



RENHOTEC GROUP LIMITED

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Factory(Dongguan): 13-1 Wenming Rd, Dongguan City, Guangdong Province China, 523900

Factory(jiangmen): Building 5, Wanyang Zhongchuang City, Daze Industrial Park, Jiangmen City, Guangdong Province, China

M9 Series

- Compliance with IEC61076 standard.
- Protection degree: IP65(Mated), IP67(Mated).
- 360° EMC shielded version available.
- Pin configurations: 2, 3, 4, 5, 6, 7, 8 positions.
- Cable length, material and colours can be customized.

Always check Gcode filament and printer file settings match
filament and printer
Always check
that is clean
there is no
plastic

M9 SERIES



Part No. **RHT-634-3177** **RHT-634-3141** **RHT-634-3178** **RHT-634-3257**



Part No. **RHT-634-3179** **RHT-634-3256** **RHT-634-3259** **RHT-634-3258**



Part No. **RHT-634-3178-XXX** **RHT-634-3257-XXX** **RHT-634-3179-XXX** **RHT-634-3256-XXX**



Part No. **M9002** **M9001** **M9004** **M9003**

M9 Field Assembly Connector, Solder Cup, Straight



Specification

Number of positions	2	3	4	5	6	7	8
Insert arrangement (Female)							
Insert arrangement (Male)							

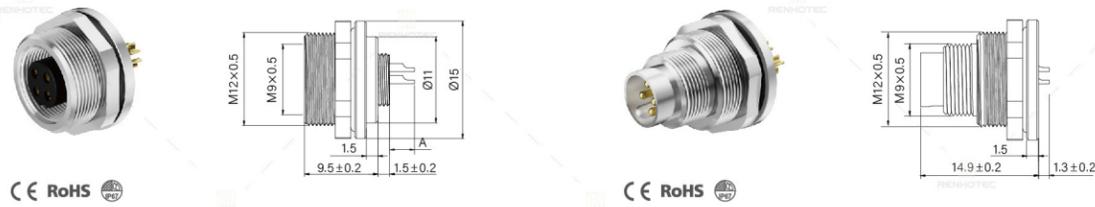
Rated current	4A	4A	3A	3A	1A	1A	1A
Rated voltage	125V	125V	125V	125V	125V	125V	125V
Wire gauge	24AWG 0.25mm ²				26AWG 0.14mm ²		
Insulation resistance	≥100MΩ						
Contact resistance	≤3mΩ						
Temperature range	-25 C ~ +80 C						
Protection rating	IP67(Mated)						
Body material	Brass, Nickel Plated						
Screw nut material	Brass, Nickel Plated						
Insulation material	PA66+GF						
Contact termination	Solder Cup						
Contact material	Brass, Gold Plated						
Seal	Silica gel						
Shielding	Shielded						
Mating cycles	≥500						

Part Number

Number of positions	Female	Male
2	RHT-634-3177-02	RHT-634-3141-02
3	RHT-634-3177-03	RHT-634-3141-03
4	RHT-634-3177-04	RHT-634-3141-04
5	RHT-634-3177-05	RHT-634-3141-05
6	RHT-634-3177-06	RHT-634-3141-06
7	RHT-634-3177-07	RHT-634-3141-07
8	RHT-634-3177-08	RHT-634-3141-08

M9 Panel Mount Receptacle, Front Fastened, Solder Cup, Straight

M9 Panel Mount Receptacle, Rear Fastened, Solder Cup, Straight



Specification

Specification

Number of positions	2	3	4	5	6	7	8
Insert arrangement (Female)							
Insert arrangement (Male)							
Rated current	4A	4A	3A	3A	1A	1A	1A
Rated voltage	125V	125V	125V	125V	125V	125V	125V
Wire gauge	24AWG 0.25mm ²				26AWG 0.14mm ²		
Insulation resistance	≥100MΩ						
Contact resistance	≤3mΩ						
Temperature range	-25 C ~ +80 C						
Protection rating	IP67(Mated)						
Body material	Brass, Nickel Plated						
Insulation material	PA66+GF						
Contact termination	Solder Cup						
Contact material	Brass						
Contact finish	Gold						
Seal	NBR, Black						
Shielding	Unshielded						
Mating cycles	≥500						

Number of positions	2	3	4	5	6	7	8
Insert arrangement (Female)							
Insert arrangement (Male)							
Rated current	4A	4A	3A	3A	1A	1A	1A
Rated voltage	125V	125V	125V	125V	125V	125V	125V
Wire gauge	24AWG 0.25mm ²				26AWG 0.14mm ²		
Insulation resistance	≥100MΩ						
Contact resistance	≤3mΩ						
Temperature range	-25 C ~ +80 C						
Protection rating	IP67(Mated)						
Body material	Brass, Nickel Plated						
Insulation material	PA66+GF						
Contact termination	Solder Cup						
Contact material	Brass						
Contact finish	Gold						
Seal	NBR, Black						
Shielding	Unshielded						
Mating cycles	≥500						

Part Number

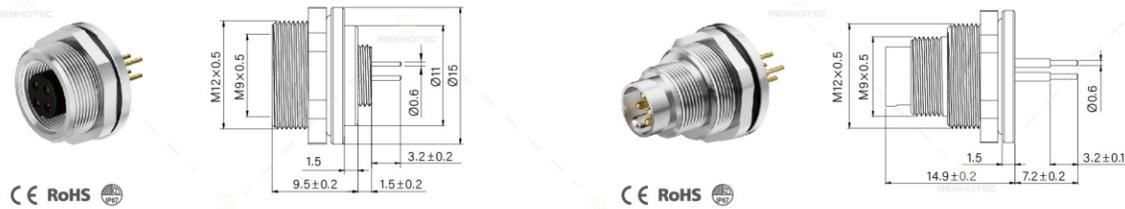
Part Number

Number of positions	Female	Male
2	RHT-634-3178-02	RHT-634-3257-02
3	RHT-634-3178-03	RHT-634-3257-03
4	RHT-634-3178-04	RHT-634-3257-04
5	RHT-634-3178-05	RHT-634-3257-05
6	RHT-634-3178-06	RHT-634-3257-06
7	RHT-634-3178-07	RHT-634-3257-07
8	RHT-634-3178-08	RHT-634-3257-08

Number of positions	Female	Male
2	RHT-634-3179-02	RHT-634-3256-02
3	RHT-634-3179-03	RHT-634-3256-03
4	RHT-634-3179-04	RHT-634-3256-04
5	RHT-634-3179-05	RHT-634-3256-05
6	RHT-634-3179-06	RHT-634-3256-06
7	RHT-634-3179-07	RHT-634-3256-07
8	RHT-634-3179-08	RHT-634-3256-08

M9 Panel Mount Receptacle, Front Fastened, PCB Type, Straight

M9 Wiring



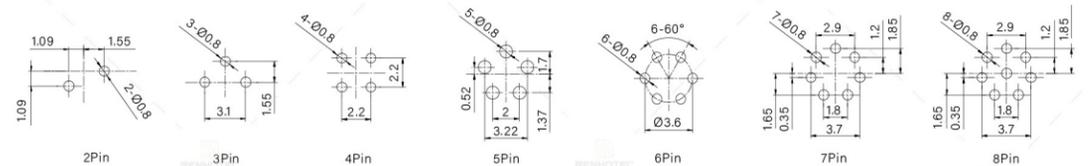
Specification

Number of positions	2	3	4	5	6	7	8
Insert arrangement (Female)							
Insert arrangement (Male)							
Rated current	4A	4A	3A	3A	1A	1A	1A
Rated voltage	125V	125V	125V	125V	125V	125V	125V
Insulation resistance	≥100MΩ						
Contact resistance	≤3mΩ						
Temperature range	-25°C ~ +80°C						
Protection rating	IP67 (Mated)						
Body material	Brass, Nickel Plated						
Insulation material	PA66+GF						
Contact termination	PCB Solder						
Contact material	Brass						
Contact finish	Gold						
Seal	NBR, Black						
Shielding	Unshielded						
Mating cycles	≥500						

Part Number

Number of positions	Female	Male
2	RHT-634-3259-02	RHT-634-3258-02
3	RHT-634-3259-03	RHT-634-3258-03
4	RHT-634-3259-04	RHT-634-3258-04
5	RHT-634-3259-05	RHT-634-3258-05
6	RHT-634-3259-06	RHT-634-3258-06
7	RHT-634-3259-07	RHT-634-3258-07
8	RHT-634-3259-08	RHT-634-3258-08

PCB Layout



Female Contact	Wiring Colours and Sequences	Male Contact																		
	<table border="1"> <tr><th>Contacts</th><th>Wire Colours</th></tr> <tr><td>1</td><td>BN</td></tr> <tr><td>2</td><td>BU</td></tr> </table>	Contacts	Wire Colours	1	BN	2	BU													
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3	GN																			
4	YE																			
5	GY																			
6	PK																			
7	BU																			
8	RD																			

M9 Panel Mount Receptacle with Wires, Front Fastened, Straight



Specification

Number of positions	2	3	4	5	6	7	8
Insert arrangement (Female)							
Insert arrangement (Male)							
Rated current	4A	4A	3A	3A	1A	1A	1A
Rated voltage	125V	125V	125V	125V	125V	125V	125V
Wire gauge	24AWG 0.25mm ²				26AWG 0.14mm ²		
Insulation resistance	≥100MΩ						
Contact resistance	≤3mΩ						
Temperature range	-25 C ~ +80 C						
Protection rating	IP67(Mated)						
Body material	Brass, Nickel Plated						
Insulation material	PA66+GF						
Contact termination	Solder Cup						
Contact material	Brass						
Contact finish	Gold						
Wire material	PVC						
Seal	NBR, Black						
Shielding	Unshielded						
Mating cycles	≥500						

Part Number

Number of positions	Wire Length	Female	Male
2	0.3m	RHT-634-3178-02-030	RHT-634-3257-02-030
	Customized	RHT-634-3178-02-XXX	RHT-634-3257-02-XXX
3	0.3m	RHT-634-3178-03-030	RHT-634-3257-03-030
	Customized	RHT-634-3178-03-XXX	RHT-634-3257-03-XXX
4	0.3m	RHT-634-3178-04-030	RHT-634-3257-04-030
	Customized	RHT-634-3178-04-XXX	RHT-634-3257-04-XXX
5	0.3m	RHT-634-3178-05-030	RHT-634-3257-05-030
	Customized	RHT-634-3178-05-XXX	RHT-634-3257-05-XXX
6	0.3m	RHT-634-3178-06-030	RHT-634-3257-06-030
	Customized	RHT-634-3178-06-XXX	RHT-634-3257-06-XXX
7	0.3m	RHT-634-3178-07-030	RHT-634-3257-07-030
	Customized	RHT-634-3178-07-XXX	RHT-634-3257-07-XXX
8	0.3m	RHT-634-3178-08-030	RHT-634-3257-08-030
	Customized	RHT-634-3178-08-XXX	RHT-634-3257-08-XXX

M9 Panel Mount Receptacle with Wires, Rear Fastened, Straight



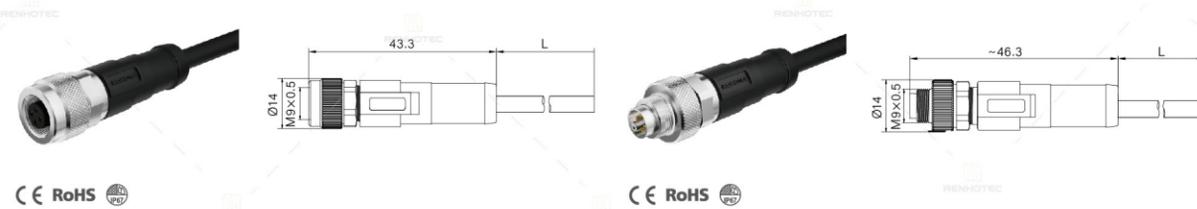
Specification

Number of positions	2	3	4	5	6	7	8
Insert arrangement (Female)							
Insert arrangement (Male)							
Rated current	4A	4A	3A	3A	1A	1A	1A
Rated voltage	125V	125V	125V	125V	125V	125V	125V
Wire gauge	24AWG 0.25mm ²				26AWG 0.14mm ²		
Insulation resistance	≥100MΩ						
Contact resistance	≤3mΩ						
Temperature range	-25 C ~ +80 C						
Protection rating	IP67(Mated)						
Body material	Brass, Nickel Plated						
Insulation material	PA66+GF						
Contact termination	Solder Cup						
Contact material	Brass						
Contact finish	Gold						
Wire material	PVC						
Seal	NBR, Black						
Shielding	Unshielded						
Mating cycles	≥500						

Part Number

Number of positions	Wire Length	Female	Male
2	0.3m	RHT-634-3179-02-030	RHT-634-3256-02-030
	Customized	RHT-634-3179-02-XXX	RHT-634-3256-02-XXX
3	0.3m	RHT-634-3179-03-030	RHT-634-3256-03-030
	Customized	RHT-634-3179-03-XXX	RHT-634-3256-03-XXX
4	0.3m	RHT-634-3179-04-030	RHT-634-3256-04-030
	Customized	RHT-634-3179-04-XXX	RHT-634-3256-04-XXX
5	0.3m	RHT-634-3179-05-030	RHT-634-3256-05-030
	Customized	RHT-634-3179-05-XXX	RHT-634-3256-05-XXX
6	0.3m	RHT-634-3179-06-030	RHT-634-3256-06-030
	Customized	RHT-634-3179-06-XXX	RHT-634-3256-06-XXX
7	0.3m	RHT-634-3179-07-030	RHT-634-3256-07-030
	Customized	RHT-634-3179-07-XXX	RHT-634-3256-07-XXX
8	0.3m	RHT-634-3179-08-030	RHT-634-3256-08-030
	Customized	RHT-634-3179-08-XXX	RHT-634-3256-08-XXX

M9 Single-ended Cable, Straight



Specification

Number of positions	2	3	4	5	6	7	8
Insert arrangement (Female)							
Insert arrangement (Male)							
Rated current	4A	4A	3A	3A	1A	1A	1A
Rated voltage	125V	125V	125V	125V	125V	125V	125V
Wire gauge	24AWG 0.25mm ²				26AWG 0.14mm ²		
Insulation resistance	≥100MΩ						
Contact resistance	≤3mΩ						
Temperature range	-25 C ~ +80 C						
Protection rating	IP67 (Mated)						
Over-molding material	PVC/TPU						
Screw nut material	Brass, Nickel Plated						
Insulation material	PA66+GF						
Contact termination	Solder Cup						
Contact material	Brass, Gold Plated						
Cable material	PVC/PUR/Customized						
Cable Colour	Black/Customized						
Seal	NBR, Black						
Shielding	Unshielded/Shielded						

Part Number

Number of positions	Cable Length	Female		Male	
		PVC	PUR	PVC	PUR
2	1m	M9002-02-C-100	M9002-02-R-100	M9001-02-C-100	M9001-02-R-100
	Customized	M9002-02-C-XXX	M9002-02-R-XXX	M9001-02-C-XXX	M9001-02-R-XXX
3	1m	M9002-03-C-100	M9002-03-R-100	M9001-03-C-100	M9001-03-R-100
	Customized	M9002-03-C-XXX	M9002-03-R-XXX	M9001-03-C-XXX	M9001-03-R-XXX
4	1m	M9002-04-C-100	M9002-04-R-100	M9001-04-C-100	M9001-04-R-100
	Customized	M9002-04-C-XXX	M9002-04-R-XXX	M9001-04-C-XXX	M9001-04-R-XXX
5	1m	M9002-05-C-100	M9002-05-R-100	M9001-05-C-100	M9001-05-R-100
	Customized	M9002-05-C-XXX	M9002-05-R-XXX	M9001-05-C-XXX	M9001-05-R-XXX
6	1m	M9002-06-C-100	M9002-06-R-100	M9001-06-C-100	M9001-06-R-100
	Customized	M9002-06-C-XXX	M9002-06-R-XXX	M9001-06-C-XXX	M9001-06-R-XXX
7	1m	M9002-07-C-100	M9002-07-R-100	M9001-07-C-100	M9001-07-R-100
	Customized	M9002-07-C-XXX	M9002-07-R-XXX	M9001-07-C-XXX	M9001-07-R-XXX
8	1m	M9002-08-C-100	M9002-08-R-100	M9001-08-C-100	M9001-08-R-100
	Customized	M9002-08-C-XXX	M9002-08-R-XXX	M9001-08-C-XXX	M9001-08-R-XXX

M9 Single-ended Cable, Angled



Specification

Number of positions	2	3	4	5	6	7	8
Insert arrangement (Female)							
Insert arrangement (Male)							
Rated current	4A	4A	3A	3A	1A	1A	1A
Rated voltage	125V	125V	125V	125V	125V	125V	125V
Wire gauge	24AWG 0.25mm ²				26AWG 0.14mm ²		
Insulation resistance	≥100MΩ						
Contact resistance	≤3mΩ						
Temperature range	-25 C ~ +80 C						
Protection rating	IP67 (Mated)						
Over-molding material	PVC/TPU						
Screw nut material	Brass, Nickel Plated						
Insulation material	PA66+GF						
Contact termination	Solder Cup						
Contact material	Brass, Gold Plated						
Cable material	PVC/PUR/Customized						
Cable Colour	Black/Customized						
Seal	NBR, Black						
Shielding	Unshielded/Shielded						

Part Number

Number of positions	Cable Length	Female		Male	
		PVC	PUR	PVC	PUR
2	1m	M9004-02-C-100	M9004-02-R-100	M9003-02-C-100	M9003-02-R-100
	Customized	M9004-02-C-XXX	M9004-02-R-XXX	M9003-02-C-XXX	M9003-02-R-XXX
3	1m	M9004-03-C-100	M9004-03-R-100	M9003-03-C-100	M9003-03-R-100
	Customized	M9004-03-C-XXX	M9004-03-R-XXX	M9003-03-C-XXX	M9003-03-R-XXX
4	1m	M9004-04-C-100	M9004-04-R-100	M9003-04-C-100	M9003-04-R-100
	Customized	M9004-04-C-XXX	M9004-04-R-XXX	M9003-04-C-XXX	M9003-04-R-XXX
5	1m	M9004-05-C-100	M9004-05-R-100	M9003-05-C-100	M9003-05-R-100
	Customized	M9004-05-C-XXX	M9004-05-R-XXX	M9003-05-C-XXX	M9003-05-R-XXX
6	1m	M9004-06-C-100	M9004-06-R-100	M9003-06-C-100	M9003-06-R-100
	Customized	M9004-06-C-XXX	M9004-06-R-XXX	M9003-06-C-XXX	M9003-06-R-XXX
7	1m	M9004-07-C-100	M9004-07-R-100	M9003-07-C-100	M9003-07-R-100
	Customized	M9004-07-C-XXX	M9004-07-R-XXX	M9003-07-C-XXX	M9003-07-R-XXX
8	1m	M9004-08-C-100	M9004-08-R-100	M9003-08-C-100	M9003-08-R-100
	Customized	M9004-08-C-XXX	M9004-08-R-XXX	M9003-08-C-XXX	M9003-08-R-XXX