

HR41 Series

Waterproof Connectors with Plastic Shell for Outdoor Use



Harsh Environment



Waterproof



Bayonet



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

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
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

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

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

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Features

1. Waterproof Connector with Excellent Weather Resistance for Outdoor Use

With a highly durable and weather resistant plastic shell, HR41 is a lightweight connector ideal for outdoor use.

2. Waterproof Performance

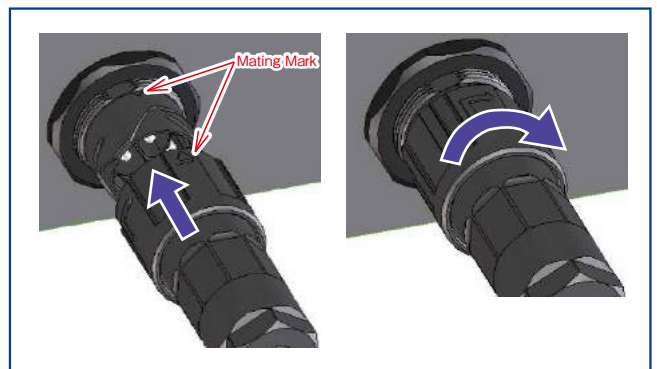
IP67, IP68 when mated.

IP67 : Left for 30 min. at a water depth of 1m.

IP68 : Left for 14 days at a water depth of 2m.

3. Easy to Operate Bayonet Lock

Bayonet lock that completes locking in a single action for easy installment even in dimly lit areas.



Bayonet Lock

4. Supports Field Assembly

The simple crimp connection and easy assembly design are ideal for on-site assembly.

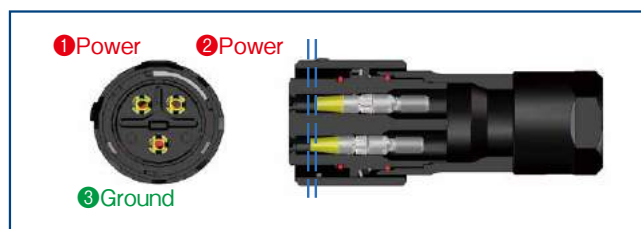
5. Compatible with Commercial Tools

Crimp contacts can be terminated using JIS C 9711 crimp tools.

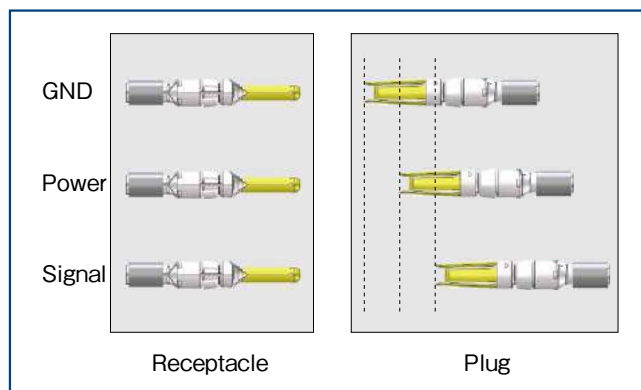
6. Sequence Design

3pos. : 2 Stage Sequential Mating

5pos. : 3 Stage Sequential Mating



Ground Comes into Contact First (3pos.)



Sequential Mating Design

7. Designed to Accommodate Hot Swapping (5pos. Plug)

Hot Swapping Conditions: 20A AC/300V AC (50 mating cycles)

Test method conforms to UL1977 standards.

8. Surge Resistance

Walls between adjacent contacts provide insulation against 15kV surges caused by lightning.

9. Gold-plated Contact Portion

The interface of the contact is gold plated for high contact reliability.

10. Safety Standard Certified

UL and TÜV certified.

Product Specifications

Rated Current (Note 1)	3pos.: 38A (Ambient Temperature 25°C)	Operating Temperature (Note 2)	-40 to +105°C
	5pos.: 20A (When using 4pos. with Ground Removed)	Storage Temperature Range	-10 to +60°C
Rated Voltage	1000V AC/DC		

UL,TÜV	Rated Current (Note 1)	3pos.: 20A	Operating Temperature (Note 2)	-40 to +65°C
		5pos.: 10A	Storage Temperature Range	-10 to +60°C
	Rated Voltage	600V AC/DC		

Items	Specifications	Conditions
Contact Resistance	2m Ω Max.	Measured at 1A DC
Insulation Resistance	5000M Ω Min.	Measured at 500V DC
Withstanding Voltage	No flashover or breakdown	3 pos. : Apply 4260V AC for 1 min. 5 pos. : Apply 2200V AC for 1 min.
Vibration Resistance	No electrical discontinuity of 10 μ s or more	10 cycles in 3 axial directions at a frequency of 10-500-10Hz, half amplitude 0.75mm and 11 min/cycle
Shock	No electrical discontinuity of 10 μ s or more	Acceleration 490m/s ² , duration 11ms, half-sine wave, 3 times each for 3 axial directions
Mating Durability	Contact resistance 4m Ω Max.	200 mating cycles
Temperature Cycle	Insulation resistance 5000 Ω Min.	-55°C : 30min. → Ambient Temp. : 2-3min. → +85°C : 30min. → Ambient Temp. : 2-3min., 5 cycles
Salt Spray	No functional issues	5% concentration salt water sprayed for 1,000 hours in mated connector condition.
Moisture Resistance (Steady State)	Insulation Resistance : 50M Ω (High Humidity) 500M Ω (Dry)	40°C temperature, 90 to 95% humidity for 96 hours
Water Resistance	No water intrusion inside connector	Left submerged at a depth of 2m in the mated condition for 14 days

Note 1 : Varies depending on the temperature the connector is used at.

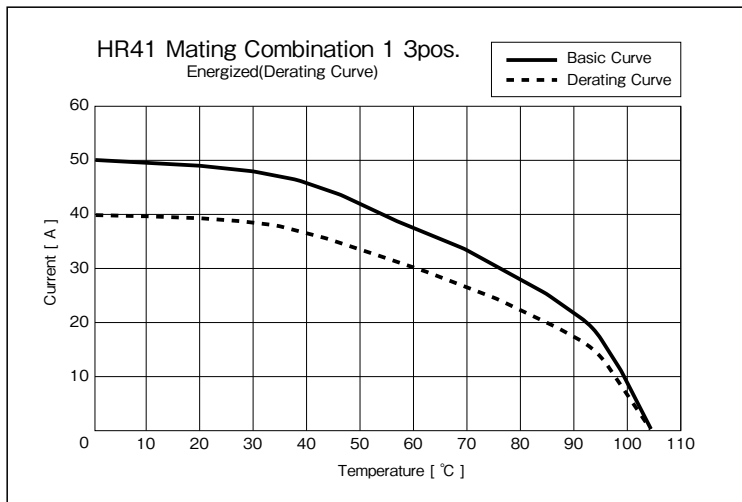
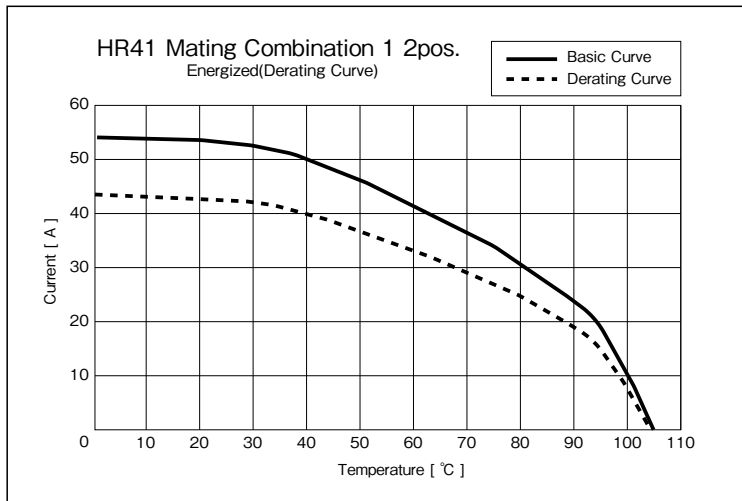
When applying the UL and TÜV standards, use within the derating curve.

Note 2 : Includes temperature rise due to current flow.

Note 3 : Depending on the cable design and specifications, cable clamping force, rotation force, waterproof performance, etc. may differ.

Please confirm before use.

[Reference] Derating Curve



Note 1 : The derating curve is derived from the basic curve multiplied by the derating factor of 0.8.

Note 2 : The measurement method of the derating curve is as follows:

- HR41, unused prior to testing.
- Conductor cross-sectional area of test cable : 5.5mm²
- Test condition : Measured after power supplied while the mated connectors are in a stationary state.

Materials/Finish

Item	Material	Finish	UL Standard (Noncombustible)
Insulator	Polyamide, PBT	-	UL94V-0
Contact	Copper Alloy	Partially Gold Plated	-
O-ring, Gasket	Silicone Rubber	-	-

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

HR41 - 25 W B P A - 3 S C (##)

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

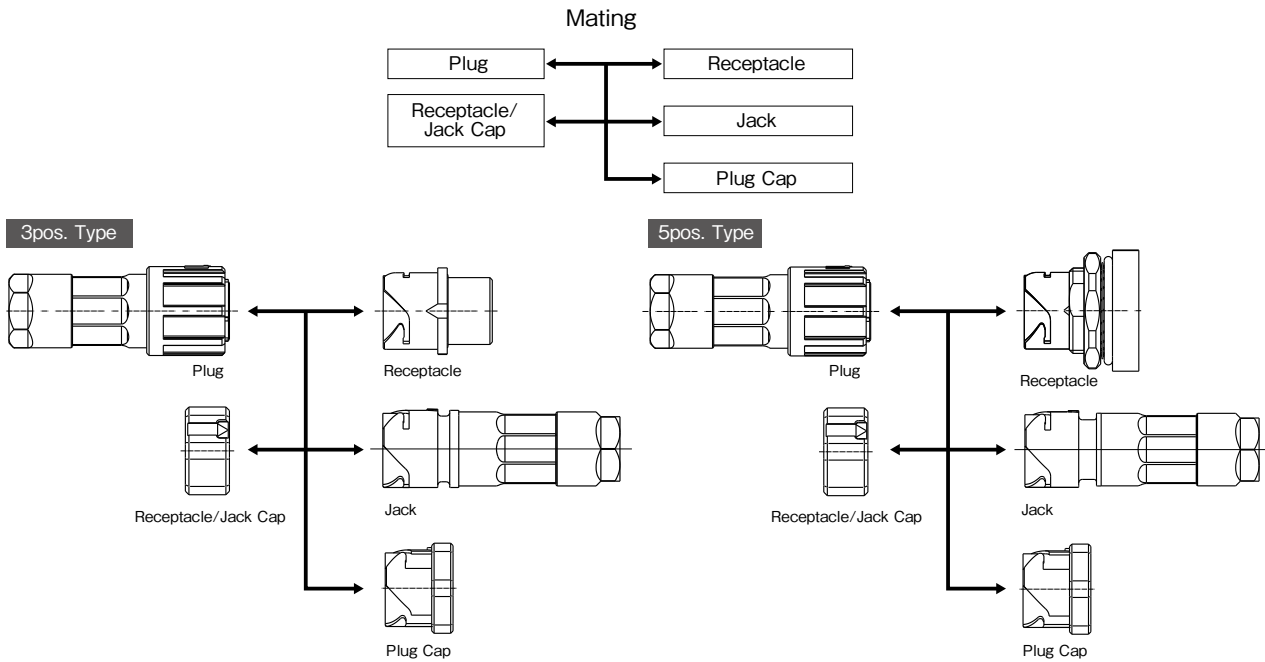
■ Crimp Contact

HR41 - S C - 1 2 1 (##)

① ⑧ ⑨ ⑪ ⑫ ⑬ ⑩

① Series Name	HR41	⑦ No. of Pos.	3, 5
② Shell Size	25	⑧ Contact Gender	S : Female Contact P : Male Contact
③ Specifications	W : Waterproof Type	⑨ Contact Assembly	C : Crimp
④ Lock Mechanism	B : Bayonet Lock	⑩	Additional specifications are identified by adding (01), (02), etc.
⑤ Shell Type P : Plug R : Receptacle J : Jack		⑪ Contact Form	1 : Loose Contacts
		⑫ Design	2 : If the design of contacts of the same size differs, 1, 2, 3 etc. are added to distinguish them
⑥ Serial Mark		⑬ Contact Area Plating	1 : Gold Plated

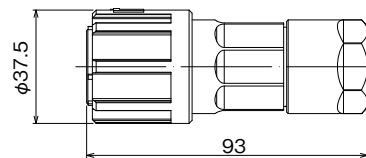
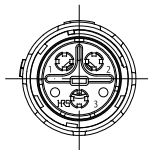
Diagram of Connector Mating Combinations



Type	Category	Connector	Crimp Contact	Cap
3pos.	Plug	HR41-25WBPD-3SC HR41-25WBPE-3SC HR41-25WBPF-3SC HR41-25WBPG-3SC	HR41-SC-111 HR41-SC-121 HR41-SC-141	HR41-25WBP-C
	Receptacle	HR41-25WBR-3PC	HR41-PC-111 HR41-PC-121	HR41-25WBR-C
	Jack	HR41-25WBJB-3PC HR41-25WBJE-3PC HR41-25WBJF-3PC		
5pos.	Plug	HR41-25WBP-5SC	HR41-SC-151	HR41-25WBP-C
	Receptacle	HR41-25WBRA-5PC	HR41-PC-151	HR41-25WBR-C
	Jack	HR41-25WBJ-5PC HR41-25WBJG-5PC		

3pos. Type

● Plug

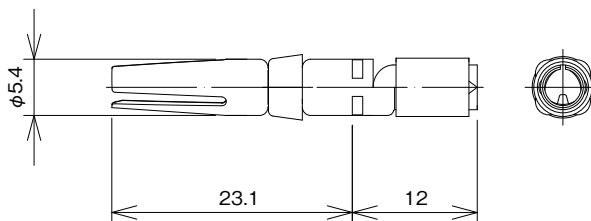


Part No.	HRS No.	No. of Pos.	Applicable Cable	Remarks	Purchase Unit
HR41-25WBPD-3SC	CL0141-0023-0-00	3	$\phi 9.0 \pm 0.6$	2 Stage Sequential Mating	10pcs per bag (Note 1)
HR41-25WBPE-3SC	CL0141-0024-2-00		$\phi 10.1 \pm 0.6$		
HR41-25WBPF-3SC	CL0141-0026-8-00		$\phi 13.5 \pm 0.7$		
HR41-25WBPB-3SC	CL0141-0036-0-00		$\phi 12.4 \pm 0.6$		

Note 1 : Orders are accepted in multiples of 10pcs.

Note 2 : Female contacts are assembled into the above product.

● Female Contact

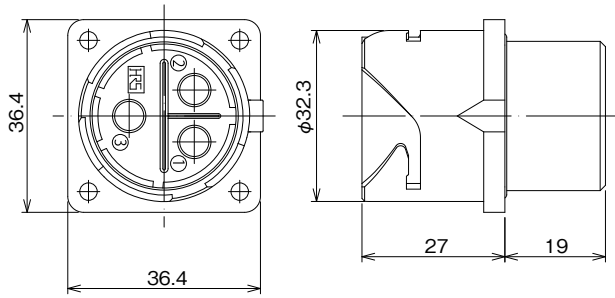


Type	Part No.	HRS No.	Plating Thickness of Contact Portion	Applicable Cable (Meets all of conditions 1, 2, and 3)	Purchase Unit
Loose Contacts	HR41-SC-111	CL0141-0001-7-00	0.2 μ m	1. Conductor Cross-section : 3.3 to 5.5mm ² 2. Conductor Outer Dia. : φ 3.1 Max. 3. Jacket Outer Dia. : φ 6 Max. (10 to 12 AWG)	3pcs per bag (Note 1)
	HR41-SC-111(01)	CL0141-0001-7-01	0.76 μ m		
	HR41-SC-121	CL0141-0003-2-00	0.2 μ m	1. Conductor Cross-section : 1.3 to 2.5mm ² 2. Conductor Outer Dia. : φ 2.0 Max. 3. Jacket Outer Dia. : φ 6 Max. (14 to 16 AWG)	
	HR41-SC-121(01)	CL0141-0003-2-01	0.76 μ m		
	HR41-SC-141	CL0141-0008-6-00	0.2 μ m	1. Conductor Cross-section : 5.5 to 6.5mm ² 2. Conductor Outer Dia. : φ 3.4 Max. 3. Jacket Outer Dia. : φ 6 Max. (10 AWG)	
	HR41-SC-141(01)	CL0141-0008-6-01	0.76 μ m		

Note 1 : Orders are accepted based on bag increments.

Note 2 : The contact design of HR41-SC-151, HR41-SC-111, HR41-SC-121, and HR41-SC-141 differ, so be careful when assembling for use.

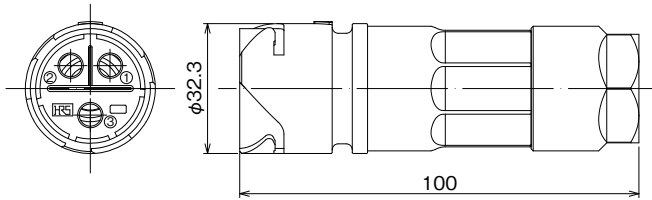
● Receptacle (Flange Type)



Part No.	HRS No.	No. of Pos.	Purchase Unit
HR41-25WBR-3PC	CL0141-0006-0-00	3	10pcs per bag (Note 1)

Note 1 : Orders are accepted in multiples of 10pcs.
Note 2 : Male contacts are assembled into the above product.

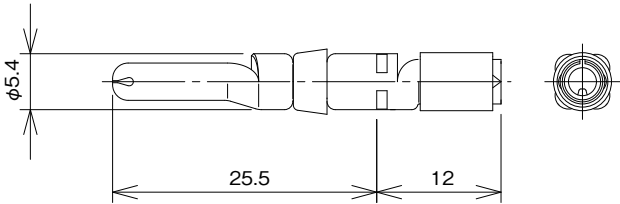
● Jack



Part No.	HRS No.	No. of Pos.	Applicable Cable	Purchase Unit
HR41-25WBJB-3PC	CL0141-0017-7-00	3	$\phi 11.8 \pm 0.4$	10pcs per bag (Note 1)
HR41-25WBJE-3PC	CL0141-0038-0-00		$\phi 10.1 \pm 0.6$	
HR41-25WBJF-3PC	CL0141-0019-2-00		$\phi 13.5 \pm 0.7$	

Note 1 : Orders are accepted in multiples of 10pcs.
Note 2 : Male contacts are assembled into the above product.

● Male Contact

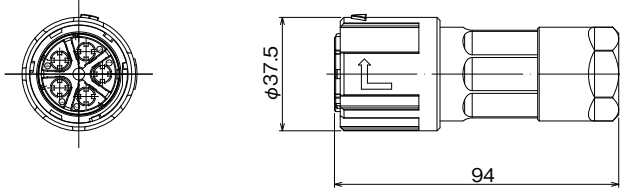


Type	Part No.	HRS No.	Plating Thickness of Contact Portion	Applicable Cable (Meets all of conditions 1, 2, and 3)	Purchase Unit
Loose Contacts	HR41-PC-111	CL0141-0002-0-00	0.2 μ m	1. Conductor Cross-section : 3.3 to 5.5mm ² 2. Conductor Outer Dia. : φ 3.1 Max. 3. Jacket Outer Dia. : φ 6 Max. (10 to 12 AWG)	3pcs per bag (Note)
	HR41-PC-111(01)	CL0141-0002-0-01	0.76 μ m		
	HR41-PC-121	CL0141-0004-5-00	0.2 μ m	1. Conductor Cross-section : 1.3 to 2.5mm ² 2. Conductor Outer Dia. : φ 2.0 Max. 3. Jacket Outer Dia. : φ 6 Max. (14 to 16 AWG)	
	HR41-PC-121(01)	CL0141-0004-5-01	0.76 μ m		

Note : Orders are accepted based on bag increments.

5pos. Type

● Plug

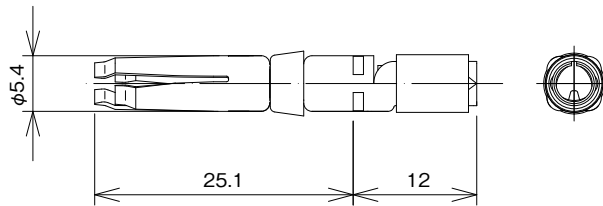


Part No.	HRS No.	No. of Pos.	Applicable Cable	Remarks	Purchase Unit
HR41-25WBP-5SC	CL0141-0009-9-00	5	$\phi 11.0 \pm 0.3$	3 Stage Sequential Mating	10pcs per bag (Note 1)

Note 1 : Orders are accepted in multiples of 10pcs.

Note 2 : Female contacts are assembled into the above product.

● Female Contact

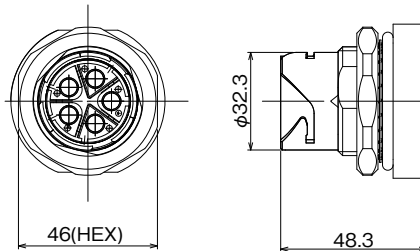


Type	Part No.	HRS No.	Plating Thickness of Contact Portion	Applicable Cable (Meets all of conditions 1, 2, and 3)	Purchase Unit
Loose Contacts	HR41-SC-151	CL0141-0011-0-00	$0.2 \mu m$	1. Conductor Cross-section : 0.75 to $2.5mm^2$ 2. Conductor Outer Dia. : $\phi 2.4$ Max. 3. Jacket Outer Dia. : $\phi 6$ Max. (14 to 18 AWG)	5pcs per bag (Note 1)

Note 1 : Orders are accepted based on bag increments.

Note 2 : The contact design of HR41-SC-151, HR41-SC-111, HR41-SC-121, and HR41-SC-141 differ, so be careful when assembling for use.

● Receptacle (Bulkhead Type)

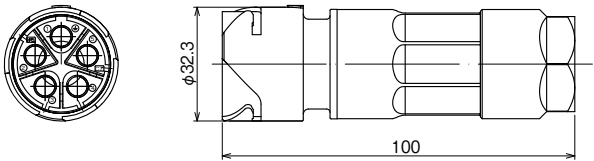


Part No.	HRS No.	No. of Pos.	Purchase Unit
HR41-25WBRA-5PC	CL0141-0010-8-00	5	10pcs per bag (Note 1)

Note 1 : Orders are accepted in multiples of 10pcs.

Note 2 : Male contacts are assembled into the above product.

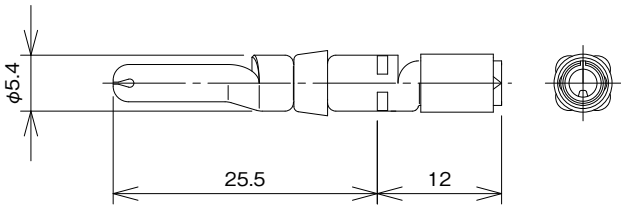
● Jack



Part No.	HRS No.	No. of Pos.	Applicable Cable	Purchase Unit
HR41-25WBJ-5PC	CL0141-0040-0-00	5	φ 11.0 ± 0.3	10pcs per bag (Note 1)
HR41-25WBJG-5PC	CL0141-0029-6-00		φ 12.4 ± 0.6	

Note 1 : Orders are accepted in multiples of 10pcs.
Note 2 : Male contacts are assembled into the above product.

● Male Contact

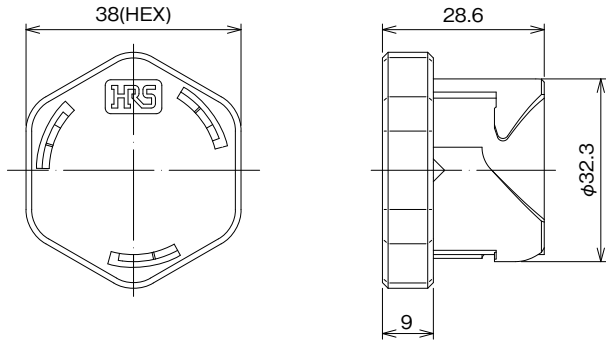


Type	Part No.	HRS No.	Plating Thickness of Contact Portion	Applicable Cable (Meets all of conditions 1, 2, and 3)	Purchase Unit
Loose Contacts	HR41-PC-151	CL0141-0012-3-00	0.2 μ m	1. Conductor Cross-section : 0.75 to 2.5mm ² 2. Conductor Outer Dia. : φ 2.4 Max. 3. Jacket Outer Dia. : φ 6 Max. (14 to 18 AWG)	5pcs per bag (Note)

Note : Orders are accepted based on bag increments.

Cap

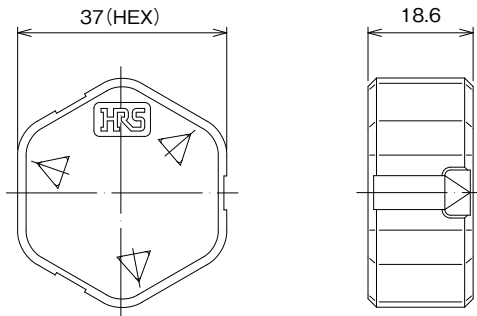
● Plug Cap



Part No.	HRS No.	Applicable Connector	Purchase Unit
HR41-25WBP-C	CL0141-0021-4-00	HR41-25WBPD-3SC HR41-25WBPE-3SC HR41-25WBPF-3SC HR41-25WBPG-3SC HR41-25WBP-5SC	50pcs per bag (Note)

Note : Orders are accepted in multiples of 50pcs.

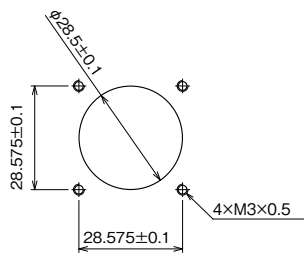
● Receptacle/Jack Cap



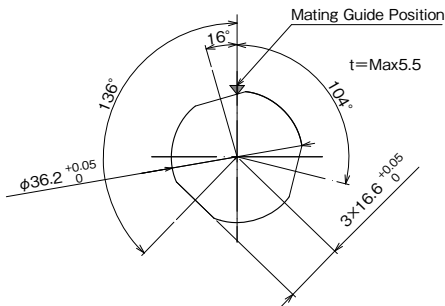
Part No.	HRS No.	Applicable Connector	Purchase Unit
HR41-25WBR-C	CL0141-0022-7-00	HR41-25WBR-3PC HR41-25WBRA-5PC HR41-25WBJB-3PC HR41-25WBJE-3PC HR41-25WBJF-3PC HR41-25WBJS-5PC HR41-25WBJS-5PC	50pcs per bag (Note)

Note : Orders are accepted in multiples of 50pcs.

Receptacle Panel Cutout Dimensions



Flange Type
(Usage Example : HR41-25WBR-3PC)



Bulkhead Type
(Usage Example : HR41-25WBRA-5PC)

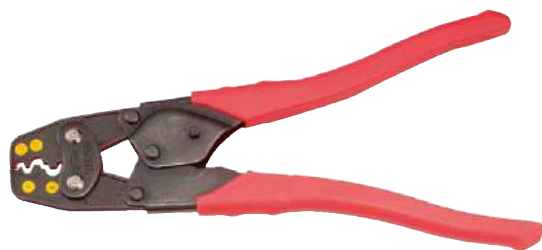
Applicable Tool

● Contact Extraction Tool



Type	Part No.	HRS No.	Purchase Unit
Contact Extraction Tool	HR41-TP	CL0150-0256-9-00	20pcs per bag

● Manual Crimp Tools



Tool Maker	Part No.
HOZAN TOOL IND.CO.,LTD.	P-75
Lobtex CO., LTD	AK15A
NICHIFU Co.,Ltd.	NH1

● Pneumatic Crimp Tool



Tool Maker	Part No.
Maxell Izumi Co., Ltd.	AC-5N.D Dice : Head No.1

Note : Perform maintenance in accordance with the tool manufacturer's instruction manual.

HR41A Series

Waterproof Connectors for Outdoor Use



Harsh Environment



Waterproof



Bayonet

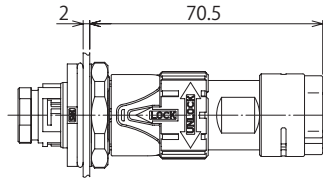


Features

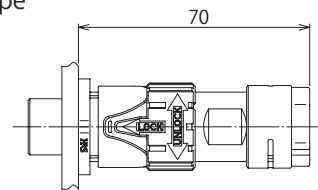
1. Waterproof Connector with Excellent Weather Resistance for Outdoor Use

With a highly weather resistant plastic shell, HR41A is ideal for outdoor applications.

Bulkhead Rear Mount Type (Panel Thickness=2mm)



Flange Type



Mated Condition

2. Waterproof Performance

IP67, IP68 when mated.

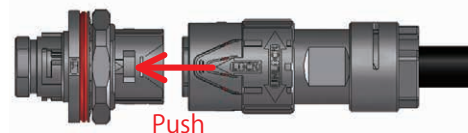
IP67 : Left for 30 min. at a water depth of 1m.

IP68 : Left for 14 days at a water depth of 2m.

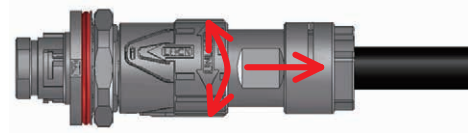
3. Easy to Operate Push-on Bayonet Lock

The push-on bayonet lock quickly achieves complete locking in a single action.

Mating : Push the plug directly into the receptacle.



Un-mating : Simply twist and remove the plug



1. Rotate locking collar in either direction 2. Pull Plug

Locking Design (Push-on Bayonet Lock)

4. Easy Field Assembly

The simple crimp connection and easy assembly design are ideal for on-site assembly.

5. Sequential Contacts

Contacts are sequentially arranged.

6. Designed to Accommodate Hot Swapping

Hot swapping condition test methods meet UL1977 standards.

7. Surge Resistant

Walls between adjacent contacts provides insulation against 15kV surges caused by lightning.

Product Specifications

Rated Current (Note 1)	13A (Ambient Temp. 25°C)	Operating Temperature (Note 2)	-40 to +105°C
		Storage Temperature Range	-10 to +60°C
Rated Voltage	1000V AC/DC		

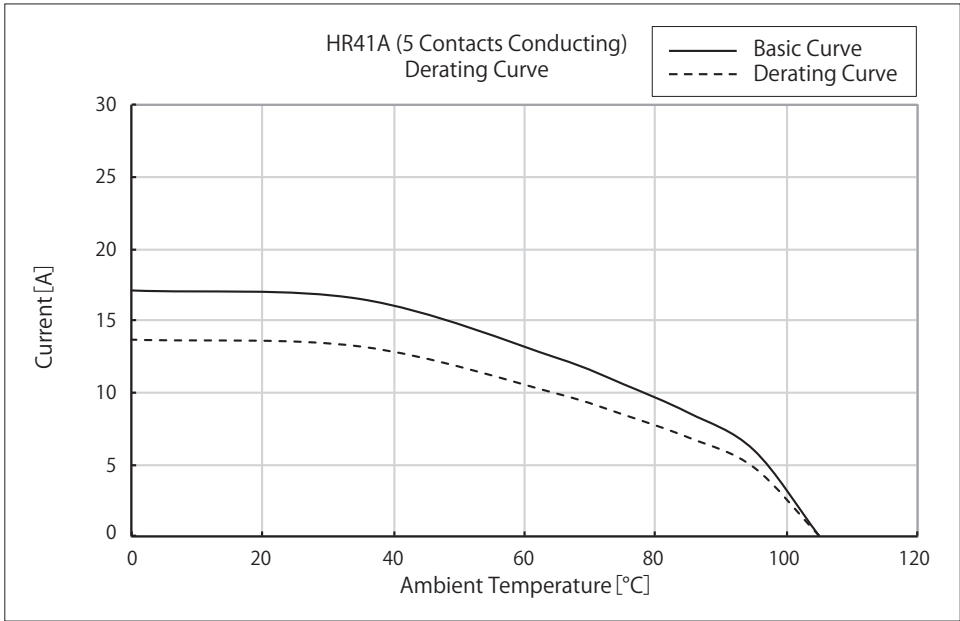
Items	Specifications	Conditions
Contact Resistance	5m Ω Max.	Measured at 1A DC
Insulation Resistance	5000M Ω Min.	Measured at 500V DC
Withstand Voltage	No flashover or breakdown	2200V AC for one min.
Vibration Resistance	No electrical interruption of 10 μ s or more	Frequency : 10 to 55 to 10Hz/cycle Half amplitude 0.75mm, 5 minutes/cycle 10 cycles each in 3 axis directions
Shock Resistance	No electrical interruption of 10 μ s or more	Acceleration : 490m/s ² , duration : 11ms, 3 times each in 3 axis directions
Mating Durability	Contact resistance 10m Ω Max.	500 times
Temperature Cycle	Insulation resistance 500M Ω Min.	-40°C for 30 minutes → Room temperature for 2 to 3 minutes → +105°C for 30 minutes → Room temperature for 2 to 3 minutes. Repeated for 5 cycles.
Moisture Resistance (Steady State)	Insulation Resistance : 50MΩ Min. (High Humidity) 500M Ω Min. (Dry)	Temperature : 40°C , relative humidity : 90 to 95%, left for 96 hours
Water Resistance	No water intrusion inside connector	Left submerged at a water depth of 2m in the mated condition for 14 days

Note 1 : Varies depending on the temperature the connector is used at. Use within the derating curve is recommended.

Note 2 : Includes temperature rise due to current flow.

Note 3 : Depending on the cable design and specifications, cable clamping force, rotation force, waterproof performance, etc. may differ. Please confirm before use.

[Reference] Derating Curve



Note 1 : The derating curve is derived from the basic curve multiplied by the derating factor of 0.8.

Note 2 : The measurement method of the derating curve is as follows:

- HR41A, unused prior to testing.
- Conductor cross-sectional area of test cable : 16 AWG (1.31mm²)
- Test condition : Measured after power supplied while the mated connectors are in a stationary state.

Materials / Finish

Component	Materials	Finish
Insulator	Polyamide, PBT	-
Contact	Copper Alloy	Partially Gold Plated
O-ring, Gasket	Silicone Rubber	-

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

HR41A - 17 W B P A - 5 S C (##)

1 2 3 4 5 6 7 8 9 10

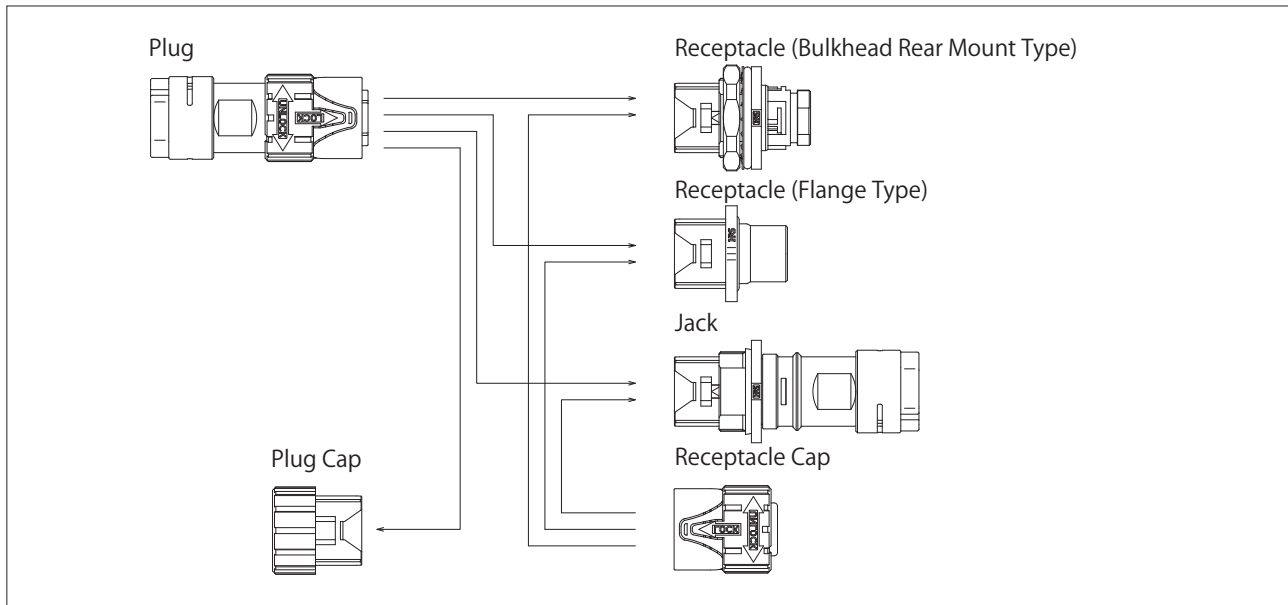
Crimp Contact

HR41A - S C - 1 1 1 (##)

1 8 9 11 12 13 10

1 Series Name	HR41A	7 No. of Pos.	3 or 5
2 Shell Size	17	8 Contact Gender	S : Female Contact P : Male Contact
3 Specialty	W : Waterproof Type	9 Contact Assembly	C : Crimp
4 Lock Mechanism	B : Bayonet Lock	10	Additional specifications are identified by adding (01), (02), etc.
5 Shell Type P : Plug R : Receptacle J : Jack		11 Contact Type	1 : Loose Contacts 2 : Reel Contacts
		12 Design	1 : If the design of contacts of the same size differs, 1, 2, 3 etc. are added to distinguish them
6 Serial Symbol		13 Contact Area Plating	1 : Gold Plated

Connector Mating Combinations Diagram



● Connector

Plug	Receptacle	Jack
HR41A-17WBPA-5SC(81)	HR41A-17WBRA-5PC(81) HR41A-17WBRB-5PC(81)	HR41A-17WBJ-5PC(81) HR41A-17WBJB-5PC(81) HR41A-17WBJD-5PC(81) HR41A-17WBJF-5PC(81)
HR41A-17WPAB-5SC(81)		
HR41A-17WPAD-5SC(81)		
HR41A-17WP AE-5SC(81)		
HR41A-17WP AF-5SC(81)		
HR41A-17WBP-3PC(81)	HR41A-17WBRA-3SC(81)	-
HR41A-17WPAB-3PC(81)		

● Plug Cap

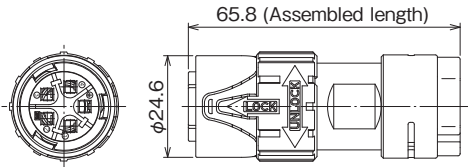
Plug	Cap
HR41A-17WBPA-5SC(81)	HR41A-17WBP-C(81)
HR41A-17WPAB-5SC(81)	
HR41A-17WPAD-5SC(81)	
HR41A-17WP AE-5SC(81)	
HR41A-17WP AF-5SC(81)	
HR41A-17WBP-3PC(81)	
HR41A-17WPAB-3PC(81)	

● Receptacle/Jack Cap

Receptacle/Jack	Cap
HR41A-17WBRA-5PC(81)	HR41A-17WBR-C(81)
HR41A-17WBRB-5PC(81)	
HR41A-17WBRA-3SC(81)	
HR41A-17WBJ-5PC(81)	
HR41A-17WBJB-5PC(81)	
HR41A-17WBJD-5PC(81)	
HR41A-17WBJF-5PC(81)	

Plug

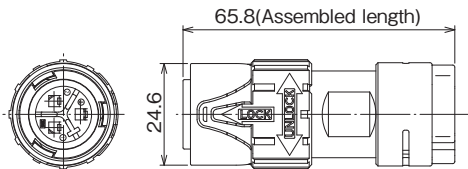
● 5pos. Type



Part No.	HRS No.	No. of Pos.	Applicable Cable Diameter	Remarks	Purchase Unit
HR41A-17WBPAE-5SC(81)	CL0141-0223-9-81	5	φ 7.4 to 8.2	Sequential Mating	20pcs per bag (Note 2)
HR41A-17WBPAD-5SC(81)	CL0141-0226-7-81		φ 8.2 to 9.0		
HR41A-17WBPAE-5SC(81)	CL0141-0210-7-81		φ 9.0 to 9.8		10pcs per bag (Note 3)
HR41A-17WBPAF-5SC(81)	CL0141-0228-0-81		φ 9.9 to 10.7		
HR41A-17WBPA-5SC(81)	CL0141-0203-1-81		φ 10.7 to 11.5		1pc per bag

Note 1 : Please refer to the specification document for details on the sequential mating design.
Note 2 : Orders are accepted in multiples of 20pcs.
Note 3 : Orders are accepted in multiples of 10pcs.

● 3pos. Type

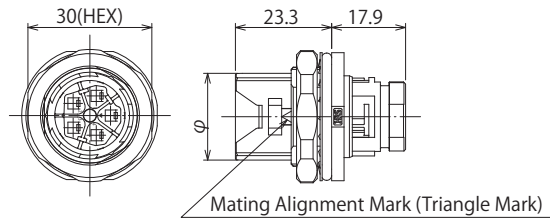


Part No.	HRS No.	No. of Pos.	Applicable Cable Diameter	Remarks	Purchase Unit
HR41A-17WBPAE-3PC(81)	CL0141-0232-0-81	3	φ 9.0 to 9.8	-	20pcs per bag (Note 1)
HR41A-17WBP-3PC(81)	CL0141-0217-6-81		φ 10.7 to 11.5	-	10pcs per bag (Note 2)

Note 1 : Orders are accepted in multiples of 20pcs.
Note 2 : Orders are accepted in multiples of 10pcs.

Receptacle

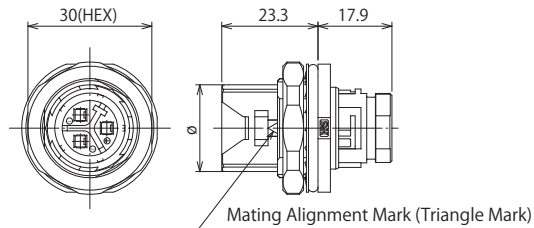
● Bulkhead Rear Mount Type (5pos. Type)



Part No.	HRS No.	No. of Pos.	Purchase Unit
HR41A-17WBRA-5PC(81)	CL0141-0201-6-81	5	10pcs per bag (Note)

Note : Orders are accepted in multiples of 10pcs.

● Bulkhead Rear Mount Type (3pos. Type)

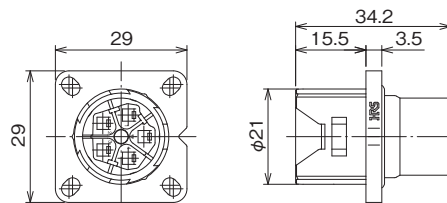


Part No.	HRS No.	No. of Pos.	Remarks	Purchase Unit
HR41A-17WBRA-3SC(81)	CL0141-0218-9-81	3	Sequence Mating	20pcs per bag (Note 2)

Note 1 : Please refer to the specification document for details on the sequential mating design.

Note 2 : Orders are accepted in multiples of 20pcs.

● Flange Type (5pos.)

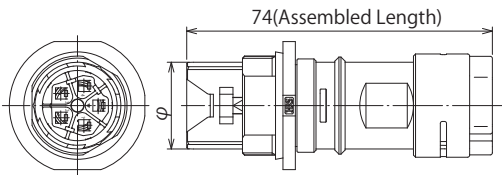


Part No.	HRS No.	No. of Pos.	Purchase Unit
HR41A-17WBRB-5PC(81)	CL0141-0222-6-81	5	20pcs per bag (Note)

Note : Orders are accepted in multiples of 20pcs.

Jack

● 5pos. Type

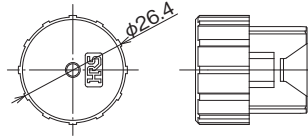


Part No.	HRS No.	No. of Pos.	Applicable Cable Diameter	Purchase Unit
HR41A-17WBJD-5PC(81)	CL0141-0216-3-81	5	φ 8.2 to 9.0	10pcs per bag (Note)
HR41A-17WBJB-5PC(81)	CL0141-0212-2-81		φ 9.0 to 9.8	
HR41A-17WBJS-5PC(81)	CL0141-0229-5-81		φ 9.9 to 10.7	
HR41A-17WBJ-5PC(81)	CL0141-0202-9-81		φ 10.7 to 11.5	

Note : Orders are accepted in multiples of 10pcs.

Caps

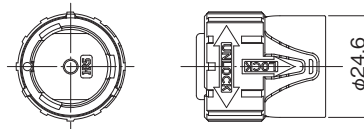
● Plug Cap



Part No.	HRS No.	Applicable Connectors	Purchase Unit
HR41A-17WBP-C(81)	CL0141-0219-1-81	HR41A-17WBPA-5SC(81) HR41A-17WPAB-5SC(81) HR41A-17WBPAD-5SC(81) HR41A-17WBPAE-5SC(81) HR41A-17WBPAF-5SC(81) HR41A-17WBP-3PC(81) HR41A-17WPAB-3PC(81)	20pcs per bag (Note)

Note : Orders are accepted in multiples of 20pcs.

● Receptacle/Jack Cap

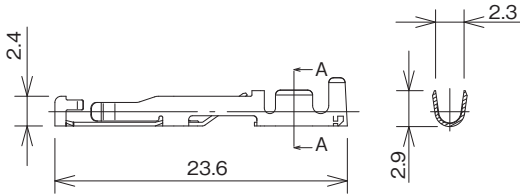
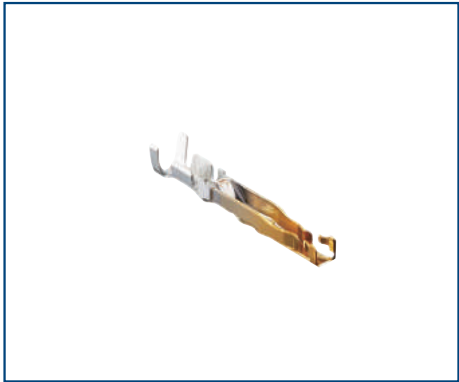


Part No.	HRS No.	Applicable Connectors	Purchase Unit
HR41A-17WBR-C(81)	CL0141-0220-0-81	HR41A-17WBRA-5PC(81) HR41A-17WBRB-5PC(81) HR41A-17WBRA-3SC(81) HR41A-17WB-5PC(81) HR41A-17WB-5PC(81) HR41A-17WB-5PC(81) HR41A-17WB-5PC(81)	20pcs per bag (Note)

Note : Orders are accepted in multiples of 20pcs.

Crimp Contacts

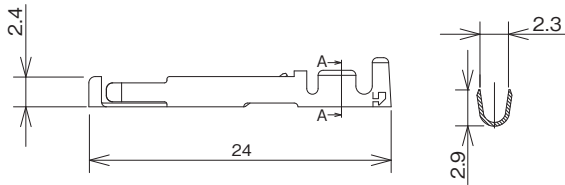
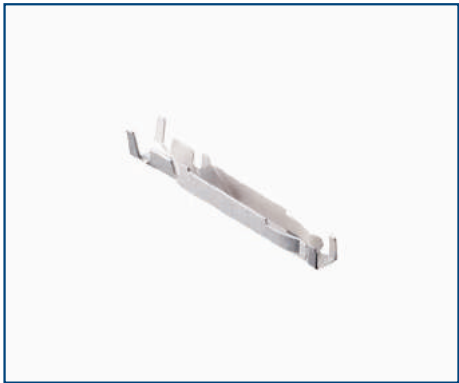
● Female Contact
 Gold Plated



Type	Part No.	HRS No.	Plating Thickness of Contact Portion	Applicable Cable	Remarks
Loose Contacts (Note 1)	HR41A-SC-111	CL0141-0213-5-00	Gold : 0.76 μ m	16 to 20 AWG 0.52 to 1.31mm ²	100pcs per bag (Note 3)
	HR41A-SC-111(01)	CL0141-0213-5 01	Gold : 0.2 μ m		
Reel Contacts (Note 2)	HR41A-SC-211	CL0141-0206-0-00	Gold : 0.76 μ m		5,000pcs per reel
	HR41A-SC-211(01)	CL0141-0206-0-01	Gold : 0.2 μ m		

Note 1 : Use a cable with an outer diameter of ϕ 1.9- 2.55.
 Note 2 : Use a cable with an outer diameter of ϕ 1.9- 3.2.
 Note 3 : Orders are accepted in bag increments.

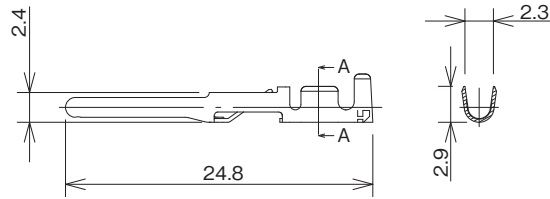
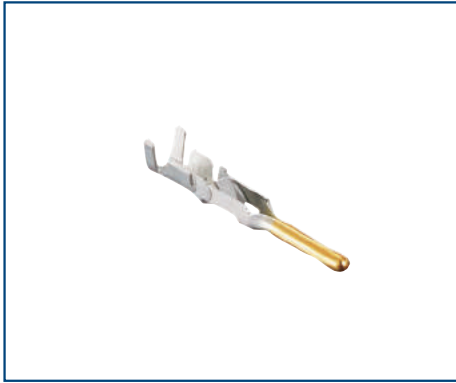
Silver Plated



Type	Part No.	HRS No.	Plating Thickness of Contact Portion	Applicable Cable	Remarks
Loose Contacts	JRC-SC-112	CL0114-0241-8-00	Silver : 5 μ m	16 to 20 AWG 0.52 to 1.31mm ²	100pcs per bag (Note 2)
Reel Contacts	JRC-SC-212	CL0114-0242-0-00			5,000pcs per reel

Note 1 : Use a cable with an outer diameter of ϕ 1.9- 2.55.
 Note 2 : Orders are accepted in bag increments.

● Male Contact Gold Plated



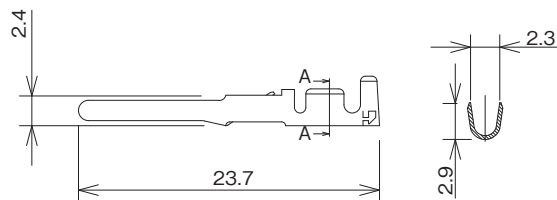
Type	Part No.	HRS No.	Plating Thickness of Contact Portion	Applicable Cable	Remarks
Loose Contacts (Note 1)	HR41A-PC-111	CL0141-0214-8-00	Gold : 0.76 μ m	16 to 20 AWG 0.52 to 1.31mm ²	100pcs per bag (Note 3)
	HR41A-PC-111(01)	CL0141-0214-8-01	Gold : 0.2 μ m		
Reel Contacts (Note 2)	HR41A-PC-211	CL0141-0207-2-00	Gold : 0.76 μ m		5000pcs per reel
	HR41A-PC-211(01)	CL0141-0207-2-01	Gold : 0.2 μ m		

Note 1 : Use a cable with an outer diameter of ϕ 1.9- 2.55.

Note 2 : Use a cable with an outer diameter of ϕ 1.9- 3.2.

Note 3 : Orders are accepted in bag increments.

Silver Plated



Type	Part No.	HRS No.	Plating Thickness of Contact Portion	Applicable Cable	Remarks
Loose Contacts	JRC-PC-112	CL0114-0239-6-00	Silver : 5 μ m	16 to 20 AWG 0.52 to 1.31mm ²	100pcs per bag (Note 2)
Reel Contacts	JRC-PC-212	CL0114-0240-5-00			5000pcs per reel

Note 1 : Use a cable with an outer diameter of ϕ 1.9- 2.55.

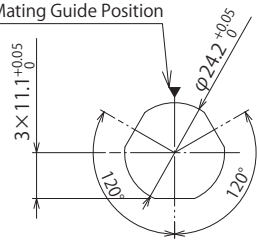
Note 2 : Orders are accepted in bag increments.

Receptacle Panel Mounting Hole Dimensions

Bulkhead, Rear Mount Type

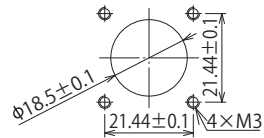
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Mating Guide Position

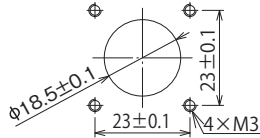


Flange Type

Minimum Mounting Dimensions



Maximum Mounting Dimensions



Applicable tools

- Manual Crimp Tool
- Manual Crimp Tool
- Automatic Crimp Press



HT802/HR41A-11



JRC-TC-11, JRC-TC-12



CM-105C

- Extraction Tool



HR41A-TP

Type	Items	Part No.	HRS No.	Applicable Contacts	Applicable Cable
Manual	Manual Crimp Tool (Note)	HT802/ HR41A-11-16	CL0150-0408-5-00	HR41A-SC-111 HR41A-PC-111	16 AWG Jacket Outer Diameter : ϕ 1.9 to 2.55
		HT802/ HR41A-11-18	CL0150-0404-4-00		18 AWG Jacket Outer Diameter : ϕ 1.9 to 2.55
		HT802/ HR41A-11-20	CL0150-0407-2-00		20 AWG Jacket Outer Diameter : ϕ 1.9 to 2.55
		JRC-TC-11	CL0150-0033-4-00	JRC-PC-112 JRC-SC-112	16 AWG Jacket Outer Diameter : ϕ 1.9 to 2.55
		JRC-TC-12	CL0150-0034-7-00	JRC-PC-112 JRC-SC-112	18 to 20 AWG Jacket Outer Diameter : ϕ 1.9 to 2.55
Automatic	Automatic Crimp Press	CM-105C	CL0901-0001-0-00	-	-
	Press Applicator (Note)	AP105-HR41A-1	CL0901-2055-3-00	HR41A-SC-211 HR41A-PC-211	16 to 20 AWG Jacket Outer Diameter : ϕ 1.9 to 3.2
		AP105-JRC-1	CL0901-2039-7-00	JRC-PC-212 JRC-SC-212	16 to 20 AWG Jacket Outer Diameter : ϕ 1.9 to 2.55
Extraction Tool		HR41A-TP	CL0150-0405-7-00	-	-

(Note) When using a cable with jacket outer diameter of φ 2.55 to 3.2, use AP105-HR41A-1.

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