

## Manual service Disconnecter Solution

Picture	Discription&application	Current Rating	Volatge Rating (DC)	No. of contact	Cable Section (mm <sup>2</sup> )	Shielding	HVIL	Shell Material	IP level	Page
	<b>Manual service Disconnecter (MSD9)</b> Fuse current: Voltage500V.DC80A --450A; Current Rating: 200A	200A	500	2	N/A	N/A	option	Plastic	IP68	97

## Signal Transmission System Solution

Picture	Discription&application	Current Rating	Volatge Rating (DC)	No. of contact	Cable Section (mm <sup>2</sup> )	Shielding	HVIL	Shell Material	IP level	Page
	<b>5POS Bayonet circular connector</b> Applying to battery management system and other EV signal control system.	13A	400	5	0.5--1.5	N/A	N/A	Metal	IP67	*
	<b>6POS Push-Pull circular connector</b> Applying to battery management system and other EV signal control system.	10A	300	6	0.5--1	N/A	N/A	Metal	IP67	*
	<b>7POS Bayonet circular connector</b> Applying to battery management system and other EV signal control system.	7A	400	7	0.5--0.75	N/A	N/A	Metal	IP67	*
	<b>8POS Bayonet circular connector</b> Applying to battery management system and other EV signal control system.	13A	400	8	0.5--1.5	N/A	N/A	Metal	IP67	*
	<b>8POS Bayonet circular connector (Tiny)</b> Applying to battery management system and other EV signal control system.	7A	400	8	0.5-0.75	N/A	N/A	Metal	IP67	*
	<b>8POS Push-Pull circular connector</b> Applying to battery management system and other EV signal control system.	7A	400	8	0.5-0.75	N/A	N/A	Metal	IP67	*

## Signal Transmission System Solution

Picture	Discription&application	Current Rating	Volatge Rating (DC)	No. of contact	Cable Section (mm <sup>2</sup> )	Shielding	HVIL	Shell Material	IP level	Page
	<b>8POS Circular Signal Plastic shell connector</b> Applying to battery management system and other EV signal control system.	13A	400	8	0.5--1.5	N/A	N/A	Metal	IP67	99
	<b>10POS Bayonet Circular Signal connector</b> Applying to battery management system and other EV signal control system.	7A	400	10	0.5-0.75	N/A	N/A	Metal	IP67	*
	<b>12POS Push-Pull Circular Signal connector</b> Applying to battery management system and other EV signal control system.	7A	400	12	0.5-0.75	N/A	N/A	Metal	IP67	*
	<b>12POS Bayonet Circular Signal connector</b> Applying to battery management system and other EV signal control system.	13A	400	12	0.5-1.5	N/A	N/A	Metal	IP67	*
	<b>12POS Bayonet Circular Signal connector</b> Applying to battery management system and other EV signal control system.	7A	400	12	0.5-1.5	N/A	N/A	Metal	IP67	*
	<b>12/18POS Circular Signal Plastic shell connector</b> Applying to battery management system and other EV signal control system.	7A	400	12	0.35-0.75	N/A	N/A	Plastic	IP68	100
	<b>19POS Bayonet Circular Signal connector</b> Applying to battery management system and other EV signal control system.	7A	400	19	0.5-0.75	N/A	N/A	Metal	IP67	*
	<b>19POS Push-Pull Circular Signal connector</b> Applying to battery management system and other EV signal control system.	7A	400	19	0.35-0.5	N/A	N/A	Metal	IP67	*

## Signal Transmission System Solution

Picture	Discription&application	Current Rating	Volatge Rating (DC)	No. of contact	Cable Section (mm <sup>2</sup> )	Shielding	HVIL	Shell Material	IP level	Page
	<b>26POS Bayonet Circular Signal connector</b> Applying to battery management system and other EV signal control system.	13A	400	26	0.5--1.5	N/A	N/A	Metal	IP67	*
	<b>32POS Bayonet Circular Signal connector</b> Applying to battery management system and other EV signal control system.	7A	400	32	0.5-0.75	N/A	N/A	Metal	IP67	*
	<b>32POS Circular Signal Plastic shell connector</b> Applying to battery management system and other EV signal control system.	13A	400	26Signal Terminal 43 Power Terminal	Signal 0.35-0.8 Power 0.5-1.5	N/A	N/A	Plastic	IP68	101
	<b>37POS Bayonet Circular Signal connector</b> Applying to battery management system and other EV signal control system.	7A	400	37	0.5-0.75	N/A	N/A	Metal	IP67	*
	<b>46POS Bayonet Circular Signal connector</b> Applying to battery management system and other EV signal control system.	7A	400	46	0.5-0.75	N/A	N/A	Metal	IP67	*

## Charging Connector system

Picture	Discription&application	Current Rating	Volatge Rating (DC)	No. of contact	Cable Section (mm <sup>2</sup> )	Shielding	HVIL	Shell Material	IP level	Page
	<b>AC Charging Gun</b> Include AC Plug and Socket, Main Applying to connect Electric net and OBC.	10A/ 16A/ 32A/ 63A	450	7	Option	N/A	N/A	Plastic	IP66	103
	<b>DC Charging Gun</b> Include DC Plug and Socket, Main Applying to connect Electric net and OBC.	125A/ 250A	750	9	Option	N/A	N/A	Plastic	IP66	110

## Signal Transmission System Solution

Signal connectors are used on Battery Management System (BMS), battery equalization system, vehicle controller and other signal control systems for EV/HEV. Recodeal offers our customer with over 100 types of signal connectors to meet different application environments. The typical ones are 5 POS, 8 POS, 9 POS, 12 POS, 14 POS, 19 POS, 26 POS, 46POS circular connectors, with cable section from 0.5mm<sup>2</sup> to 1.5mm<sup>2</sup>. We can also provide assembly manufacturing service for cable assemblies and wire harness for our clients.



## 8POS Plastic Shell Signal Connector

### Describe

- Straight-in lock
  - multiple keys and colors
  - High Protection Degree: IP68
  - Adopt punching terminal, low cost,
  - convenient for customer wiring
- For battery pack, MCU、PDU equipment

### Application

- Current Rating: 7A
- Voltage Rating: 300V DC
- Shield: N
- HVIL: Non
- Temperature:  $-40^{\circ}\text{C}$ — $+125^{\circ}\text{C}$

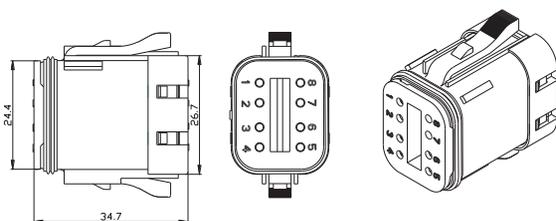


### Name of material

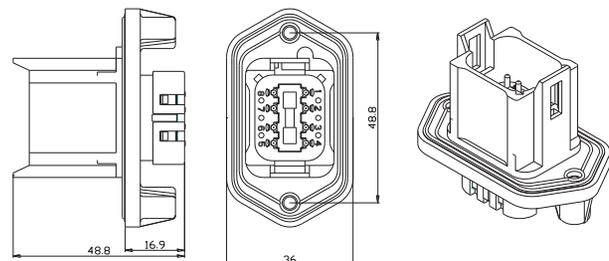
No	Name of material	Drawing No	materia Type	Note
1	Contact part	1062-16-0122S		
2	Plug Cap	RC047-01-00-02		
3	Plug assembly ( N Position Black )	RC047-01-01-00	RS4-K8TY-NH-B	Contains plug housing, sealing ring, sealing body, plug tail cover
4	Plug assembly ( A Position Red )	RC047-01-01-00A	RS4-K8TY-AR-B	
5	Plug assembly ( B Position Black )	RC047-01-01-00B	RS4-K8TY-BH-B	
6	Plug assembly ( C Position Red )	RC047-01-01-00C	RS4-K8TY-CR-B	
7	Pin assembly	1060-12-0122S		
8	socket Cap	RC047-02-00-02		
9	socket assembly ( N Position Black )	RC047-02-02-00	RS4-J8ZY-NH-D	Contains socket housing, sealing body, socket tail cover, gasket
10	socket assembly ( A Position Red )	RC047-02-02-00A	RS4-J8ZY-AR-D	
11	socket assembly ( B Position Black )	RC047-02-02-00B	RS4-J8ZY-BH-D	
12	socket assembly ( C Position Red )	RC047-02-02-00C	RS4-J8ZY-CR-D	

### SIZE

#### PLUG



#### SOCKET ( Installation without outlet box )



# 12/18POS Plastic Shell Signal Connector

## Describe

- Straight-in lock
- multiple keys and colors
- High Protection Degree: IP68
- Adopt punching terminal, low cost,
- convenient for customer wiring
- For battery pack, MCU、PDU
- equipment



## Application

- Current Rating: 7A
- Voltage Rating: 300V DC
- Shield: N
- HVIL: Non
- Temperature: -40°C-- +125°C

## Naming Rules

### Plug

RS4-K 18 TY-DW-B

Design Extension Number : B  
 DW:D key gray; AH: A black;  
 BO: B key orange;

Press plug  
 POS: 12/18  
 Plug contact

### Socket

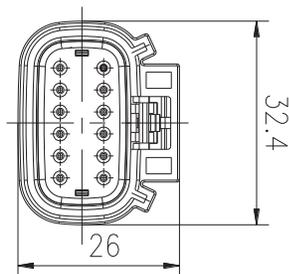
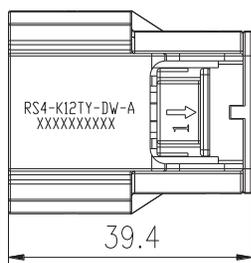
Rs4-J 12 ZY-AH-B

Design Extension Number : B  
 DW:D key gray; AH:A black;  
 BO:B key orange;

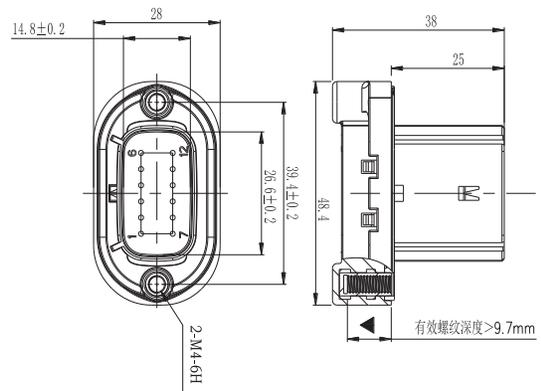
Press plug  
 POS: 12/18  
 Plug contact

## SIZE

### PLUG



### SOCKET



## 32POS Plastic Shell Signal Connector

### Describe

- Hand locking structure
- 3 key positions,
- High Protection: IP68
- Adopt punching terminal, low cost,
- convenient for customer wiring  
For battery pack, MCU、PDU equipment



### Application

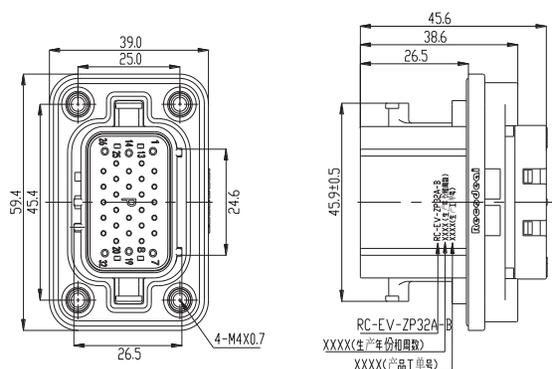
- Current Rating: Big Terminal 7A, Small 5A
- Voltage Rating: 300V DC
- Shield: Non
- HVIL: Non
- Temperature:  $-40^{\circ}\text{C}$  --  $+125^{\circ}\text{C}$

### Name of Material

No	Product Name	Product Model	Product Chart	Product Chart	Note
1	32POS Plastic shell plug	RC-EV-TS32A-B	R3.653.605002	Free Plug	No contact, dust cover
2	32POS Plastic shell plug	RC-EV-TS32B-B	R3.653.605003	Free Plug	No contact, dust cover
3	32POS Plastic shell plug	RC-EV-TS32C-B	R3.653.605004	Free Plug	No contact, dust cover
4	32POS Plastic shell plug	RC-EV-ZP32A-B	R3.663.605003	Rectangular flange	No Pin, dust cover
5	32POS Plastic shell plug	RC-EV-ZP32B-B	R3.663.605004	Rectangular flange	No Pin, dust cover
6	32POS Plastic shell plug	RC-EV-ZP32C-B	R3.663.605005	Rectangular flange	No Pin, dust cover

### SIZE

Socket RC-EV-ZP32-B



PLUG RC-EV-TS32-B

