Distance (Note 2)	3.2mm Min.
Clearance (Note 2)	3.2mm Min.

● Table 2. Conditions for TÜV

Rated Voltage (AC/DC)	Power : 1000V Signal : 50V
Rated Current	Power : 100A Signal : 1A
Cable	Power : 22sq (Note 1), 3 AWG Signal : 22 AWG
Overvoltage Category	III
Contamination Level	3
Creepage Distance (Note 2)	16mm Min.
Clearance (Note 2)	8mm Min.
Insulation System	Basic insulation (Panel should be grounded)

Note 1 : Use the screw and crimp contact combination recommended below.

The use of other screws and crimp contacts can affect clearance and creepage distance.

If you choose to use a different screw/contact combination, be sure to check the measurements for clearance and creepage.

Make sure that these conditions will meet the UL, C-UL and TÜV.

• Recommended screw: JIS B 1188 spring lock washer + cross recessed head screw with captive flat washer M6 × 12

• Recommended crimp contacts

22sq Cable : JIS C 2805 R22-6

Note 2 : Subjects of clearance and creepage distance are as follows.

- Between crimp contacts
- Between power contact and panel
- Between crimp contact and panel
- Between screw (attached to power contact) and panel

High Current Connector

PS2 Series



■ Features

1. Power/Signal Hybrid Connector

The Hybrid design saves space by combining power

and signal contacts together in one unit with dedicated power contacts to handle 100, 200 or 300 Amps.

2. Floating Structure

The structure allows up to ± 2.5 mm of float in the X and Y directions, which makes mating easier even when the mating position is not clearly visible.

3. Sequential Contact System

This series utilizes sequential contacts, the power contacts mate before the signal contacts. This prevents incomplete mating and also prevents hot swapping.

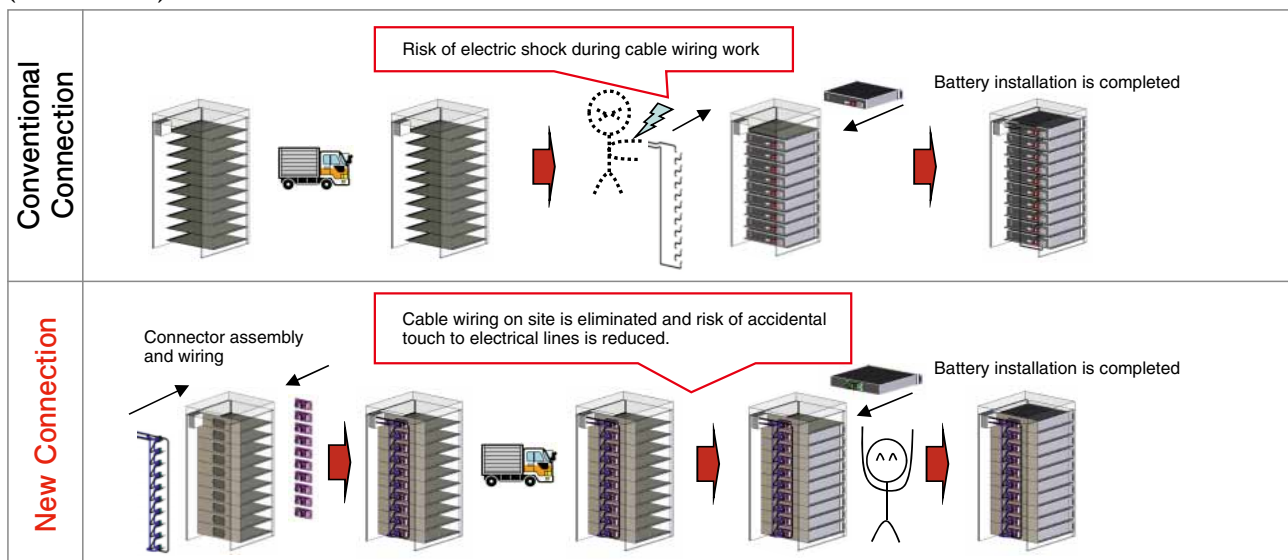
4. Finger Protection Structure

For added safety, the plug side (battery side) is designed to prevent shock hazard and provides for more user safety and security.

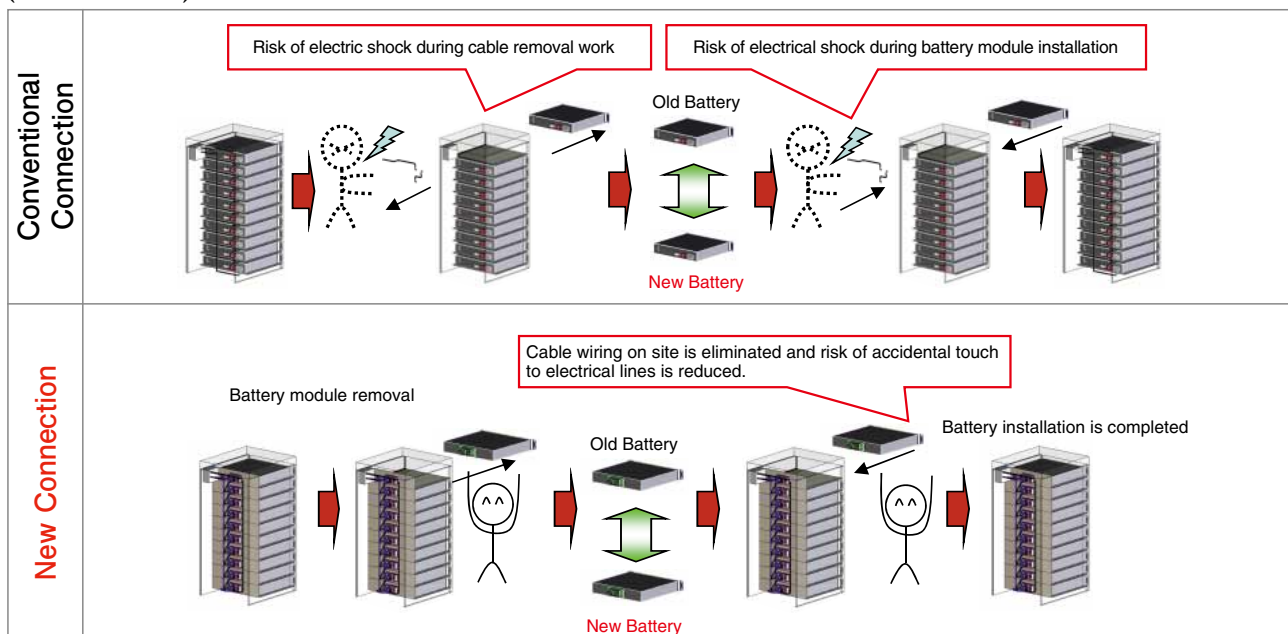
5. Plug-in Design

Its unique plug-in design provides enhanced safety features, reduced production costs related to its installation and the maintenance of high current units.

(Installation)



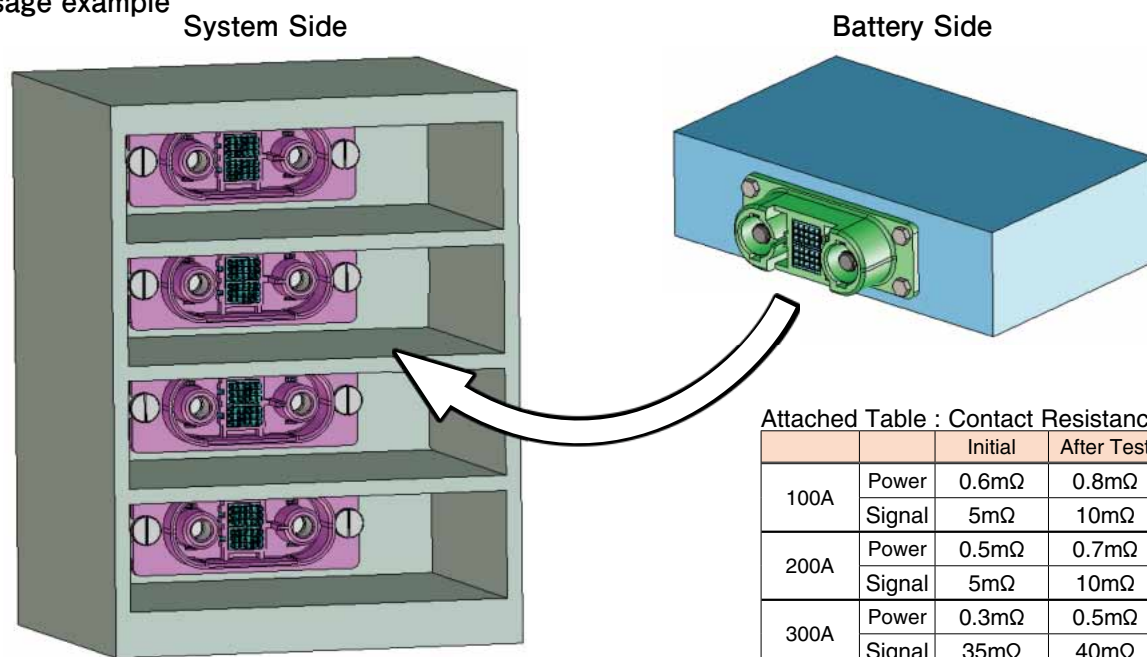
(Maintenance)



■ Applications

● Storage Battery, UPS

Usage example



Attached Table : Contact Resistance

		Initial	After Test
100A	Power	0.6mΩ	0.8mΩ
	Signal	5mΩ	10mΩ
200A	Power	0.5mΩ	0.7mΩ
	Signal	5mΩ	10mΩ
300A	Power	0.3mΩ	0.5mΩ
	Signal	35mΩ	40mΩ

■ Product Specifications

Ratings	—	Power Part	Derating curve, ambient temp 25℃	Applicable cables	Signal Part	Operating Temp. Range
	Current	300A	—	150sq, 300MCM	5A	-40~105℃
		200A	330A	180sq, AWG#3/0		Storage Temp. Range
		100A	175A	38sq, AWG#2		-55~60℃
	Voltage	1,000V			100V	

Item	Specifications	Conditions
1. Contact resistance	Attached table	Measured at DC 1 A Measured at DC 100 mA
2. Insulation resistance	5,000 MΩ or more	Measured at DC 250 V
3. Withstand voltage	No flashover or breakdown	Power: Apply AC 2,000 V for one minute Signal: Apply AC 1,000 V for one minute
4. Durability	Attached table	50 mating cycles
5. Shock resistance	No electrical discontinuity of 10 μs or more	Acceleration 490 m/s ² , duration 11 ms, half-sine wave, 3 times each for each of the 3 axes.
6. Vibration resistance	No electrical discontinuity of 10 μs or more	10 cycles in each of 3 axial directions at frequency 10-55 Hz, half amplitude 0.75 mm
7. Temperature cycles	Attached table Minimum of 1,000 MΩ	Temperature: -40 → 105℃ Time: 30 → 30 min
8. Salt water spray	No significant corrosion	5% salt water spray concentration while keeping samples at 35℃ for 48 hours.

■ Materials / Finish

● Receptacle

Parts	Materials	Color/Finish	Remarks
Insulation case	Synthetic resin	Black	UL94V-0
Power contact	Brass/Copper alloy	Silver plated	—
Contact spring	Copper alloy	Silver plated	—
Rotation stopper	Synthetic resin	Black	UL94V-0
Crimp case	Synthetic resin	Black	UL94V-0
Signal contact	Copper alloy	Gold plated	—
Floating screw	Stainless steel/Steel	—/Trivalent chrome	—

● Plug

Parts	Materials	Color/Finish	Remarks
Insulation case	Synthetic resin	Black	UL94V-0
Power contact	Brass/Copper alloy	Silver plated	—
Rotation stopper	Synthetic resin	Black	UL94V-0
Cap	Synthetic resin	Black	UL94V-0
Crimp case	Synthetic resin	Black	UL94V-0
Signal contact	Copper alloy	Gold plated	—

Product Number Structure

Refer to the chart below when determining the product specifications from the product number.

Please select from the product numbers listed in this catalog when placing orders.

Connector

PS2 – 2 W P / 6C / 6C

1 2 3 4 5 6

Crimp Case

PS2 – 6 PC

1 7 8

Crimp Contact

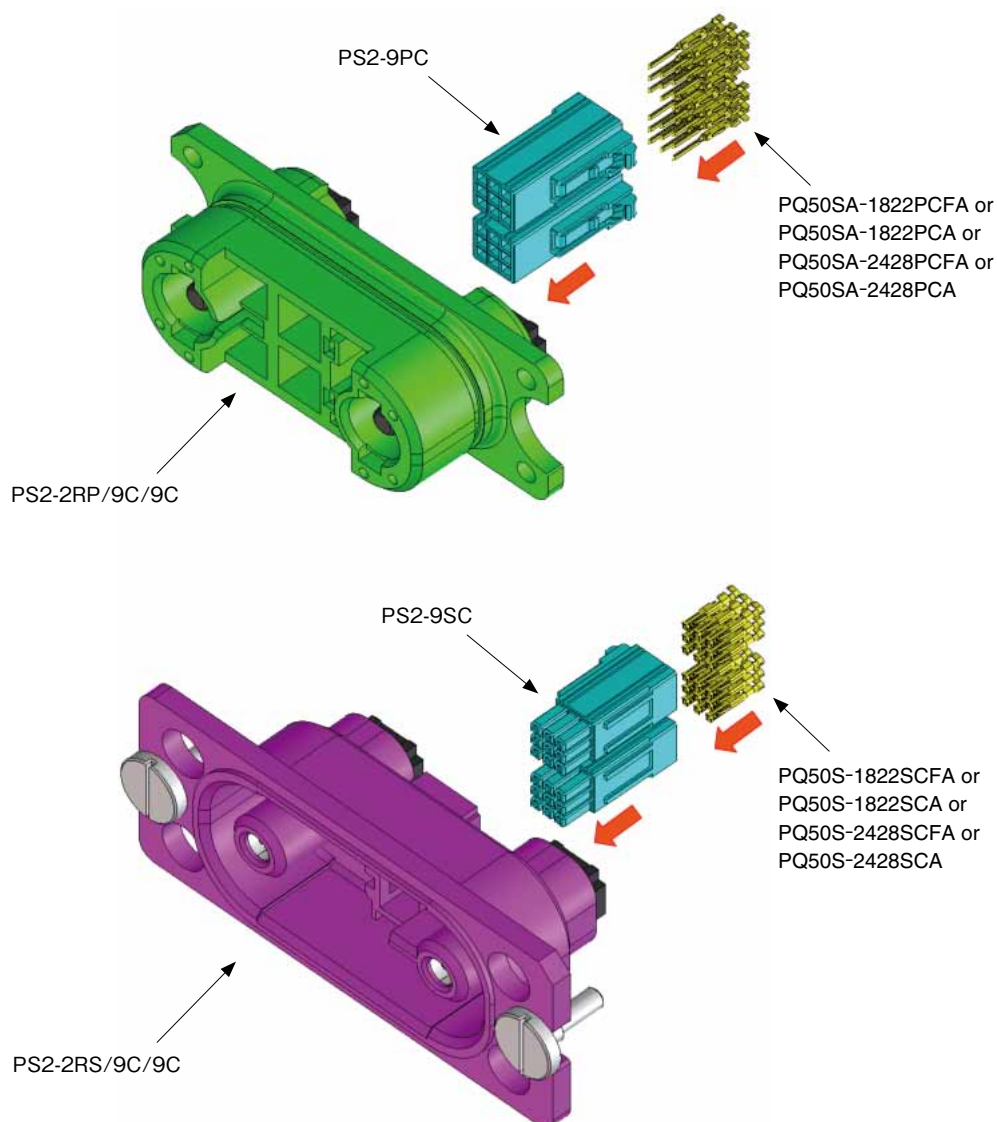
PS2 – 1618 P C F A

1 9 4 10 11 12

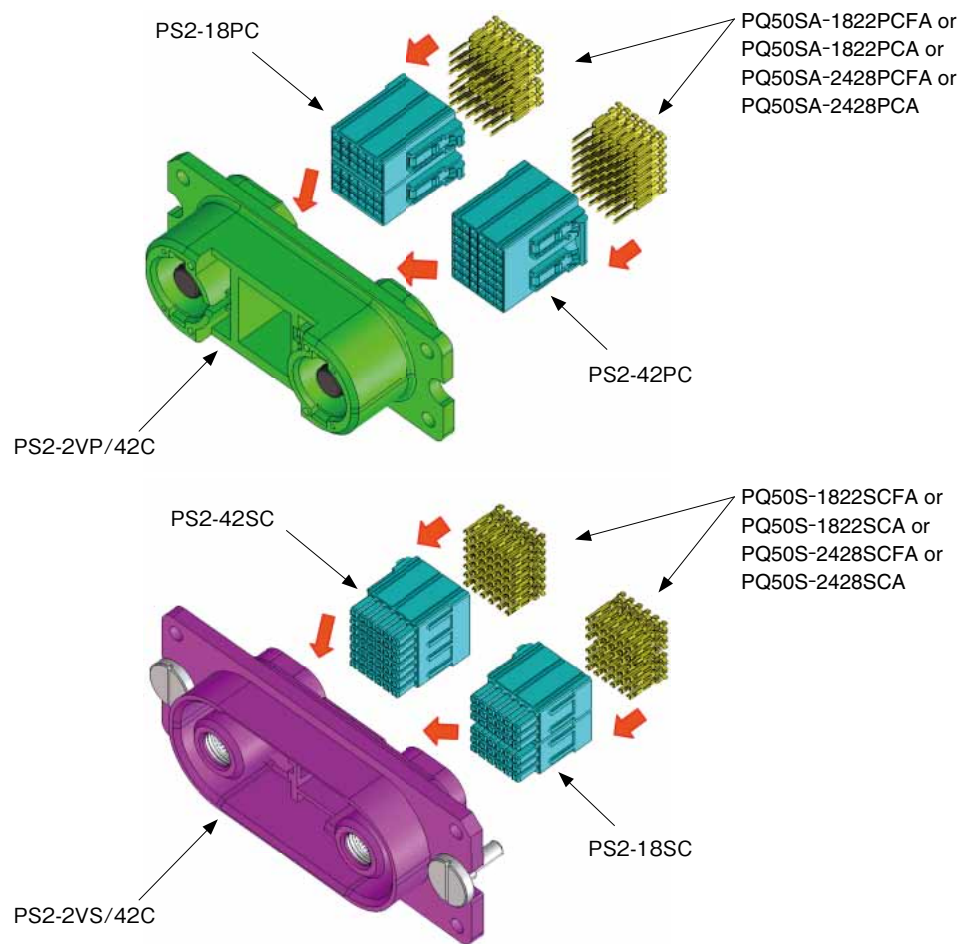
1	Series name
2	No. of power contacts
3	R : 100A V : 200A W : 300A
4	P : Male S : Female
5	Signal contact block 1
6	Signal contact block 2
7	No. of signal contacts
8	PC : Male crimp case SC : Female crimp case
9	Applicable wires of signal contact 16-18 AWG
10	Crimp contact
11	F : Reel contacts None: Loose piece contacts
12	Gold plating

Functional Diagram

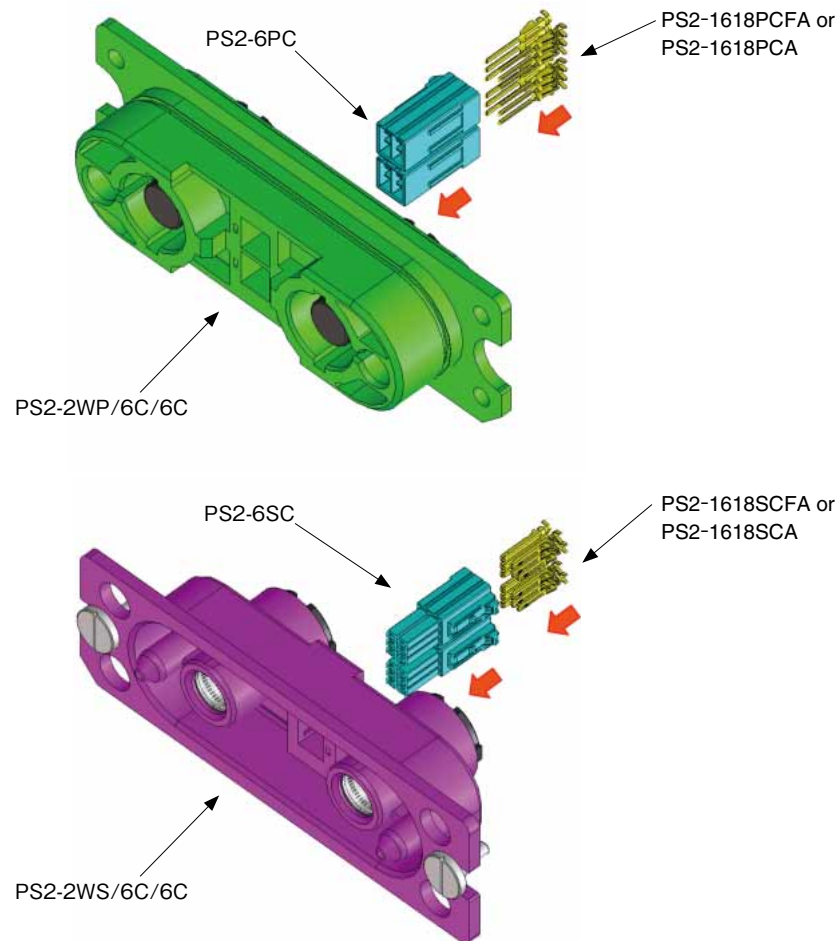
100A type



●200A type



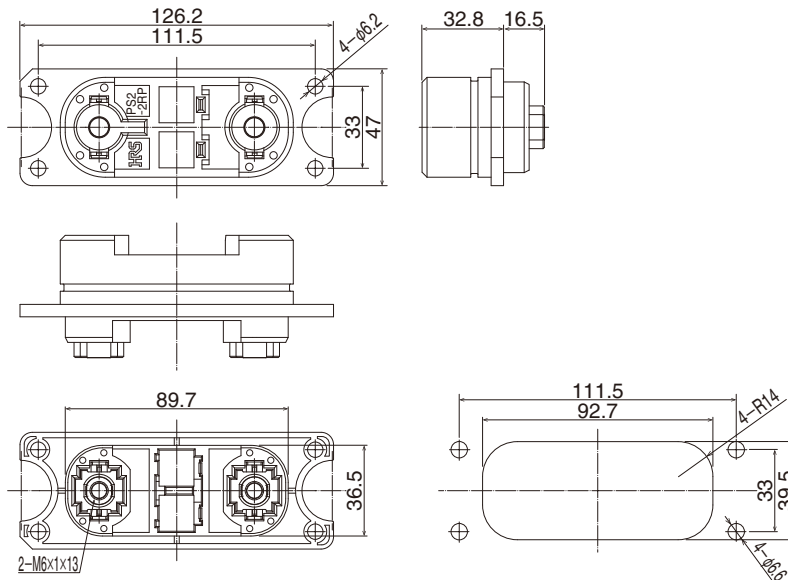
●300A type



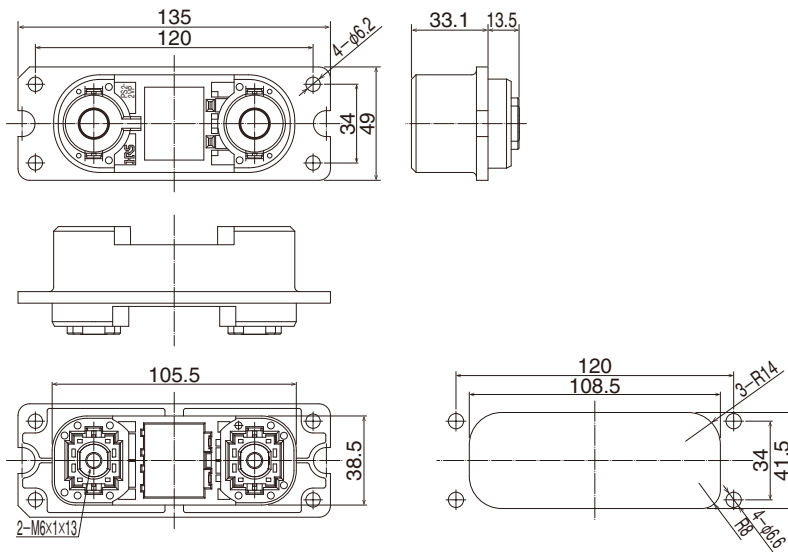
■ Plug

Current	Part No.	HRS No.	Sales Unit	RoHS
100A	PS2-2RP/9C/9C	236-1036-0 00	Each	<input type="radio"/>
200A	PS2-2VP/42C	236-1060-4 00		<input type="radio"/>
300A	PS2-2WP/6C/6C	236-1032-9 00		<input type="radio"/>

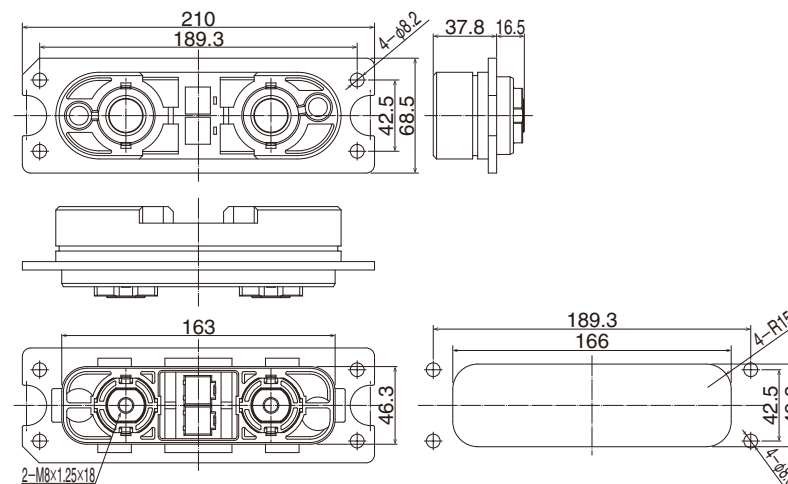
◇ 100A



◇ 200A



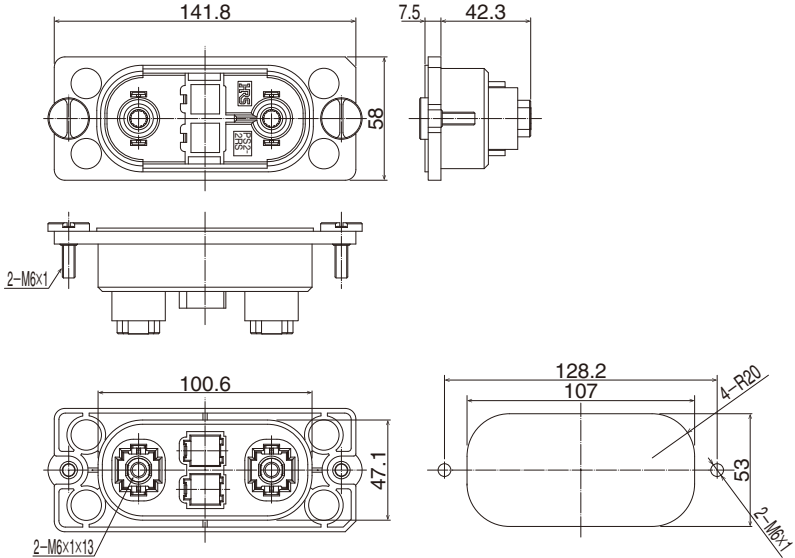
◇ 300A



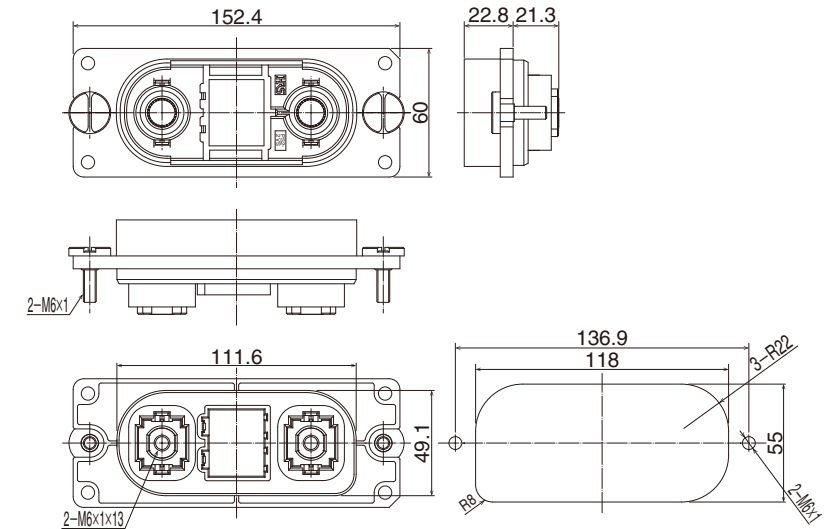
■Receptacle

Current	Part No.	HRS No.	Sales Unit	RoHS
100A	PS2-2RS/9C/9C	236-1037-2 00	Each	<input type="radio"/>
200A	PS2-2VS/42C	236-1046-3 00		<input type="radio"/>
300A	PS2-2WS/6C/6C	236-1033-1 00		<input type="radio"/>

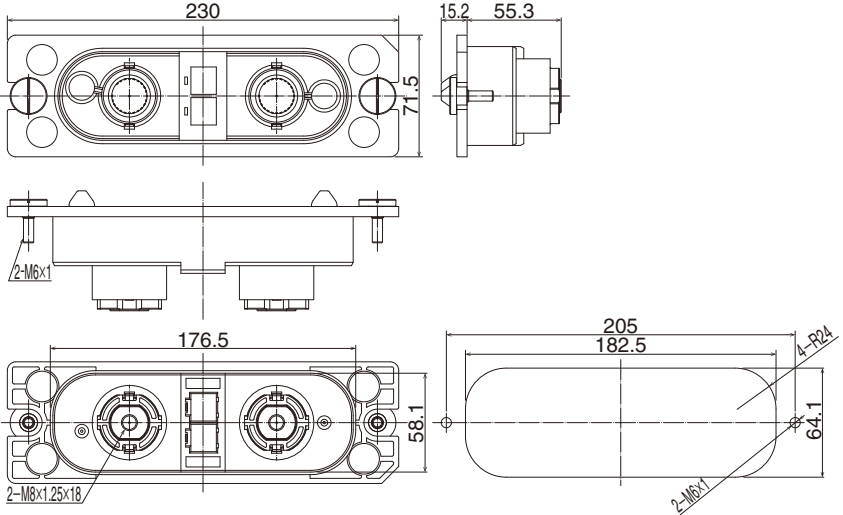
◇100A



◇200A



◇300A



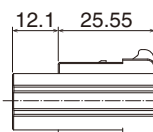
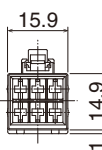
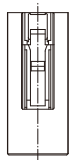
■Crimp Contact Housing

Part No.	HRS No.	Sales Unit	RoHS
PS2-6PC	236-1034-4 00	100 pieces	○
PS2-6SC	236-1035-7 00		○
PS2-9PC	236-1038-5 00		○
PS2-9SC	236-1039-8 00		○

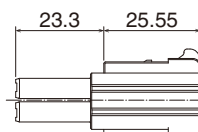
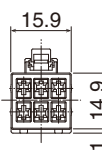
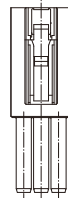
Part No.	HRS No.	Sales Unit	RoHS
PS2-18PC	236-1049-1 00	50 pieces	○
PS2-18SC	236-1050-0 00		○
PS2-42PC	236-1047-6 00		○
PS2-42SC	236-1048-9 00		○



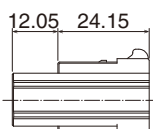
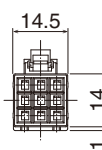
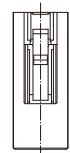
●PS2-6PC



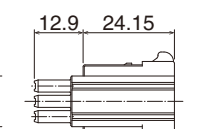
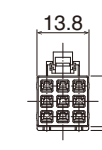
●PS2-6SC



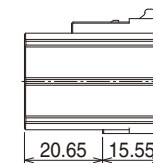
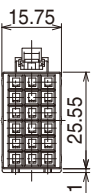
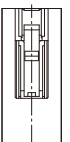
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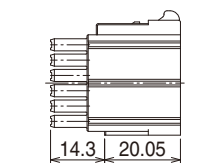
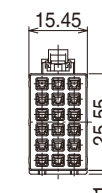
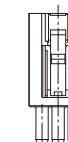
●PS2-9SC



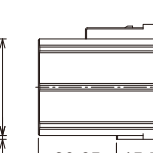
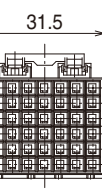
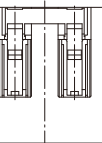
●PS2-18PC



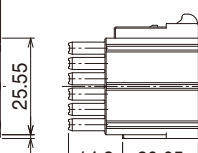
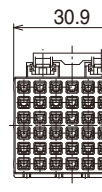
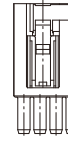
●PS2-18SC



●PS2-42PC



●PS2-42SC

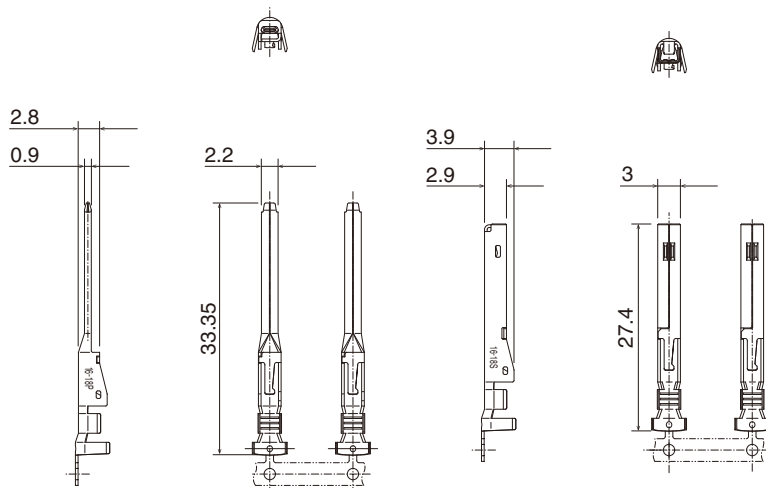


◆ Crimp Contact

Parts No.	HRS No.	Packaging	RoHS
PS2-1618PCFA	236-1028-1 00	3,500pcs/reel	○
PS2-1618PCA	236-1051-3 00	100pcs/pack	
PS2-1618SCFA	236-1029-4 00	3,500pcs/reel	
PS2-1618SCA	236-1052-6 00	100pcs/pack	
PQ50SA-1822PCFA	236-2029-0 00	6,000pcs/reel	
PQ50SA-1822PCA	236-2048-4 00	100pcs/pack	
PQ50SA-2428PCFA	236-2030-9 00	6,000pcs/reel	
PQ50SA-2428PCA	236-2049-7 00	100pcs/pack	
PQ50S-1822SCFA	236-2026-1 00	6,000pcs/reel	
PQ50S-1822SCA	236-2050-6 00	100pcs/pack	
PQ50S-2428SCFA	236-2028-7 00	6,000pcs/reel	
PQ50S-2428SCA	236-2051-9 00	100pcs/pack	

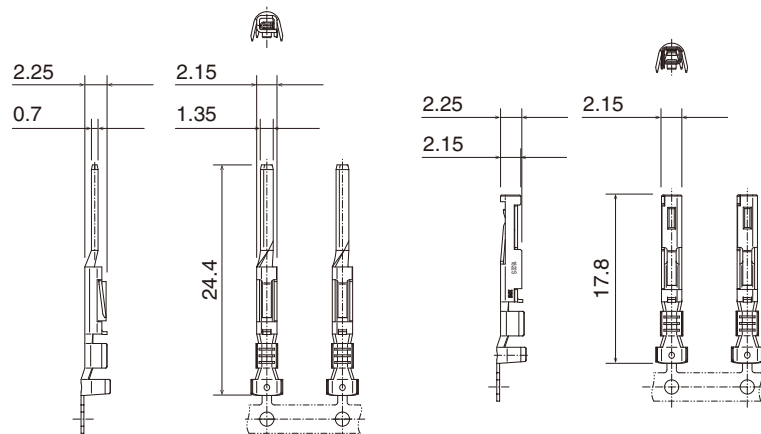
● PS2-1618PCFA

● PS2-1618SCFA



● PQ50SA-1822PCFA PQ50SA-2428PCFA

● PQ50S-1822SCFA PQ50S-2428SCFA



◆ Manual Crimp Tools

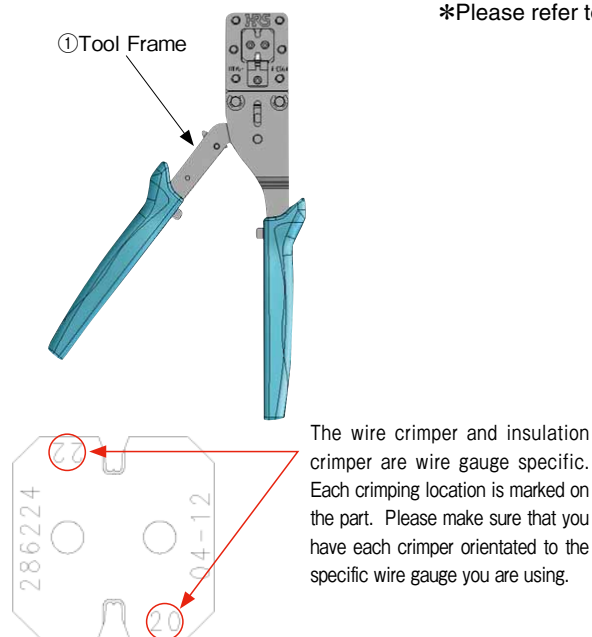
Target product	① Tool Frame Upper row : Part No. / Lower row : HRS No.	※ Die set		Applicable contacts	Applicable cables
		Part No.	HRS No.		
100A type 200A type	HT702 250-1001-1	PQ50S-1820(1007)	250-1010-2	PQ50S-1822SCA	18 AWG
		PQ50S-2022(1007)	250-1011-5		20 AWG
					22 AWG
		PQ50SA-1820(1007)	250-1012-8	PQ50SA-1822PCA	18 AWG
		PQ50SA-2022(1007)	250-1013-0		20 AWG
					22 AWG
		PQ50S-2428(1007)	250-1029-0	PQ50S-2428SCA	24 AWG
					26 AWG
300A type					28 AWG
		PQ50SA-2428(1007)	250-1030-0	PQ50SA-2428PCA	24 AWG
					26 AWG
					28 AWG
		PS2-1618(3385)	250-1014-3	PS2-1618PCA PS2-1618SCA	18 AWG

Manual Crimp Tools

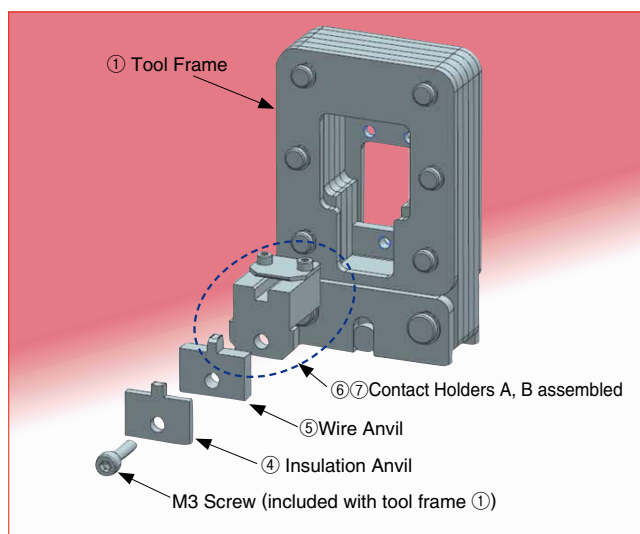
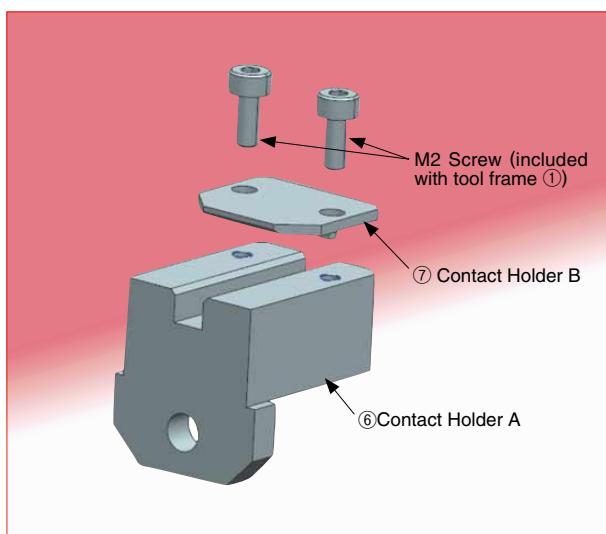
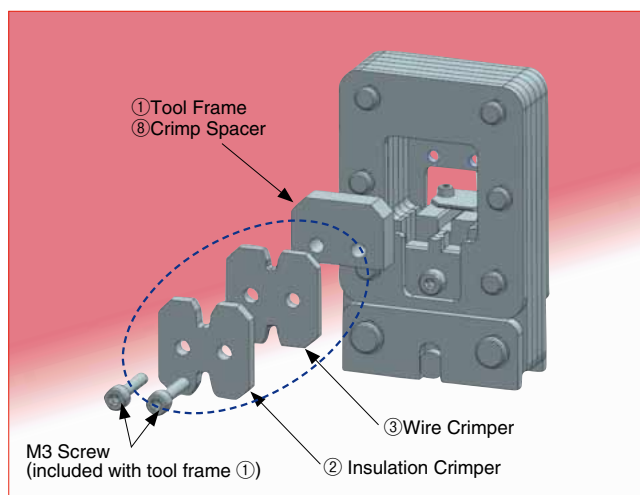
The Hirose hand tool for the PS2 series features replaceable die sets and parts. This allows you the ability to use one Hirose tool body and switch between the two Hirose die sets to crimp either of the PS2 terminals.

Due to wear, neglect or loss, replacement parts are also available for the Hirose die sets. Please see the chart at the bottom of page seven for these part numbers. Please be careful to select the correct replacement part based on the terminal and wire size you are trying to crimp. If you have any concern on the correct part to purchase, a Hirose sales representative will be glad to assist in selecting the correct part.

*Please refer to the bottom of page 8 and 9 for product numbers and descriptions.



Part No.	HRS No.
HT702	250-1001-1 00



Automatic Crimper

Please call us.

Target product	Upper row : Part No. / Lower row : HRS No.							
	② IC Insulation Crimper	③ WC (Wire Crimper)	④ IA (Insulation Anvil)	⑤ WA (Wire Anvil)	⑥ Contact Holder A	⑥ Contact Holder B	⑦ Contact Holder C	⑧ Crimper Spacer
100A type 200A type	286219 [250-1010-2(61)]	286223 [250-1010-2(62)]	286225 [250-1010-2(63)]	286226 [250-1010-2(64)]	286233 [250-1010-2(65)]	286234 [250-1010-2(66)]		285996 [250-1010-2(67)]
	286220 [250-1011-5(61)]	286224 [250-1011-5(62)]	286225 [250-1011-5(63)]	286226 [250-1011-5(64)]	286233 [250-1011-5(65)]	286234 [250-1011-5(66)]		285996 [250-1011-5(67)]
	286219 [250-1012-8(61)]	286223 [250-1012-8(62)]	286225 [250-1012-8(63)]	286226 [250-1012-8(64)]	286233 [250-1012-8(65)]		286235 [250-1012-8(66)]	285996 [250-1012-8(67)]
	286220 [250-1013-0(61)]	286224 [250-1013-0(62)]	286225 [250-1013-0(63)]	286226 [250-1013-0(64)]	286233 [250-1013-0(65)]		286235 [250-1013-0(66)]	285996 [250-1013-0(67)]
	286876 [250-1029-0(61)]	286877 [250-1029-0(62)]	286231 [250-1029-0(63)]	286232 [250-1029-0(64)]	286233 [250-1029-0(65)]	286234 [250-1029-0(66)]		285996 [250-1029-0(67)]
	286876 [250-1030-0(61)]	286877 [250-1030-0(62)]	286231 [250-1030-0(63)]	286232 [250-1030-0(64)]	286233 [250-1030-0(65)]		286235 [250-1030-0(66)]	285996 [250-1030-0(67)]
300A type	286256 [250-1014-3(61)]	285991 [250-1014-3(62)]	285992 [250-1014-3(63)]	285993 [250-1014-3(64)]	286257 [250-1014-3(65)]	286258 [250-1014-3(66)]		285996 [250-1014-3(67)]

◆ Safety Standards Certifications (UL, C-UL, TÜV)

The PS3C, PS3CS series has received safety certifications from the UL, C-UL, and TÜV under the conditions provided in Table 1 and Table 2.

Table 1. Conditions for UL and C-UL

	100A Type Condition	200A Type Condition
Rated Voltage (AC/DC)	600V	
Rated Current	100A	200A
Cable	38sq, 2 AWG (Note 1)	80sq, 2/0 AWG (Note 1)
Creepage Distance (Note 2)	MIN : 3.2mm	
Clearance (Note 2)	MIN : 3.2mm	

Table 2. Conditions for TÜV

	100A Type Condition	200A Type Condition
Rated Voltage (AC/DC)	1000V	
Rated Current	100A	200A
Cable	38sq, 2 AWG	80sq, 2/0 AWG
Overvoltage Category	III	
Contamination Level	3	
Creepage Distance (Note 2)	MIN : 16mm	
Clearance (Note 2)	MIN : 8mm	
Insulation System	Basic insulation (Panel should be grounded)	

Note 1 : Use the crimp contact combination recommended below. The use of other crimp contacts can affect clearance and creepage distance.

If you choose to use a different contact combination, be sure to check the measurements for clearance and creepage. Make sure that these conditions will meet the UL, C-UL and TÜV.

- Recommended crimp contacts
Cable 38sq : NICHIFU R38-6
Cable 80sq : NICHIFU R80-8

Note 2 : Subjects of clearance and creepage distance are as follows.

- Between the power contacts.
- Between the signal contacts.
- Between power contact and signal contact.
- Between power contact and panel.
- Between signal contact and panel.

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

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Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

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Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

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