



PRODUCTS CATALOG

Professional Circular Connector Manufacturer
Cable Assembly Solutions Experts



RAYMO ELECTRONICS TECHNOLOGY LIMITED

About "RAYMO"

RAYMO ELECTRONICSTECHNOLOGYLIMITED, here in after referred to asthe " RAYMO",as a **Creative customer-oriented** manufacturer located in Shenzhen, focusing on manufacturing connectors and cable assemblies to serve over 75 countries and regions since 2010.

With professional R&D and excellent craftsmanship, ourfactory has the ability of providing customer with much more precision connectors and cable harness solutionsto meet customer's demand in this fields.

RAYMO has already established anintegrated quality control system from R&D, SupplyChain, Marketing, Sales, after-sales serviceto meet customerdeeperdemand, and expect to achieve Raymo's globalization strategy.

More than 3, 000 types connectors

Aimed on providing customer with suitable higher-qualified connectors and cable assemblies, ourfactory has already designedand developed over3,000 types ofconnectorsand 1,000 kinds of OEM cable assemblies based on customerreal needssince theestablishment.

Applications

RAYMO connectors and cable assemblies have been found to be widely usedin the areas oftelecommunication, electronics, medical equipments, Aviation,Audio-video, Petroleum,motor and powerindustries, electrical signalconnection,IC control systems,test and measurement instruments, etc.

Our Missions

Design and develop more precision and suitable push pull connectors and cable assemblies for all humanity and the world
Provide better living conditions for employees

Certificates

CE,RoHS,ISO:9001-2015,SGS,REACH



Building



Office



R&D



Production Department



Cable Warehouse



Warehouse



CNC Department



Over-Mold Department

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RM-F Series

Metal Waterproof Push Pull Self-locking Connector

- Secure high performance push pull self-locking system
- Sealed up to IP68 and hermetic
- 3 codes alignment key and polarized keying system to avoid cross-interface
- 360°EMC shielded
- High pin density contributing to equipment miniaturization
- Robust and shock resistant designs
- Functional in a wide temperature range from -50°C to +250°C
- Available solder, PCB and right angle PCB contact



RM-F Series

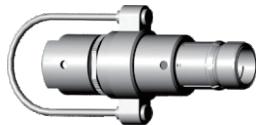
Plugs



S/SC



SS/SSC



FS7



WSO



SFE/SFU

Receptacles



D



DEE/DEU



DBP



DBPC



DBPE/DBPU



DBPLE/DBPLU



DBEE/DBEU



FG8



FGX



FGD



FGS



KE/K

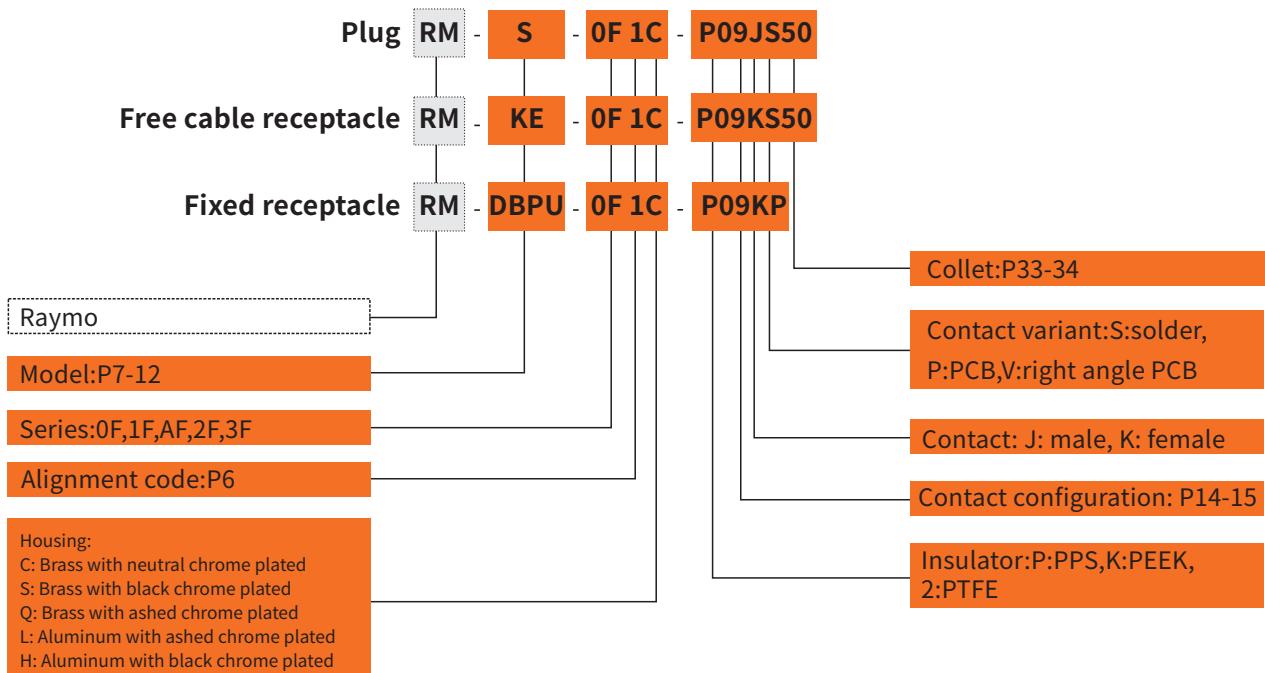


KSE/KS



PGX

Part Numbering System



Part No.Example

Straight plug with cable collet

RM-S-OF1C-P09.S50Z straight plug, OF series, code 1, multipole 9 contacts, outer shell in natural chrome-plated brass, PPS insulator, male solder contacts, collet for 4.2-5.2mm diameter cable with a black colour bend relief, IP68.

Free cable mount receptacle

RM-KE-OF1C-P09KS50 free cable receptacle ,OF series, code 1 multipole 9 contacts, outer shell in natural chrome-plated brass, PPS insulator, female solder contacts, collet for 4.2-5.2 mm diameter cable ,IP68.

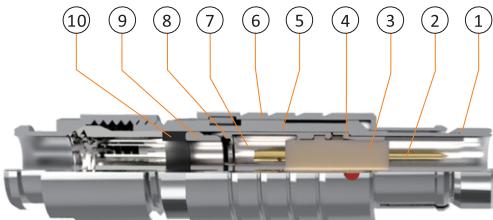
Fixed receptacle

RM-DBPU-OF1C-P09KP fixed receptacle, nut fixing, OF series, code 1, multipole 9 contacts,outer shell in natural chrome-plated brass, PPS insulator, female PCB contacts,IP68.

Part Section Showing Internal Components

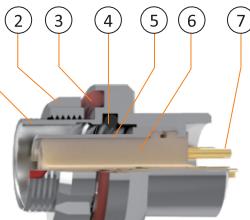
Cable Mount Plug

- ① Conical Sleeve
- ② Male contact
- ③ Insulator
- ④ Fixed spacer
- ⑤ Latch sleeve
- ⑥ Outer shell
- ⑦ Split insert carrier A/B
- ⑧ Snap spring
- ⑨ EMI ring
- ⑩ O-ring



Fixed Receptacle

- ① outer shell
- ② Hexagonal nut
- ③ Outer o-ring
- ④ Inner o-ring
- ⑤ Fixed spacer
- ⑥ Insulator
- ⑦ Female contact



Technical Characteristics

Mechanical and Climatical

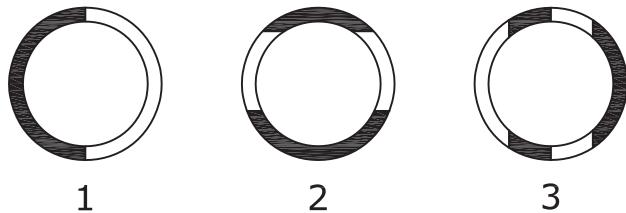
| Characteristics | Value | Standard |
|---------------------------|-------------------|----------------------|
| Endurance | >5000cycles | IEC60512-5test9a |
| Humidity | Up to 95% at 60°C | |
| Temperature range | -55°C,+250°C | |
| Resistance to vibration | 10-2000Hz,15g | IEC 60512-4 test 6d |
| Shock resistance | 100g,6ms | IEC 60512-4 test 6c |
| Salt spray corrosion test | >96hrs | IEC 60512-6 test 11f |
| Protection index (mated) | IP68 | IEC 60529 |
| Climatical category | 55/175/21 | IEC 60068-1 |

Electrical

| Characteristics | Value | Standard |
|----------------------|-----------|----------|
| Shielding efficiency | at 10 MHZ | >95 dB |
| | at 1 GHz | >80 dB |

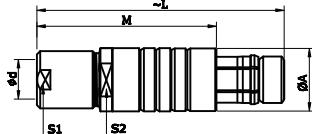
Code Options

Code 1 is standard, if for other codes, please specify.





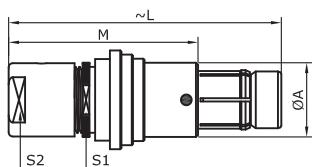
RM-S/SC Cable Mount Plug



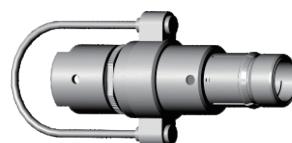
| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|----|------|------------------|--------------|----|----|
| Model | Series | A | M | L | d _{max} | | S1 | S2 |
| | | | | | shielded clamp | sealed clamp | | |
| RM-S/SC | 0F | 9.4 | 26 | 37.2 | 4.7 | 4.3 | 8 | 8 |
| RM-S/SC | 1F | 12 | 34 | 45 | 6.7 | 6.2 | 9 | 9 |
| RM-S/SC | AF | 13 | 36 | 46 | 7.2 | 6.7 | 12 | 11 |
| RM-S/SC | 2F | 15 | 36 | 48 | 8.7 | 8.7 | 13 | 13 |



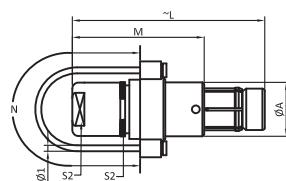
RM-SS/SSC Cable Mount Short Plug



| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|----|----|------------------|--------------|------|----|
| Model | Series | A | L | M | d _{max} | | S1 | S2 |
| | | | | | shielded clamp | sealed clamp | | |
| RM-SS/SSC | 0F | 9 | 33 | 23 | 4.7 | 4.3 | 8 | 7 |
| RM-SS/SSC | 1F | 12 | 37 | 26 | 6.7 | 6.2 | 11 | 12 |
| RM-SS/SSC | AF | 12.3 | 40 | 30 | 7.2 | 6.7 | 11.5 | 12 |
| RM-SS/SSC | 2F | 15 | 43 | 31 | 8.7 | 8.7 | 13 | 13 |



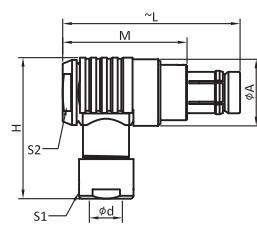
RM-FS7 Cable Mount Plug with lanyard



| Reference | | Dimensions(mm) | | | | | | | |
|-----------|--------|----------------|----|----|-----|------------------|--------------|------|----|
| Model | Series | A | L | M | N | d _{max} | | S1 | S2 |
| | | | | | | shielded clamp | sealed clamp | | |
| RM-FS7 | 0F | 9 | 33 | 23 | 60 | 4.7 | 4.3 | 8 | 8 |
| RM-FS7 | 1F | 12 | 37 | 26 | 80 | 6.7 | 6.2 | 11 | 12 |
| RM-FS7 | AF | 12.3 | 40 | 30 | 80 | 7.2 | 6.7 | 11.5 | 12 |
| RM-FS7 | 2F | 15 | 43 | 31 | 100 | 8.7 | 8.7 | 13 | 13 |



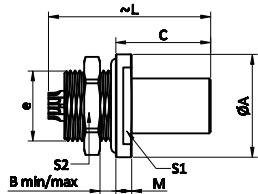
RM-WSO Elbow Right-angle Cable Mount Plug



| Reference | | Dimensions(mm) | | | | | | | |
|-----------|--------|----------------|----|------|----|------------------|--------------|----|----|
| Model | Series | A | L | M | H | d _{max} | | S1 | S2 |
| | | | | | | shielded clamp | sealed clamp | | |
| RM-WSO | 0F | 12 | 33 | 23 | 25 | 4.7 | 4.3 | 7 | 8 |
| RM-WSO | 1F | 15 | 38 | 28.7 | 31 | 6.7 | 6.2 | 10 | 11 |
| RM-WSO | AF | 17 | 40 | 30 | 33 | 7.2 | 6.7 | 12 | 12 |
| RM-WSO | 2F | 19 | 45 | 33 | 37 | 8.7 | 8.7 | 13 | 14 |



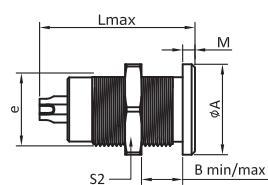
RM-SFE/SFU Fixed Sealed Panel Mount Plug



| Reference | | Dimensions(mm) | | | | | | | |
|------------|--------|----------------|-------|------|---------|------|-----|----|----|
| Model | Series | A | B | C | e | L | M | S1 | S2 |
| RM-SFE/SFU | 0F | 13 | 0/2.5 | 13.0 | M9*0.5 | 21 | 3.0 | 11 | 11 |
| RM-SFE/SFU | 1F | 17 | 0/5.0 | 14.0 | M12*1.0 | 26 | 3.0 | 14 | 14 |
| RM-SFE/SFU | AF | 19 | 0/4.0 | 13.7 | M14*1.0 | 26.5 | 3.7 | 17 | 14 |
| RM-SFE/SFU | 2F | 22 | 0/7.5 | 15.0 | M16*1.0 | 28 | 3.0 | 19 | 19 |



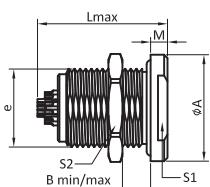
RM-D Panel Mount Receptacle



| Reference | | Dimensions(mm) | | | | | |
|-----------|--------|----------------|------|---------|------|-----|----|
| Model | Series | A | B | e | L | M | S2 |
| RM-D | 0F | 11 | 0/9 | M9*0.5 | 18.9 | 1.5 | 11 |
| RM-D | 1F | 14 | 0/8 | M12*1.0 | 23.9 | 1.5 | 14 |
| RM-D | AF | 16 | 0/10 | M14*1.0 | 23.3 | 2 | 17 |
| RM-D | 2F | 19 | 0/11 | M15*1.0 | 25.8 | 2.2 | 17 |



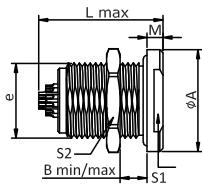
RM-DEE Hermetic Panel Mount Receptacle, Nut fixing



| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|------|---------|------|-----|----|----|
| Model | Series | A | B | e | L | M | S1 | S2 |
| RM-DEE | 0F | 14 | 8/10 | M9*0.5 | 20 | 2.5 | 11 | 11 |
| RM-DEE | 1F | 18 | 0/12 | M14*1.0 | 23.9 | 3.0 | 14 | 17 |
| RM-DEE | AF | 19 | 0/12 | M14*1.0 | 23.3 | 3.0 | 15 | 17 |
| RM-DEE | 2F | 20 | 0/13 | M16*1.0 | 25.8 | 4.0 | 17 | 19 |



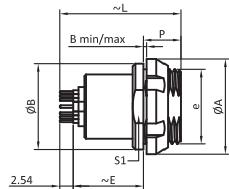
RM-DEU Sealed Panel Mount Receptacle, Nut fixing



| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|------|---------|------|-----|----|----|
| Model | Series | A | B | e | L | M | S1 | S2 |
| RM-DEU | 0F | 14 | 8/10 | M9*0.5 | 20 | 2.5 | 11 | 11 |
| RM-DEU | 1F | 18 | 0/12 | M14*1.0 | 23.9 | 3.0 | 14 | 17 |
| RM-DEU | AF | 19 | 0/12 | M14*1.0 | 23.3 | 3.0 | 15 | 17 |
| RM-DEU | 2F | 20 | 0/13 | M16*1.0 | 25.8 | 4.0 | 17 | 19 |



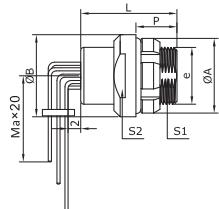
RM-DBP Fixed Panel Mount Receptacle



| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|-------|-----|------|---------|----|----|
| Model | Series | A | B | P | E | e | L | S1 |
| RM-DBP | 0F | 12 | 0/3.5 | 6.5 | 10 | M9*0.5 | 20 | 10 |
| RM-DBP | 1F | 15 | 0/4.0 | 8.0 | 12 | M12*1.0 | 23 | - |
| RM-DBP | AF | 18 | 0/3.0 | 7.0 | 13 | M14*1.0 | 23 | - |
| RM-DBP | 2F | 16 | 0/5.0 | 9.0 | 11.5 | M15*1.0 | 26 | - |



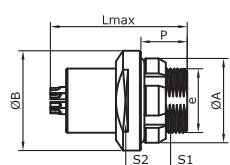
RM-DBPC Panel Mount Receptacle, in elbow 90° pcb type



| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|----|---------|------|-----|------|----|
| Model | Series | A | B | e | L | P | S1 | S2 |
| RM-DBPC | 0F | 12 | 14 | M9*0.5 | 19.2 | 6.5 | 8.2 | 11 |
| RM-DBPC | 1F | 18 | 18 | M14*1.0 | 24.8 | 8 | 12.5 | 15 |
| RM-DBPC | AF | 18 | 19 | M14*1.0 | 23.1 | 7 | 12 | 15 |
| RM-DBPC | 2F | 20.8 | 21 | M16*1.0 | 24.2 | 8 | 14.3 | 16 |



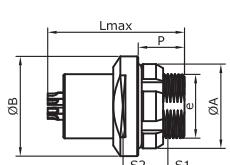
RM-DBPE Hermetic Panel Mount Receptacle



| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|----|---------|------|-----|------|----|
| Model | Series | A | B | e | L | P | S1 | S2 |
| RM-DBPE | 0F | 12 | 14 | M9*0.5 | 19.2 | 6.5 | 8.2 | 11 |
| RM-DBPE | 1F | 18 | 18 | M14*1.0 | 24.8 | 8 | 12.5 | 15 |
| RM-DBPE | AF | 18 | 19 | M14*1.0 | 23.1 | 7 | 12 | 15 |
| RM-DBPE | 2F | 20.8 | 21 | M14*1.0 | 24.2 | 8 | 14.3 | 16 |



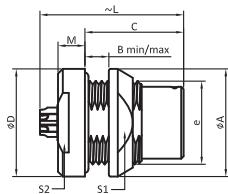
RM-DBPU Sealed Panel Mount Receptacle



| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|----|---------|------|-----|------|----|
| Model | Series | A | B | e | L | P | S1 | S2 |
| RM-DBPU | 0F | 12 | 14 | M9*0.5 | 19.2 | 6.5 | 8.2 | 11 |
| RM-DBPU | 1F | 18 | 18 | M14*1.0 | 24.8 | 8 | 12.5 | 15 |
| RM-DBPU | AF | 18 | 19 | M14*1.0 | 23.1 | 7 | 12 | 15 |
| RM-DBPU | 2F | 20.8 | 21 | M14*1.0 | 24.2 | 8 | 14.3 | 16 |



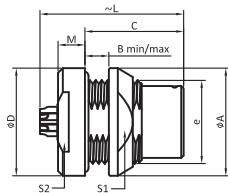
RM-DBPLE Fixed Front Hermetic Mount Receptacle



| Reference | | Dimensions(mm) | | | | | | | | |
|-----------|--------|----------------|-------|------|---------|----|----|-----|----|----|
| Model | Series | A | B | C | e | L | D | M | S1 | S2 |
| RM-DBPLE | OF | 13 | 0/4.5 | 10 | M10*0.5 | 17 | 14 | 3.5 | 11 | 11 |
| RM-DBPLE | 1F | 28 | 0/5.0 | 17.5 | M14*1.0 | 24 | 18 | 4.5 | 15 | 15 |
| RM-DBPLE | AF | 20 | 0/5.5 | 16.5 | M15*1.0 | 23 | 19 | 4.5 | 17 | 15 |
| RM-DBPLE | 2F | 20 | 0/6.5 | 17 | M16*1.0 | 27 | 22 | 5.0 | 17 | 17 |



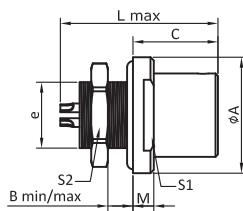
RM-DBPLU Fixed Sealed Front Mount Receptacle



| Reference | | Dimensions(mm) | | | | | | | | |
|-----------|--------|----------------|-------|------|---------|----|----|-----|----|----|
| Model | Series | A | B | C | e | L | D | M | S1 | S2 |
| RM-DBPLU | OF | 13 | 0/4.5 | 10 | M10*0.5 | 17 | 14 | 3.5 | 11 | 11 |
| RM-DBPLU | 1F | 28 | 0/5.0 | 17.5 | M14*1.0 | 24 | 18 | 4.5 | 15 | 15 |
| RM-DBPLU | AF | 20 | 0/5.5 | 16.5 | M15*1.0 | 23 | 19 | 4.5 | 17 | 15 |
| RM-DBPLU | 2F | 20 | 0/6.5 | 17 | M16*1.0 | 27 | 22 | 5.0 | 17 | 17 |



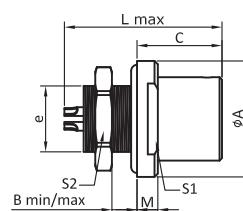
RM-DBEE Front Hermetic Panel Mount Receptacle



| Reference | | Dimensions(mm) | | | | | | | |
|-----------|--------|----------------|-------|------|---------|------|-----|----|----|
| Model | Series | A | B | C | e | L | M | S1 | S2 |
| RM-DBEE | OF | 13.9 | 0/3.5 | 10.0 | M9*0.5 | 20 | 2.5 | 11 | 11 |
| RM-DBEE | 1F | 17.8 | 0/4.0 | 13.0 | M14*1.0 | 23.9 | 3.0 | 14 | 17 |
| RM-DBEE | AF | 19 | 0/4.0 | 12.0 | M14*1.0 | 23.3 | 3.0 | 15 | 14 |
| RM-DBEE | 2F | 21.8 | 0/3.5 | 15.0 | M16*1.0 | 25.8 | 3.0 | 17 | 19 |



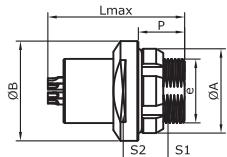
RM-DBEU sealed Front Panel Mount Receptacle



| Reference | | Dimensions(mm) | | | | | | | |
|-----------|--------|----------------|-------|------|---------|------|-----|----|----|
| Model | Series | A | B | C | e | L | M | S1 | S2 |
| RM-DBEU | OF | 11 | 0/3.5 | 10.2 | M9*0.5 | 20 | 2.5 | 11 | 11 |
| RM-DBEU | 1F | 14 | 0/4.0 | 13.0 | M14*1.0 | 23.9 | 3.0 | 14 | 14 |
| RM-DBEU | AF | 19 | 0/4.0 | 12.0 | M14*1.0 | 23.3 | 3.0 | 15 | 14 |
| RM-DBEU | 2F | 21.8 | 0/3.5 | 16.0 | M16*1.0 | 25.8 | 4.0 | 17 | 19 |



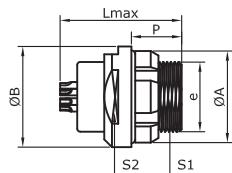
RM-FG8 Sealed Panel Mount Receptacle



| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|----|--------|------|-----|-----|----|
| Model | Series | A | B | e | L | P | S1 | S2 |
| RM-FG8 | 0F | 12 | 14 | M9*0.5 | 19.2 | 6.5 | 8.2 | 11 |



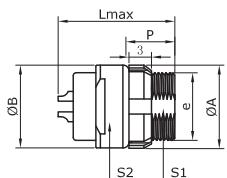
RM-FGX Sealed Panel Mount Receptacle only for 0F series



| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|----|--------|------|-----|-----|----|
| Model | Series | A | B | e | L | P | S1 | S2 |
| RM-FGX | 0F | 12 | 13 | M9*0.5 | 15.7 | 6.5 | 8.2 | 11 |



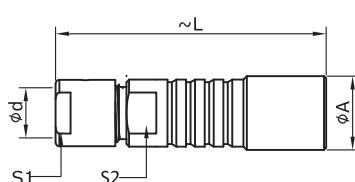
RM-FGD Panel Mount Receptacle, nut fixing



| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|----|--------|------|-----|-----|----|
| Model | Series | A | B | e | L | M | S1 | S2 |
| RM-FGD | 0F | 12 | 12 | M9*0.5 | 15.7 | 6.5 | 8.2 | 11 |



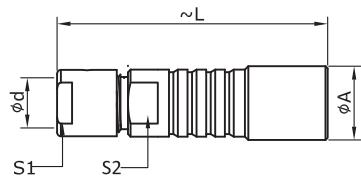
RM-KE Sealed Cable Mount Receptacle



| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|----|--|-----|----|----|--|
| Model | Series | A | L | ^{d max} shielded clamp sealed clamp | S1 | S2 | | |
| RM-KE | 0F | 10 | 36 | 4.7 | 4.3 | 7 | 7 | |
| RM-KE | 1F | 13 | 43 | 6.7 | 6.2 | 10 | 10 | |
| RM-KE | AF | 13.5 | 45 | 7.2 | 6.7 | 12 | 11 | |
| RM-KE | 2F | 16 | 48 | 8.7 | 8.7 | 13 | 12 | |



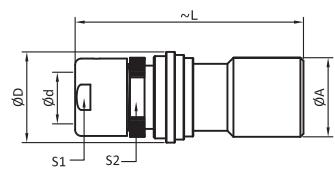
RM-K Cable Mount Receptacle



| Reference | | Dimensions(mm) | | | | | |
|-----------|--------|----------------|----|----------------|--------------|----|----|
| Model | Series | A | L | d max | | S1 | S2 |
| | | | | shielded clamp | sealed clamp | | |
| RM-K | 0F | 10 | 36 | 4.7 | 4.3 | 7 | 7 |
| RM-K | 1F | 13 | 43 | 6.7 | 6.2 | 10 | 10 |
| RM-K | AF | 13.5 | 45 | 7.2 | 6.7 | 12 | 11 |
| RM-K | 2F | 16 | 48 | 8.7 | 8.7 | 13 | 12 |



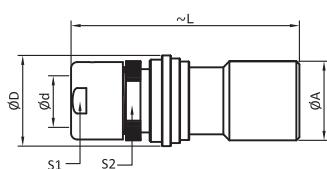
RM-KSE Short Sealed Cable Mount Receptacle



| Reference | | Dimensions(mm) | | | | | |
|-----------|--------|----------------|----|----|-------|------|----|
| Model | Series | A | L | M | d max | S1 | S2 |
| RM-KSE | 0F | 10 | 32 | 23 | 3.8 | 8 | 8 |
| RM-KSE | 1F | 13 | 37 | 26 | 6.0 | 11 | 12 |
| RM-KSE | AF | 13.5 | 36 | 30 | 6.2 | 11.5 | 12 |
| RM-KSE | 2F | 16 | 45 | 31 | 8.0 | 13 | 13 |



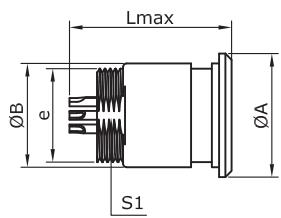
RM-KS Short Cable Mount Receptacle



| Reference | | Dimensions(mm) | | | | | |
|-----------|--------|----------------|----|----|-------|------|----|
| Model | Series | A | L | M | d max | S1 | S2 |
| RM-KS | 0F | 10 | 32 | 23 | 3.8 | 8 | 8 |
| RM-KS | 1F | 13 | 37 | 26 | 6.0 | 11 | 12 |
| RM-KS | AF | 13.5 | 36 | 30 | 6.2 | 11.5 | 12 |
| RM-KS | 2F | 16 | 45 | 31 | 8.0 | 13 | 13 |

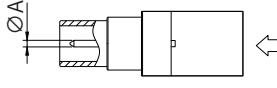


RM-PGX Cable Mount Receptacle only used by overmoulding



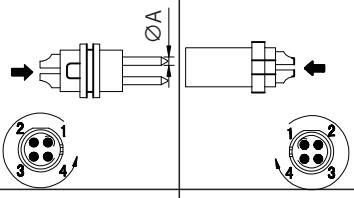
| Reference | | Dimensions(mm) | | | | |
|-----------|--------|----------------|----|---------|------|-----|
| Model | Series | A | B | e | L | S1 |
| RM-PGX | 0F | 12 | 10 | M9*0.5 | 15.5 | 8.2 |
| RM-PGX | 1F | 16 | 14 | M12*0.6 | 24.8 | 9.0 |
| RM-PGX | AF | 16 | 14 | M12*0.6 | 23.1 | 10 |
| RM-PGX | 2F | 18 | 16 | M14*0.6 | 24.2 | 12 |

Insulator Configuration

| | |  | | Code | Ohm(Ω) | Contact diameter | Contact No. | Contact max.diameter | Insert max.diameter | Voltage standing-wave ratio VSWR(F=GHz) | Test voltage(kv/rms) | Current rate(A) |
|----|---|---|-----|------|-----------------|------------------|-------------|----------------------|---------------------|---|----------------------|-----------------|
| 0F |  |  | 250 | 50 | 0.9 | 50 | 0.95 | 2.95 | $1.09 +0.11f$ | 3.0 | 6 | |
| | | | 275 | 75 | 0.7 | 75 | 1.05 | 3.95 | $1.02 +0.25f$ | 2.4 | 3 | |
| 1F |  |  | 250 | 50 | 1.6 | 50 | 1.35 | 3.95 | $1.01 +0.23f$ | 3.0 | 12 | |
| | | | 275 | 75 | 1.3 | 75 | 1.05 | 3.95 | $1.02 +0.08f$ | 2.4 | 10 | |
| 2F |  |  | 250 | 50 | 2.0 | 50 | 1.75 | 5.95 | $1.01 +0.95f$ | 3.0 | 15 | |
| | | | 275 | 75 | 1.6 | 75 | 1.35 | 5.95 | $1.02 +0.03f$ | 1.5 | 12 | |

- First choice alternative
- Special order alternative

Insulator Configuration

| | |  | Code | Contact No. | $\varnothing A (MM)$ | Solder contact | PCB straight contact | PCB elbow contact | Test voltage(contact -shell) kV AC-rms | Test voltage(contact -contact) kV AC-rms | Rated current /A |
|----|---|---|------|-------------|----------------------|----------------|----------------------|-------------------|--|--|------------------|
| OF |  |  | P02 | 2 | 0.9 | ● | ● | ● | 1.30 | 1.05 | 9.2 |
| |  |  | P03 | 3 | 0.9 | ● | ● | ● | 1.20 | 0.90 | 8.2 |
| |  |  | P04 | 4 | 0.7 | ● | ● | ● | 0.85 | 0.70 | 5.5 |
| |  |  | P05 | 5 | 0.7 | ● | ● | ● | 1.00 | 0.70 | 5.2 |
| |  |  | P07 | 7 | 0.5 | ● | ● | ● | 0.80 | 0.70 | 2.0 |
| |  |  | P09 | 9 | 0.5 | ● | ● | ● | 0.60 | 0.50 | 1.7 |
| 1F |  |  | P02 | 2 | 1.3 | ● | ● | ● | 1.50 | 1.35 | 13.0 |
| |  |  | P03 | 3 | 1.3 | ● | ● | ● | 1.30 | 1.55 | 12.0 |
| |  |  | P04 | 4 | 0.9 | ● | ● | ● | 1.35 | 1.45 | 7.0 |
| |  |  | P05 | 5 | 0.9 | ● | ● | ● | 1.25 | 1.15 | 6.8 |
| |  |  | P06 | 6 | 0.7 | ● | ● | ● | 1.05 | 1.20 | 5.2 |
| |  |  | P07 | 7 | 0.7 | ● | ● | ● | 0.95 | 1.05 | 5.0 |
| |  |  | P08 | 8 | 0.7 | ● | ● | ● | 0.95 | 1.15 | 3.8 |
| |  |  | P10 | 10 | 0.5 | ● | ● | ● | 0.90 | 1.50 | 2.5 |
| |  |  | P12 | 12 | 0.5 | ● | ● | ● | 0.80 | 1.20 | 2.0 |
| |  |  | P14 | 14 | 0.5 | ● | ● | ● | 0.80 | 1.20 | 2.0 |
| |  |  | P16 | 16 | 0.5 | ● | ● | ● | 0.80 | 1.25 | 1.5 |

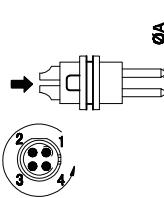
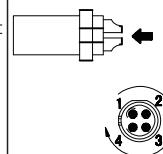
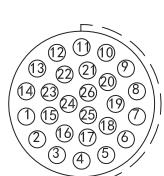
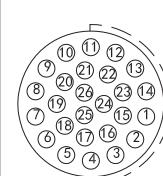
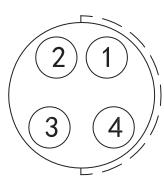
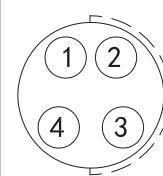
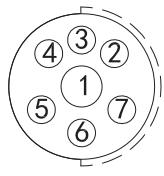
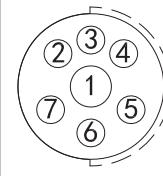
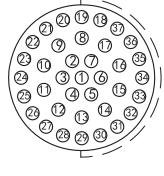
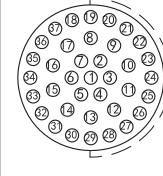
- First choice alternative
- Special order alternative

Insulator Configuration

| | | | Code | Contact No. | ØA(MM) | Solder contact | PCB straight contact | PCB elbow contact | Test voltage(contact -shell) k/v AC-rms | Test voltage(contact -contact) k/v AC-rms | Rated current/A |
|----|--|--|------|-------------|------------|----------------|----------------------|-------------------|---|---|-----------------|
| AF | | | P10 | 10 | 0.7 | ● | ● | ● | 1.40 | 1.50 | 4.5 |
| | | | P12 | 12 | 0.7 | ● | ● | ● | 1.40 | 1.50 | 3.0 |
| | | | P15 | 2 13 | 1.3 0.5 | ● | ● | ● | 1.50 1.20 | 1.35 0.90 | 12.0 2.5 |
| | | | P19 | 19 | 0.5 | ● | ● | ● | 1.20 | 0.90 | 2.5 |
| 2F | | | P02 | 2 | 1.6 | ● | ● | ● | 1.80 | 2.20 | 20.0 |
| | | | P03 | 3 | 1.6 | ● | ● | ● | 1.60 | 2.00 | 18.0 |
| | | | P04 | 4 | 1.3 | ● | ● | ● | 1.80 | 2.20 | 12.0 |
| | | | P06 | 6 | 0.9 | ● | ● | ● | 1.70 | 2.00 | 6.5 |
| | | | P08 | 8 | 0.9 | ● | ● | ● | 1.50 | 1.50 | 6.2 |
| | | | P09 | 1 8 | 1.3 0.9 | ●● | ●● | ●● | 2.40 1.40 | 2.20 1.50 | 12.0 6.0 |
| | | | P16 | 16 | 0.7 | ● | ● | ● | 1.00 | 1.50 | 4.0 |
| | | | P19 | 19 | 0.7 | ● | ● | ● | 0.80 | 1.20 | 3.5 |

● First choice alternative

○ Special order alternative

| |  |  | Code | Contact No. | ØA(MM) | Solder contact | PCB straight contact | PCB elbow contact | Test voltage(contact -shell) k/v AC-rms | Test voltage(contact -contact) k/v AC-rms | Rated current /A |
|-----|---|---|------|-------------|--------|----------------|----------------------|-------------------|---|---|------------------|
| 2F |  |  | P26 | 26 | 0.5 | ● | ○ | ○ | 0.75 | 1.1 | 1.0 |
| 3F |  |  | P04 | 4 | 2.0 | ● | ○ | ○ | 1.8 | 2.6 | 20.0 |
| P07 |  |  | P07 | 1 | 2.0 | ● | ○ | ○ | 2.0 | 3.0 | 25.0 |
| | | | | 6 | 1.3 | ● | ○ | ○ | 1.5 | 2.0 | 7.0 |
| P37 |  |  | P37 | 27 | 0.5 | ● | ○ | ○ | 0.75 | 1.0 | 1.0 |
| | | | | 10 | 0.7 | ● | ○ | ○ | 0.75 | 1.1 | 2.2 |

- First choice alternative
- Special order alternative



RM-L Series

Metal Waterproof Push Pull Self-locking Connector

- Secure high performance push pull self-locking system
- Sealed up to IP68 and hermetic
- Alignment keys and polarized keying system to avoid cross-interface
- 360°EMC shielded
- High pin density contributing to equipment miniaturization
- Robust and shock resistant designs
- Functional in a wide temperature range from -50°C to +250°C
- Available solder , PCB and right angle PCB contact



RM-L Series

Plugs

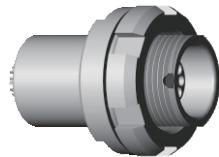


FS2



FSX

Receptacles

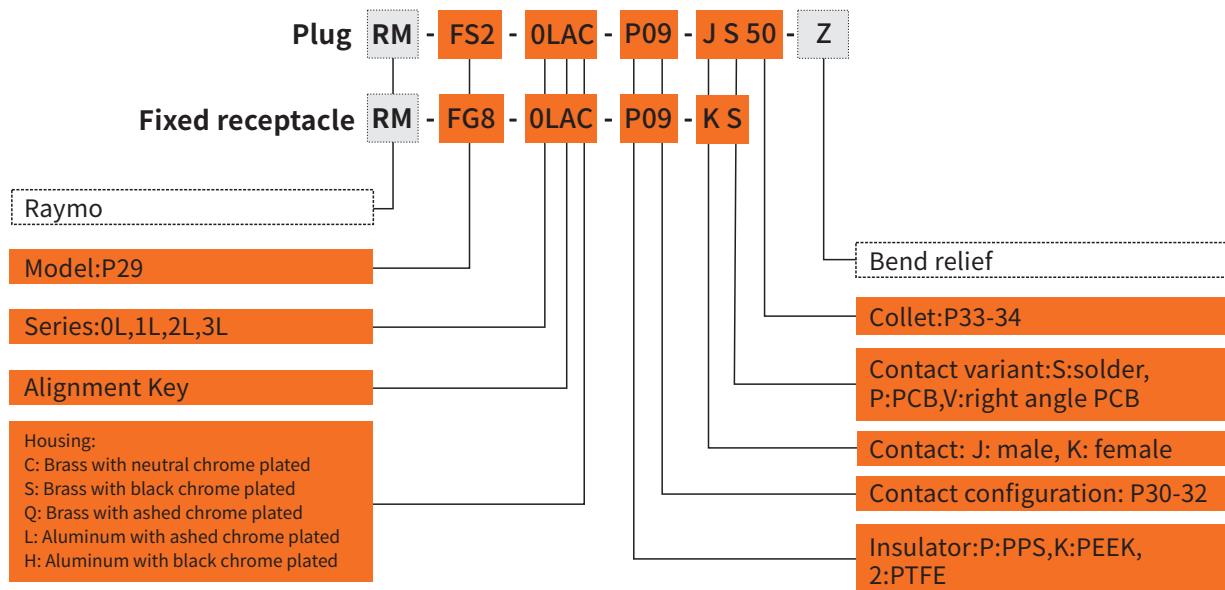


FG8



FGX

Part Numbering System



Part No.Example

Straight plug with cable collet

RM-FS2.0LAC.P09.S50Z straight plug, 0L series, key 2,30 degree , multipole 9 contacts,outshell innatural chrome-plated brass, PPS insulator, male solder contacts,collet for 4.2-5.2mm diameter cable,IP68.

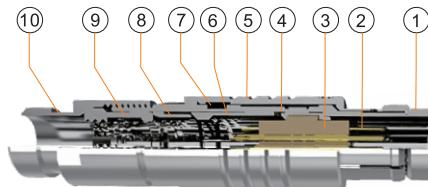
Fixed receptacle

RM-FG8-0LAC-P08KS fixed receptacle, 0L series, key 2,30 degree, , multipoles 8pin, outer shell in natural chrome-plated brass, PPS insulator, female solder contacts,IP68.

Part Section Showing Internal Components

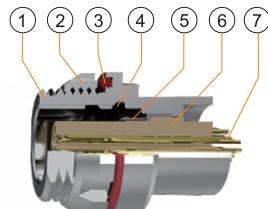
Cable Mount Plug

- ① conial Sleeve
- ② Male contact
- ③ Insulator
- ④ Latch sleeve
- ⑤ Outer shell
- ⑥ Split insert carrier A/B
- ⑦ Snap Spring
- ⑧ Earthing ring
- ⑨ Cable collet
- ⑩ Collet nut



Fixed Receptacle

- ① Outer shell
- ② Hexagonal nut
- ③ Outer o-ring
- ④ Inner o-ring
- ⑤ Retainingring
- ⑥ Insulator
- ⑦ Female contact



Technical Characteristics

Mechanical and Climatical

| Characteristics | Value | Standard |
|---------------------------|-------------------|----------------------|
| Endurance | >5000cycles | IEC60512-5test9a |
| Humidity | Up to 95% at 60°C | |
| Temperature range | -55°C,+250°C | |
| Resistance to vibration | 10-2000Hz,15g | IEC 60512-4 test 6d |
| Shock resistance | 100g,6ms | IEC 60512-4 test 6c |
| Salt spray corrosion test | >96h | IEC 60512-6 test 11f |
| Protection index (mated) | IP68 | IEC 60529 |
| Climatical category | 55/175/21 | IEC 60068-1 |

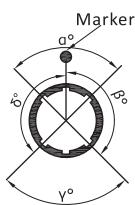
Electrical

| Characteristics | | Value | Standard |
|----------------------|-----------|--------|---------------|
| Shielding efficiency | at 10 MHZ | >95 dB | IEC 60619-1-3 |
| | at 1 GHz | >80 dB | IEC 60619-1-3 |

Alignment key and Polarized Keys(RM-L series)

RM-L series connector model type are composed of five letters
The last letter indicated the key position and the contact type(male or female)

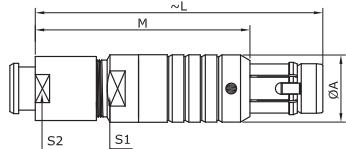
Front view of receptacle



| Code | Keys No. | Angles | Series | | | Contact Type | |
|------|----------|----------|--------|------|-------|--------------|------------|
| | | | 0L | 1L | 2L | Plug | Receptacle |
| 0 | 1 | α | 0° | 0° | 0° | Male | Female |
| A | 2 | | 30° | 30° | 30° | Male | Female |
| B | 2 | | - | - | 37.5° | Male | Female |
| C | 2 | | - | - | 45° | Male | Female |
| F | 2 | | 60° | 60° | 60° | Male | Female |
| H | 2 | | - | - | 75° | Male | Female |
| J | 2 | | 90° | 90° | - | Male | Female |
| C | 2 | γ | 45° | 45° | - | Male | Female |
| M | 2 | δ | - | - | 100° | Male | Female |
| T | 2 | | - | - | 125° | Male | Female |
| V | 2 | | - | 135° | - | Male | Female |
| Q | 2 | β | - | 120° | 120° | | |
| W | 2 | | - | - | 145° | | |
| Y | 2 | | 155° | 155° | - | | |



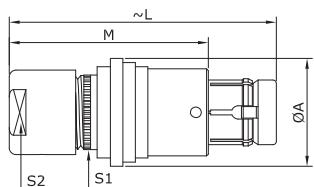
RM-FS2 Cable mount plug



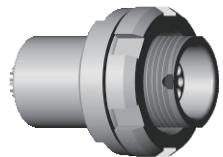
| Reference | | Dimensions(mm) | | | | |
|-----------|--------|----------------|----|----|----|----|
| Model | Series | A | L | M | S1 | S2 |
| RM-FS2 | 0L | 9.4 | 40 | 30 | 8 | 8 |
| RM-FS2 | 1L | 12 | 49 | 38 | 10 | 10 |
| RM-FS2 | 2L | 15 | 53 | 40 | 16 | 15 |



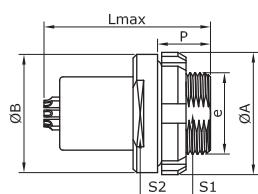
RM-FSX Straight plug, self-latching, IP68



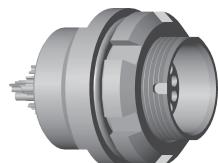
| Reference | | Dimensions(mm) | | | | |
|-----------|--------|----------------|------|----|----|----|
| Model | Series | A | L | M | S1 | S2 |
| RM-FSX | XL | 13 | 33.5 | 24 | 9 | 8 |



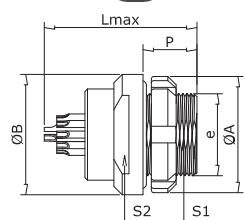
RM-FG8 Fixed receptacle, back panel mounting



| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|------|---------|------|-----|------|----|
| Model | Series | A | B | e | L | P | S1 | S2 |
| RM-FG8 | 0L | 15 | 14.5 | M14*1.0 | 20.5 | 6.5 | 9 | 12 |
| RM-FG8 | 1L | 18 | 18 | M14*1.0 | 26 | 8 | 12 | 15 |
| RM-FG8 | 2L | 21 | 21 | M16*1.0 | 29 | 6 | 14.4 | 16 |

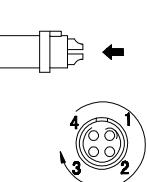
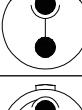
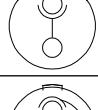
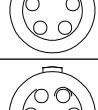
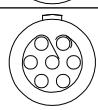
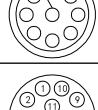
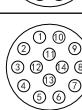
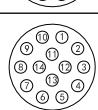
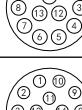
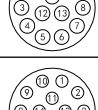
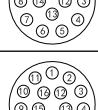
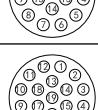
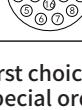
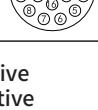


RM-FGX Straight plug, self-latching, IP68



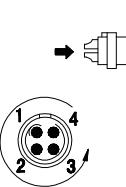
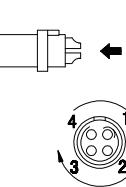
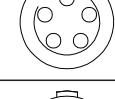
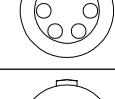
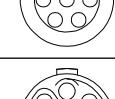
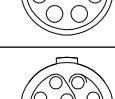
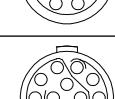
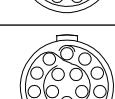
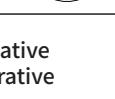
| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|------|---------|------|-----|-----|----|
| Model | Series | A | B | e | L | P | S1 | S2 |
| RM-FGX | XL | 14 | 14.5 | M10*0.5 | 18.5 | 6.5 | 9.3 | 11 |

Insulator Configuration

| | | solder male contact | solder female contact | Insulator | Contact No. | $\varnothing A(MM)$ | Contact type | | | Test voltage(contact -shell)kV ACrms | Test voltage(contact -contact)kV ACrms | Rated current/A |
|----|--|---|---|-----------|-------------|---------------------|----------------|----------------------|-------------------|--------------------------------------|--|-----------------|
| | | | | | | | Solder contact | PCB straight contact | PCB elbow contact | | | |
| OL | |  |  | P02 | 2 | 0.9 | ● | ● | ● | 1.30 | 1.05 | 10.0 |
| | |  |  | P03 | 3 | 0.9 | ● | ● | ● | 1.20 | 0.90 | 8.0 |
| | |  |  | P04 | 4 | 0.7 | ● | ● | ● | 0.85 | 0.70 | 7.0 |
| | |  |  | P05 | 5 | 0.7 | ● | ● | ● | 1.00 | 0.70 | 6.5 |
| | |  |  | P06 | 6 | 0.5 | ● | ● | ● | 0.85 | 0.65 | 2.5 |
| | |  |  | P07 | 7 | 0.5 | ● | ● | ● | 0.80 | 0.70 | 2.5 |
| | |  |  | P09 | 9 | 0.5 | ● | ● | ● | 0.60 | 0.50 | 2.0 |
| XL | |  |  | P13 | 13 | 0.5 | ● | ● | ● | 0.80 | 0.65 | 3.0 |
| | |  |  | P14 | 14 | 0.5 | ● | ● | ● | 0.80 | 0.60 | 1.0 |
| | |  |  | P16 | 16 | 0.5 | ● | ● | ● | 0.60 | 0.50 | 1.0 |
| | |  |  | P19 | 19 | 0.4 | ● | ● | ● | 0.30 | 0.25 | 1.0 |

- First choice alternative
- Special order alternative

Insulator Configuration

| | | solder male contact | solder female contact | Insulator | Contact No. | $\varnothing A(MM)$ | Contact type | | Test voltage(contact -shell) kV AC-rms | Test voltage(contact -contact) kV AC-rms | Rated current/A | |
|----|--|---|---|-----------|-------------|---------------------|----------------|----------------------|--|--|-----------------|------|
| | | | | | | | Solder contact | PCB straight contact | PCB elbow contact | | | |
| 1L | |  |  | P02 | 2 | 1.3 | ● | ● | ● | 1.50 | 1.35 | 15.0 |
| | |  |  | P03 | 3 | 1.3 | ● | ● | ● | 1.30 | 1.55 | 12.0 |
| | |  |  | P04 | 4 | 0.9 | ● | ● | ● | 1.35 | 1.45 | 10.0 |
| | |  |  | P05 | 5 | 0.9 | ● | ● | ● | 1.25 | 1.15 | 9.0 |
| | |  |  | P06 | 6 | 0.7 | ● | ● | ● | 1.05 | 1.20 | 7.0 |
| | |  |  | P07 | 7 | 0.7 | ● | ● | ● | 0.95 | 1.05 | 7.0 |
| | |  |  | P08 | 8 | 0.7 | ● | ● | ● | 0.95 | 1.15 | 5.0 |
| | |  |  | P10 | 10 | 0.5 | ● | ● | ● | 0.90 | 1.50 | 2.5 |
| | |  |  | P14 | 14 | 0.5 | ● | ● | ● | 0.80 | 1.20 | 2.0 |
| | |  |  | P16 | 16 | 0.5 | ● | ● | ● | 0.80 | 1.25 | 1.5 |

- First choice alternative
- Special order alternative

Insulator Configuration

| | | solder male contact | solder female contact | Insulator | Contact No. | $\varnothing A(MM)$ | Contact type | | | Test voltage(contact -shell) k/v AC-rms | Test voltage(contact -contact) k/v AC-rms | Rated current /A |
|----|-----|---------------------|-----------------------|-----------|-------------|---------------------|----------------|----------------------|-------------------|---|---|------------------|
| | | | | | | | Solder contact | PCB straight contact | PCB elbow contact | | | |
| 2L | P02 | | | P02 | 2 | 2.0 | ● | ● | ● | 2.10 | 1.75 | 30.0 |
| | P03 | | | | | | ● | ● | ● | | | |
| | P04 | | | | | | ● | ● | ● | | | |
| | P05 | | | | | | ● | ● | ● | | | |
| | P06 | | | | | | ● | ● | ● | | | |
| | P07 | | | | | | ● | ● | ● | | | |
| | P08 | | | | | | ● | ● | ● | | | |
| | P10 | | | | | | ● | ● | ● | | | |
| | P12 | | | | | | ● | ● | ● | | | |
| | P14 | | | | | | ● | ● | ● | | | |
| | P16 | | | | | | ● | ● | ● | | | |
| | P18 | | | | | | ● | ● | ● | | | |
| | P19 | | | | | | ● | ● | ● | | | |
| | P26 | | | | | | ● | ● | ● | | | |

- First choice alternative
- Special order alternative

RM-L series Cable collet (Collet are same with RM-F series)

RM-OF-S



Sheilded Cable Clamp Set

| Cable dia Range | Collet Ø (mm) | Cable Clamp Set | Cable dia Range | Collet Ø (mm) | Cable Clamp Set |
|-----------------|---------------|-----------------|-----------------|---------------|-----------------|
| 1.5 - 2.1 | 2.1 | RM-OF-S-021 | 3.6 - 4.1 | 4.1 | RM-OF-S-041 |
| 2.1 - 2.6 | 2.6 | RM-OF-S-026 | 4.1 - 4.3 | 4.3 | RM-OF-S-043 |
| 2.6 - 3.1 | 3.1 | RM-OF-S-031 | 4.3 - 4.7 | 4.7 | RM-OF-S-047 |
| 3.1 - 3.6 | 3.6 | RM-OF-S-036 | | | |

RM-OF-E



Environmentally Sealed Clamp Set

| Cable dia Range | Collet Ø (mm) | Cable Clamp Set | Cable dia Range | Collet Ø (mm) | Cable Clamp Set |
|-----------------|---------------|-----------------|-----------------|---------------|-----------------|
| 1.5 - 2.1 | 2.1 | RM-OF-E-021 | 3.6 - 3.6 | 3.6 | RM-OF-E-036 |
| 2.1 - 2.6 | 2.6 | RM-OF-E-026 | 3.6 - 4.1 | 4.1 | RM-OF-E-041 |
| 2.6 - 3.1 | 3.1 | RM-OF-E-031 | 4.1 - 4.3 | 4.3 | RM-OF-E-043 |

RM-1F-S



Sheilded Cable Clamp Set

| Cable dia Range | Collet Ø (mm) | Cable Clamp Set PPS Insulator | Cable dia Range | Collet Ø (mm) | Cable Clamp Set PPS Insulator |
|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|
| 1.7 - 2.2 | 2.2 | RM-1F-S-022 | 4.2 - 4.7 | 4.7 | RM-1F-S-047 |
| 2.2 - 2.7 | 2.7 | RM-1F-S-027 | 4.7 - 5.2 | 5.2 | RM-1F-S-052 |
| 2.7 - 3.2 | 3.2 | RM-1F-S-032 | 5.2 - 5.7 | 5.7 | RM-1F-S-057 |
| 3.2 - 3.7 | 3.7 | RM-1F-S-037 | 5.7 - 6.2 | 6.2 | RM-1F-S-062 |
| 3.7 - 4.2 | 4.2 | RM-1F-S-042 | 6.2 - 6.7 | 6.7 | RM-1F-S-067 |

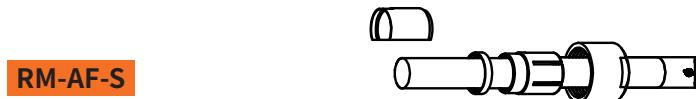
RM-1F-E



Environmentally Sealed Clamp Set

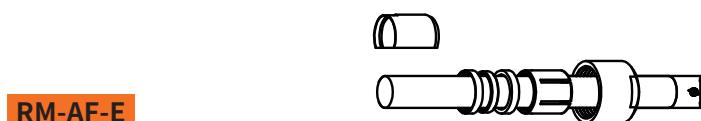
| Cable dia Range | Collet Ø (mm) | Cable Clamp Set PPS Insulator | Cable dia Range | Collet Ø (mm) | Cable Clamp Set PPS Insulator |
|-----------------|---------------|----------------------------------|-----------------|---------------|----------------------------------|
| 1.7 - 2.2 | 2.2 | RM-1F-E-022 | 4.2 - 4.7 | 4.7 | RM-1F-E-047 |
| 2.2 - 2.7 | 2.7 | RM-1F-E-027 | 4.7 - 5.2 | 5.2 | RM-1F-E-052 |
| 2.7 - 3.2 | 3.2 | RM-1F-E-032 | 5.2 - 5.7 | 5.7 | RM-1F-E-057 |
| 3.2 - 3.7 | 3.7 | RM-1F-E-037 | 5.7 - 6.2 | 6.2 | RM-1F-E-062 |
| 3.7 - 4.2 | 4.2 | RM-1F-E-042 | | | |

RM-L series Cable collet (Collet are same with RM-F series)



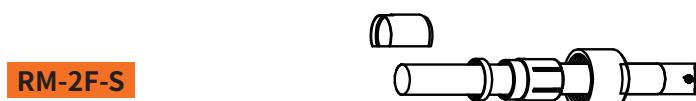
Sheilded Cable Clamp Set

| Cable dia Range | Collet Ø (mm) | Cable Clamp Set | Cable dia Range | Collet Ø (mm) | Cable Clamp Set |
|-----------------|---------------|-----------------|-----------------|---------------|-----------------|
| 2.2 - 2.7 | 2.7 | RM-AF-S-027 | 4.7 - 5.2 | 4.7 | RM-AF-S-052 |
| 2.7 - 3.2 | 3.2 | RM-AF-S-032 | 5.2 - 5.7 | 5.7 | RM-AF-S-057 |
| 3.2 - 3.7 | 3.7 | RM-AF-S-037 | 5.7 - 6.2 | 6.2 | RM-AF-S-062 |
| 3.7 - 4.2 | 4.2 | RM-AF-S-042 | 6.2 - 6.7 | 6.7 | RM-AF-S-067 |
| 4.2 - 4.7 | 4.7 | RM-AF-S-047 | 6.7 - 7.2 | 7.2 | RM-AF-S-072 |



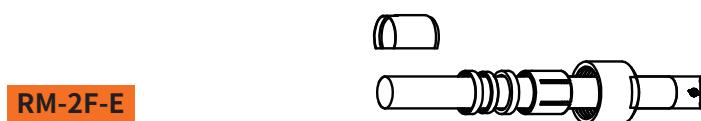
Environmentally Sealed Clamp Set

| Cable dia Range | Collet Ø (mm) | Cable Clamp Set | Cable dia Range | Collet Ø (mm) | Cable Clamp Set |
|-----------------|---------------|-----------------|-----------------|---------------|-----------------|
| 2.2 - 2.7 | 2.7 | RM-AF-E-027 | 4.7 - 5.2 | 4.7 | RM-AF-E-052 |
| 2.7 - 3.2 | 3.2 | RM-AF-E-032 | 5.2 - 5.7 | 5.7 | RM-AF-E-057 |
| 3.2 - 3.7 | 3.7 | RM-AF-E-037 | 5.7 - 6.2 | 6.2 | RM-AF-E-062 |
| 3.7 - 4.2 | 4.2 | RM-AF-E-042 | 6.2 - 6.7 | 6.7 | RM-AF-E-067 |
| 4.2 - 4.7 | 4.7 | RM-AF-E-047 | | | |



Sheilded Cable Clamp Set

| Cable dia Range | Collet Ø (mm) | Cable Clamp Set | Cable dia Range | Collet Ø (mm) | Cable Clamp Set |
|-----------------|---------------|-----------------|-----------------|---------------|-----------------|
| 2.9 - 4.0 | 4.0 | RM-2F-S-040 | 6.7 - 7.7 | 7.7 | RM-2F-S-077 |
| 4.0 - 4.7 | 4.7 | RM-2F-S-047 | 7.7 - 8.7 | 8.7 | RM-2F-S-087 |
| 4.7 - 5.7 | 5.7 | RM-2F-S-057 | 8.7 - 9.1 | 9.1 | RM-2F-S-091 |
| 5.7 - 6.7 | 6.7 | RM-2F-S-067 | | | |



Environtentially Sealed Clamp Set

| Cable dia Range | Collet Ø (mm) | Cable Clamp Set PPS Insulator | Cable dia Range | Collet Ø (mm) | Cable Clamp Set PPS Insulator |
|-----------------|---------------|-------------------------------|-----------------|---------------|-------------------------------|
| 2.9 - 4.0 | 4.0 | RM-2F-E-040 | 5.7 - 6.7 | 6.7 | RM-2F-E-067 |
| 4.0 - 4.7 | 4.7 | RM-2F-E-047 | 6.7 - 7.7 | 7.7 | RM-2F-E-077 |
| 4.7 - 5.7 | 5.7 | RM-2F-E-057 | 7.7 - 8.7 | 8.7 | RM-2F-E-087 |



RM-U Series

Metal Waterproof Push Pull Self-locking Connector

U series has same insulator and contact configuration as F series:

- Secure high performance push pull self-locking system
- Compact design and light weight construction
- Sealed up to IP68 and hermetic
- 3 codes atignment keys system to avoid cross-interface
- 360°EMC shielded
- High pin density contributing to equipment miniaturization
- Robust and shock resistant designs
- Available solder, PCB and right angle PCB contact



RM-U Series

Plugs



FSX

Receptacles



FG3



FGK

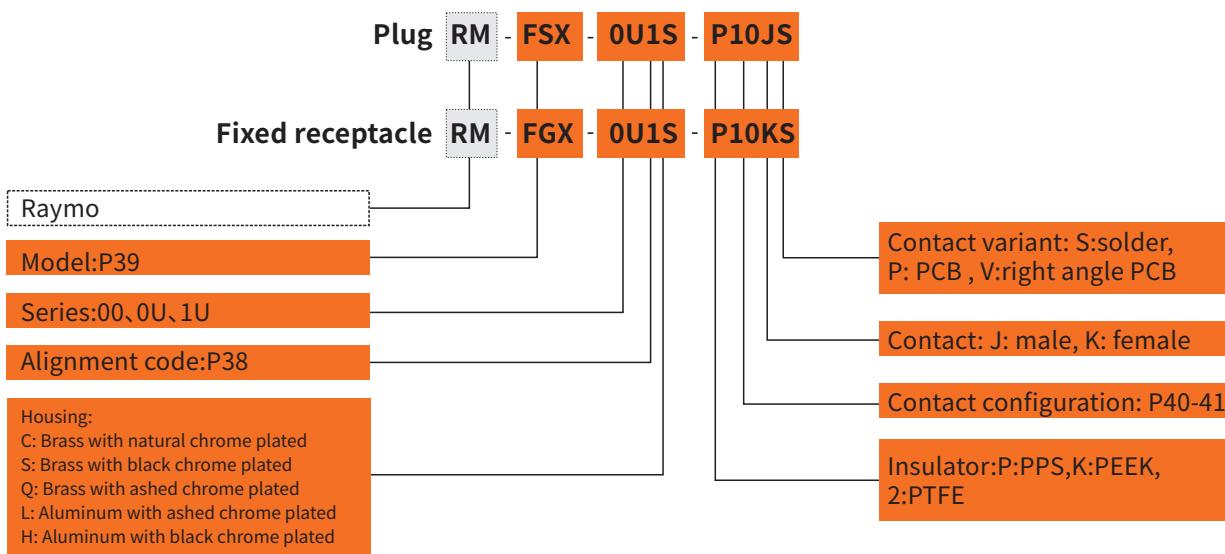


FGX



PGX

Part Numbering System



Part No.Example

Straight plug with cable collet

RM-FSX-0U1S-P10JS straight plug, 0U series, code 1, multipole 10 contacts, outer shell in black chrome-plated brass, PPS insulator, male solder contacts, IP68.

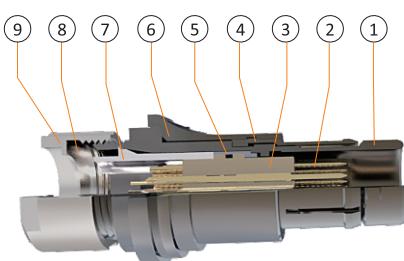
Fixed receptacle

RM-FGX-0U2C-P10KS fixed receptacle, 0U series, code 2, multipole 10 contacts, outer shell in natural chrome-plated brass, PPS insulator, female solder contacts, IP68.

Part Section Showing Internal Components

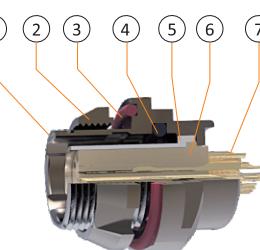
Cable Mount Plug

- ① Inner shell
- ② Male contact
- ③ Insulator
- ④ Latch sleeve
- ⑤ Fixed spacer
- ⑥ Outer shell
- ⑦ Cable collet
- ⑧ EMI spacer
- ⑨ Collet nut



Fixed Receptacle

- ① Outer shell
- ② Hexagonal nut
- ③ Outer o-ring
- ④ Inner o-ring
- ⑤ Fixed spacer
- ⑥ Insulator
- ⑦ Female contact



Technical Characteristics

Mechanical and Climatical

| Characteristics | Value | Standard |
|---------------------------|-------------------|----------------------|
| Endurance | >5000cycles | IEC60512-5test9a |
| Humidity | Up to 95% at 60°C | |
| Temperature range | -55°C,+250°C | |
| Resistance to vibration | 10-2000Hz,15g | IEC 60512-4 test 6d |
| Shock resistance | 100g,6ms | IEC 60512-4 test 6c |
| Salt spray corrosion test | >96h | IEC 60512-6 test 11f |
| Protection index (mated) | IP68 | IEC 60529 |
| Climatical category | 55/175/21 | IEC 60068-1 |

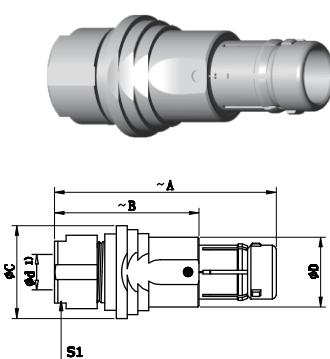
Electrical

| Characteristics | Value | Standard |
|----------------------|-----------|----------|
| Shielding efficiency | at 10 MHZ | >65 dB |
| | at 1 GHz | >45 dB |

Alignment key

| 0U | Code | 1 | 2 | 3 | 4 | 5 |
|----|-----------------|---|---|---|---|---|
| | Guide mark | • | ▼ | ■ | * | * |
| | Plug front view | | | | | |

| 1U | Code | 1 | 2 | 3 | 4 |
|----|-----------------|---|---|---|---|
| | Guide mark | • | ▼ | ■ | * |
| | Plug front view | | | | |

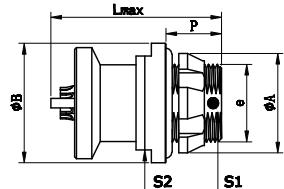


RM-FSX straight plug

| Reference | | Dimensions(mm) | | | | | |
|-----------|--------|----------------|------|------|-----|-----------------------|----|
| Model | Series | A | B | C | D | $\varnothing d_{max}$ | S1 |
| RM-FSX | 00 | 26.4 | 18.4 | 10.4 | 7.4 | 3.5 | / |
| RM-FSX | 0U | 28.7 | 18.7 | 12 | 9 | 4.5 | 8 |
| RM-FSX | 1U | 37.7 | 26.6 | 15 | 11 | 7 | 12 |



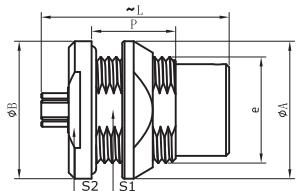
RM-FG3 Sealed Panel Mount Receptacle
with ground tag



| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|----|--------|----|-----|----|----|
| Model | Series | A | B | e | L | P | S1 | S2 |
| RM-FG3 | 0U | 13 | 14 | M9*0.5 | 20 | 6.5 | 11 | 8 |



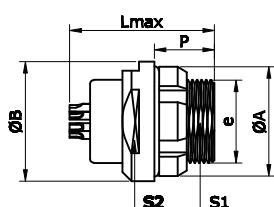
RM-FGK Sealed Panel Mount Receptacle,
Straight PCB contacts



| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|----|---------|------|----|----|----|
| Model | Series | A | B | e | L | P | S1 | S2 |
| RM-FGK | 1U | 18 | 18 | M14*1.5 | 24.6 | 11 | 12 | 15 |



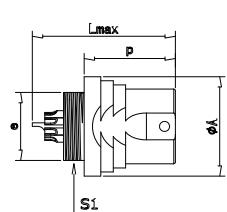
RM-FGX Sealed Panel Mount Receptacle



| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|------|---------|------|-----|------|----|
| Model | Series | A | B | e | L | P | S1 | S2 |
| RM-FGX | 00 | 10 | 10.9 | M7*0.5 | 14.5 | 5 | 6.25 | / |
| RM-FGX | 0U | 12 | 13 | M9*0.5 | 15.7 | 6.5 | 7.9 | 11 |
| RM-FGX | 1U | 16 | 16.4 | M12*1.0 | 21 | 6.5 | 10 | 14 |

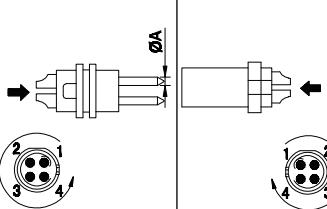
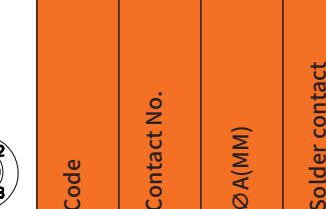
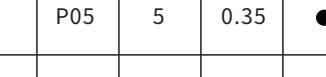
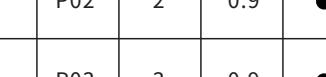
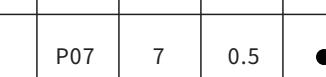
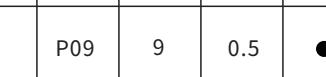
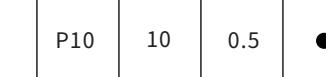
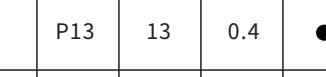
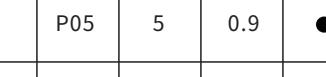
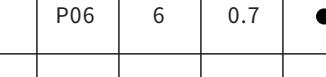
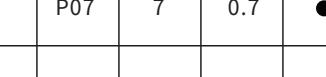
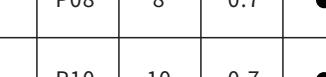
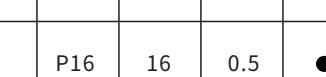
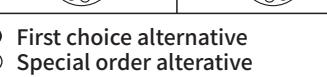
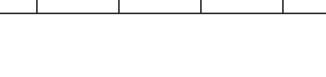


RM-PGX Sealed Free Receptacle



| Reference | | Dimensions(mm) | | | | |
|-----------|--------|----------------|--------|------|------|------|
| Model | Series | A | e | L | P | S1 |
| RM-PGX | 0U | 12 | M9*0.5 | 17.3 | 11 | 8.2 |
| RM-PGX | 00U | 10.4 | M7*0.5 | 16.4 | 11.5 | 6.25 |

Insulator Configuration

| | |  |  | Code | Contact No. | Ø A(MM) | Solder contact | PCB straight contact | PCB elbow contact | Test voltage(contact -shell) k/v AC-rms | Test voltage(contact -contact) k/v AC-rms | Rated current /A |
|----|---|---|---|------|-------------|---------|----------------|----------------------|-------------------|---|---|------------------|
| 00 |  |  | P02 | 2 | 0.5 | ● | ● | ● | 1.00 | 0.95 | 5.0 | |
| |  |  | P03 | 3 | 0.5 | ● | ● | ● | 0.80 | 0.95 | 3.0 | |
| |  |  | P04 | 4 | 0.5 | ● | ● | ● | 0.80 | 0.65 | 2.0 | |
| |  |  | P05 | 5 | 0.35 | ● | ● | ● | 0.70 | 1.00 | 1.5 | |
| |  |  | P07 | 7 | 0.3 | ● | ● | ● | 0.60 | 0.75 | 1.0 | |
| 0U |  |  | P02 | 2 | 0.9 | ● | ● | ● | 1.70 | 1.30 | 9.2 | |
| |  |  | P03 | 3 | 0.9 | ● | ● | ● | 1.30 | 1.30 | 8.2 | |
| |  |  | P04 | 4 | 0.7 | ● | ● | ● | 1.20 | 1.20 | 5.5 | |
| |  |  | P05 | 5 | 0.7 | ● | ● | ● | 1.00 | 0.80 | 5.2 | |
| |  |  | P07 | 7 | 0.5 | ● | ● | ● | 1.00 | 0.80 | 2.0 | |
| |  |  | P09 | 9 | 0.5 | ● | ● | ● | 1.10 | 0.80 | 1.7 | |
| |  |  | P10 | 10 | 0.5 | ● | ● | ● | 0.90 | 0.80 | 1.3 | |
| |  |  | P13 | 13 | 0.4 | ● | ● | ● | 0.40 | 0.40 | 1.5 | |
| 1U |  |  | P05 | 5 | 0.9 | ● | ● | ● | 1.25 | 1.15 | 9.0 | |
| |  |  | P06 | 6 | 0.7 | ● | ● | ● | 1.05 | 1.2 | 7.0 | |
| |  |  | P07 | 7 | 0.7 | ● | ● | ● | 0.95 | 1.05 | 7.0 | |
| |  |  | P08 | 8 | 0.7 | ● | ● | ● | 0.95 | 1.15 | 5.0 | |
| |  |  | P10 | 10 | 0.7 | ● | ● | ● | 0.90 | 1.50 | 2.5 | |
| |  |  | P12 | 12 | 0.5 | ● | ● | ● | 0.80 | 1.2 | 2.0 | |
| |  |  | P16 | 16 | 0.5 | ● | ● | ● | 0.80 | 1.25 | 1.5 | |

- First choice alternative
- Special order alternative



RM-C Series

Advanced Miniature Small and Light Weight Connector

- Secure high performance push pu self-Jocking system
- Compact design and light weight construction
- Sealed up to IP68 and hermefic
- The unique design of the contact core makes it safe and reliable in atl environments
- 5 different alignment keys and Polarized Keying Systers to avoid cross-interface
- Hermetic receptacle structure can be suitable for equipment requiring airtightness
- Robust and shock resistant designs
- 360°EMC shielded
- Available solder, PCB and right angle PCB contact



RM-C Series

Plugs



FSX



FSC

Receptacles

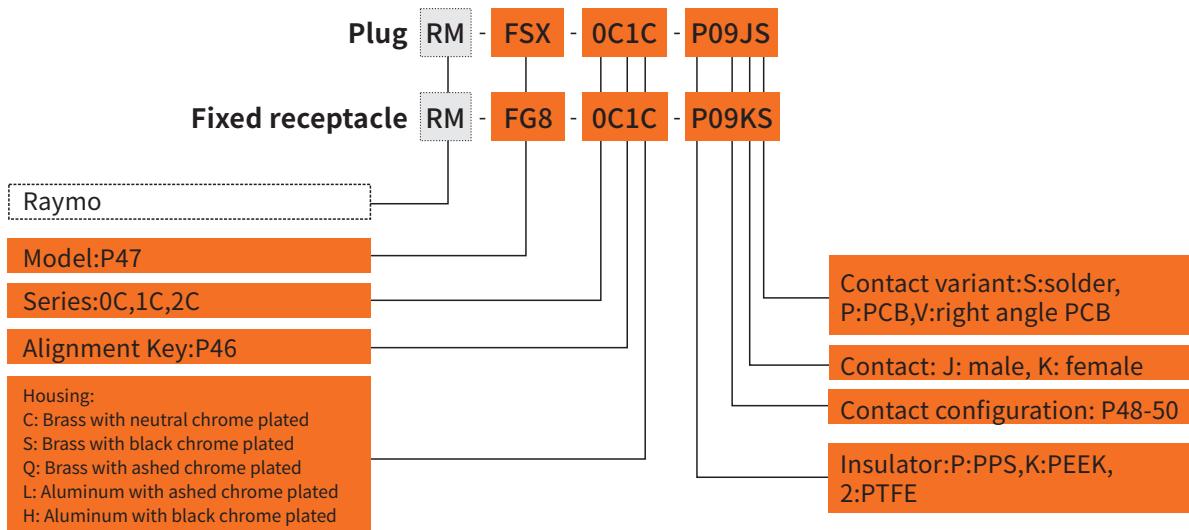


FGK



FG8

Part Numbering System



Part No.Example

Straight plug with cable collet

RM-FSX-0C1C-P09JS straight plug, 0C series, key 1, multipole 9 contacts, outer shell in black chrome-plated brass, PPS insulator, male solder contacts, IP68.

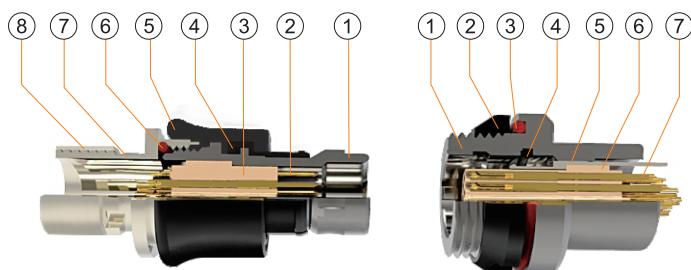
Fixed receptacle

RM-FG8-0C1C-P09KS fixed receptacle, 0C series, key 1, multipole 9 contacts, outer shell in natural chrome-plated brass, PPS insulator, female solder contacts, IP68.

Part Section Showing Internal Components

Cable Mount Plug

- ① Inner shell
- ② Male contact
- ③ Insulator
- ④ Latch sleeve
- ⑤ Outer shell
- ⑥ O-ring
- ⑦ Collet nut
- ⑧ EMI ring



Fixed Receptacle

- ① Outer shell
- ② Hexagonal nut
- ③ Outer o-ring
- ④ Inside o-ring
- ⑤ Fixed spacer
- ⑥ Insulator
- ⑦ Female contact

Technical Characteristics

Mechanical and Climatical

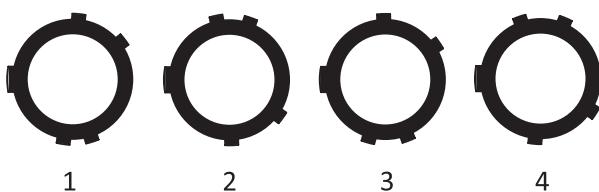
| Characteristics | Value | Standard |
|---------------------------|-------------------|----------------------|
| Endurance | >5000cycles | IEC60512-5test9a |
| Humidity | Up to 95% at 60°C | |
| Temperature range | -55°C,+250°C | |
| Resistance to vibration | 10-2000Hz,15g | IEC 60512-4 test 6d |
| Shock resistance | 100g,6ms | IEC 60512-4 test 6c |
| Salt spray corrosion test | >96h | IEC 60512-6 test 11f |
| Protection index (mated) | IP68 | IEC 60529 |
| Climatical category | 55/175/21 | IEC 60068-1 |

Electrical

| Characteristics | Value | Standard |
|----------------------|-----------|----------|
| Shielding efficiency | at 10 MHZ | >95 dB |
| | at 1 GHz | >80 dB |

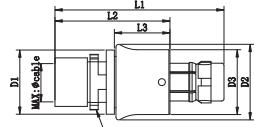
Alignment Key

Key 1 is standard, if you need other keys, please indicated





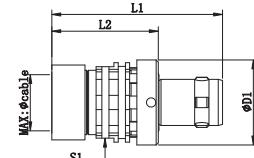
RM-FSX Cable mount plug



| Reference | | Dimensions(mm) | | | | | | | |
|-----------|--------|----------------|------|----|------|------|------|-----|--------------------|
| Model | Series | L1 | L2 | L3 | D1 | D2 | D3 | S1 | max cable diameter |
| RM-FSX | 0C | 31.4 | 21.4 | 23 | 11.9 | 14 | 12 | 6.5 | 6.5 |
| RM-FSX | 1C | 33.2 | 22.4 | 26 | 13.9 | 15.9 | 13.9 | 8 | 8 |
| RM-FSX | AC | 32.7 | 22.7 | 30 | 14.5 | 16.5 | 14.5 | 10 | 10 |
| RM-FSX | 2C | 35.2 | 23.2 | 31 | 17.6 | 19.6 | 17.6 | 12 | 12 |



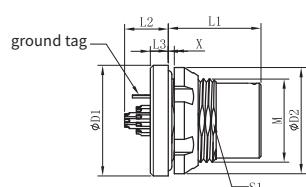
RM-FSC Cable mount plug



| Reference | | Dimensions(mm) | | | | |
|-----------|--------|----------------|------|----|----|--------------------|
| Model | Series | L1 | L2 | D1 | S1 | max cable diameter |
| RM-FSC | 0C | 23.9 | 14.9 | 23 | 10 | 5.0 |
| RM-FSC | 1C | 29.3 | 18.5 | 26 | 11 | 6.5 |
| RM-FSC | AC | 25.8 | 18.5 | 23 | 12 | 8.0 |
| RM-FSC | 2C | 31.0 | 19.0 | 27 | 14 | 10.0 |



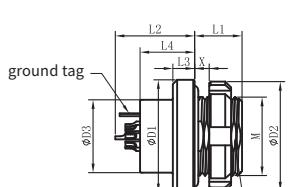
RM-FGK Sealed Panel Mount Receptacle,only can work mated with RM-FSC plug.



| Reference | | Dimensions(mm) | | | | | | | |
|-----------|--------|----------------|-----|-----|---|------|------|----------|------|
| Model | Series | L1 | L2 | L3 | X | D1 | D2 | M | S1 |
| RM-FGK | 0C | 13.0 | 7.5 | 2.5 | 5 | 15.5 | 15.0 | M11*0.75 | 10.1 |
| RM-FGK | 1C | 15.5 | 8.5 | 3.0 | 4 | 18.5 | 17.9 | M14*1.0 | 13.1 |
| RM-FGK | AC | 14.2 | 8.5 | 3.0 | 4 | 18.9 | 17.9 | M14*1.0 | 13.1 |
| RM-FGK | 2C | 17.5 | 9.5 | 3.0 | 4 | 20.8 | 21.9 | M16*1.0 | 15.1 |



RM-FG8 Sealed Panel Mount Receptacle,only can work mated with RM-FSX plug.



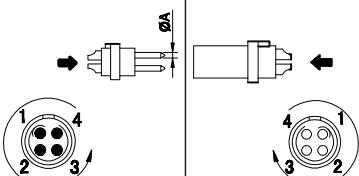
| Reference | | Dimensions(mm) | | | | | | | | | |
|-----------|--------|----------------|------|-----|------|-----|------|------|------|----------|------|
| Model | Series | L1 | L2 | L3 | L4 | X | D1 | D2 | D3 | M | S1 |
| RM-FG8 | 0C | 6.5 | 15.5 | 3.0 | 11.5 | 3.0 | 15.5 | 15.0 | 10.0 | M11*0.75 | 10.1 |
| RM-FG8 | 1C | 8.0 | 19.0 | 4.0 | 14.5 | 3.5 | 18.5 | 17.9 | 12.0 | M14*1.0 | 13.1 |
| RM-FG8 | AC | 7.0 | 17.7 | 2.5 | 12.5 | 3.0 | 18.9 | 17.9 | 14.0 | M14*1.0 | 13.1 |
| RM-FG8 | 2C | 8.0 | 21.5 | 4.0 | 15.0 | 3.0 | 20.8 | 21.9 | 15.0 | M16*1.0 | 15.1 |

Insulator Configuration

| | solder male contact | solder female contact | Insulator | Contact No. | $\varnothing A(MM)$ | Contact type | | | Test voltage(contact -shell) k/v AC-rms | Test voltage(contact -contact) k/v AC-rms | Rated current /A |
|----|---------------------|-----------------------|-----------|-------------|---------------------|----------------|----------------------|-------------------|---|---|------------------|
| | | | | | | Solder contact | PCB straight contact | PCB elbow contact | | | |
| 0C | | | P02 | 2 | 0.9 | ● | ● | ● | 1.30 | 1.05 | 10.0 |
| | | | P03 | 3 | 0.9 | ● | ● | ● | 1.20 | 0.90 | 8.0 |
| | | | P04 | 4 | 0.7 | ● | ● | ● | 0.85 | 0.70 | 7.0 |
| | | | P05 | 5 | 0.7 | ● | ● | ● | 1.00 | 0.70 | 6.5 |
| | | | P06 | 6 | 0.5 | ● | ● | ● | 0.85 | 0.65 | 2.5 |
| | | | P07 | 7 | 0.5 | ● | ● | ● | 0.80 | 0.70 | 2.5 |
| | | | P09 | 9 | 0.5 | ● | ● | ● | 0.60 | 0.50 | 2.0 |
| 1C | | | P02 | 2 | 1.3 | ● | ● | ● | 1.50 | 1.35 | 15.0 |
| | | | P03 | 3 | 1.3 | ● | ● | ● | 1.30 | 1.55 | 12.0 |
| | | | P04 | 4 | 0.9 | ● | ● | ● | 1.35 | 1.45 | 10.0 |
| | | | P05 | 5 | 0.9 | ● | ● | ● | 1.25 | 1.15 | 9.0 |

- First choice alternative
- Special order alternative

Insulator Configuration

| | | | | Insulator | Contact No. | $\varnothing A(MM)$ | Contact type | | | Test voltage(contact -shell) k/v AC-rms | Test voltage(contact -contact) k/v AC-rms | Rated current /A | |
|----|---|---|---|---|-------------|---------------------|----------------|----------------------|-------------------|---|---|------------------|------|
| | | | | | | | Solder contact | PCB straight contact | PCB elbow contact | | | | |
| 1C | solder male contact | solder female contact |  |  | P06 | 6 | 0.7 | ● | ● | ● | 1.05 | 1.20 | 7.0 |
| |  |  |  | | P07 | 7 | 0.7 | ● | ● | ● | 0.95 | 1.05 | 7.0 |
| |  |  |  | | P08 | 8 | 0.7 | ● | ● | ● | 0.95 | 1.15 | 5.0 |
| |  |  |  | | P10 | 10 | 0.5 | ● | ● | ● | 0.90 | 1.50 | 2.5 |
| |  |  |  | | P14 | 14 | 0.5 | ● | ● | ● | 0.80 | 1.20 | 2.0 |
| |  |  |  | | P16 | 16 | 0.5 | ● | ● | ● | 0.80 | 1.25 | 1.5 |
| |  |  |  | | P02 | 2 | 2.0 | ● | ● | ● | 2.10 | 1.75 | 30.0 |
| 2C |  |  |  |  | P03 | 3 | 1.6 | ● | ● | ● | 2.40 | 1.85 | 17.0 |
| |  |  |  | | P04 | 4 | 1.3 | ● | ● | ● | 1.85 | 1.85 | 15.0 |
| |  |  |  | | P05 | 5 | 1.3 | ● | ● | ● | 1.75 | 1.60 | 14.0 |
| |  |  | | | P06 | 6 | 1.3 | ● | ● | ● | 1.35 | 1.45 | 12.0 |
| | | | | | P07 | 7 | 1.3 | ● | ● | ● | 1.75 | 1.60 | 11.0 |

- First choice alternative
- Special order alternative

Insulator Configuration

| | solder male contact | solder female contact | Insulator | Contact No. | $\varnothing A(MM)$ | Contact type | | Test voltage(contact -shell) k/v ACrms | Test voltage(contact -contact) k/v ACrms | Rated current/A |
|----|---------------------|-----------------------|-----------|-------------|---------------------|----------------|----------------------|--|--|-----------------|
| | | | | | | Solder contact | PCB straight contact | | | |
| 2C | | | P08 | 8 | 0.9 | ● | ● | ● | 1.50 | 1.25 |
| | | | P10 | 10 | 0.9 | ● | ● | ● | 1.45 | 1.30 |
| | | | P12 | 12 | 0.7 | ● | ● | ● | 1.25 | 1.35 |
| | | | P14 | 14 | 0.7 | ● | ● | ● | 1.15 | 1.35 |
| | | | P16 | 16 | 0.7 | ● | ● | ● | 0.95 | 1.25 |
| | | | P18 | 18 | 0.7 | ● | ● | ● | 0.85 | 1.20 |
| | | | P19 | 19 | 0.7 | ● | ● | ● | 0.95 | 1.25 |
| | | | P26 | 26 | 0.5 | ● | ● | ● | 0.95 | 1.30 |
| | | | | | | | | | | 2.0 |

- First choice alternative
- Special order alternative



RM-G Series

Advanced Miniature Small and Light Weight Connector

- Secure high performance in quick release system
- Compact design and light weight construction
- Sealed up to IP68 and hermetic
- The unique design of the contact core makes it safe and reliable in all environments
- 5 different alignment keys and Polarized Keying System to avoid cross-interface
- Hermetic receptacle structure can be suitable for equipment requiring airtightness
- Robust and shock resistant designs
- 360°EMC shielded
- Available solder, PCB and right angle PCB contact



RM-G Series

Plugs



FSE

Receptacles

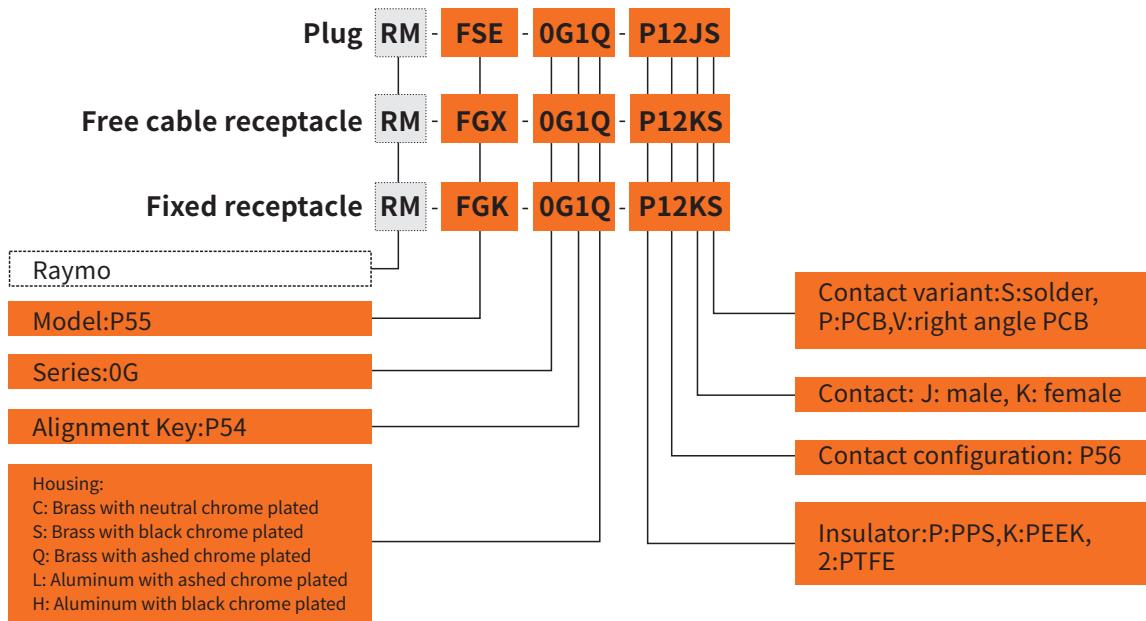


FGK



PGX

Part Numbering System



Part No.Example

Straight plug

RM-FSE-0G1Q-P12JS straight plug, 0G series, key 1, multipole 12 contacts, outer shell in gun chrome-plated brass, PPS insulator, male solder contacts, IP68.

Free receptacle

RM-PGX-0G1Q-P12KS free cable receptacle, 0G series, key 1, multipole 12 contacts, outer shell in gun chrome-plated brass, PPS insulator, female solder contacts, IP68.

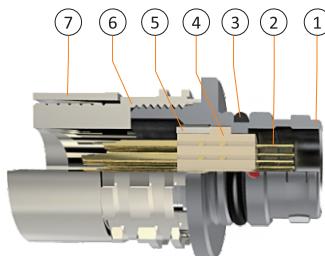
Fixed receptacle

RM-FGK-0G10-P12KS fixed receptacle, 0G series, key 1, outer shell in gun chrome-plated brass, PPS insulator, female solder contacts, IP68.

Part Section Showing Internal Components

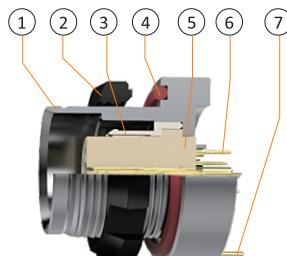
Straight Plug

- ① Outer shell
- ② Male contact
- ③ O-ring
- ④ Insulator
- ⑤ Retaining ring
- ⑥ Collet nut
- ⑦ EMI ring



Fixed Receptacle

- ① Outer shell
- ② Hexagonal nut
- ③ Fixed spacer
- ④ O-ring
- ⑤ Insulator
- ⑥ Female contact
- ⑦ Ground tag



Technical Characteristics

Mechanical and Climatical

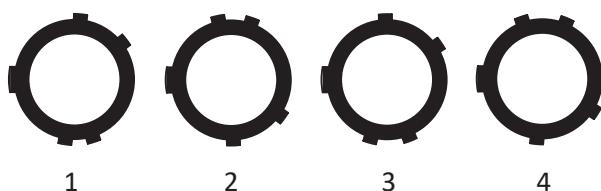
| Characteristics | Value | Standard |
|---------------------------|-------------------|----------------------|
| Endurance | >5000cycles | IEC60512-5test9a |
| Humidity | Up to 95% at 60°C | |
| Temperature range | -55°C,+250°C | |
| Resistance to vibration | 10-2000Hz,15g | IEC 60512-4 test 6d |
| Shock resistance | 100g,6ms | IEC 60512-4 test 6c |
| Salt spray corrosion test | >96hrs | IEC 60512-6 test 11f |
| Protection index (mated) | IP68 | IEC 60529 |
| Climatical category | 55/175/21 | IEC 60068-1 |

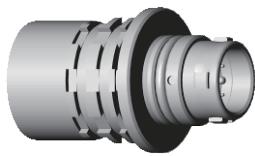
Electrical

| Characteristics | | Value | Standard |
|----------------------|-----------|--------|---------------|
| Shielding efficiency | at 10 MHZ | >65 dB | IEC 60619-1-3 |
| | at 1 GHz | >45 dB | IEC 60619-1-3 |

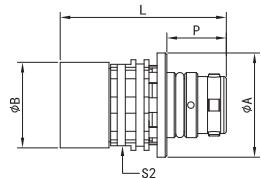
Alignment Key

Key 1 is standard, if you need other keys, please indicated

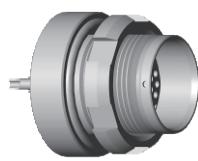




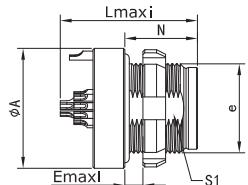
RM-FSE straight plug



| Reference | | Dimensions(mm) | | | | |
|-----------|--------|----------------|------|-----|------|------|
| Model | Series | A | B | P | L | S2 |
| RM-FSE | 0G | 12.8 | 10.5 | 7.3 | 20.4 | 10.0 |



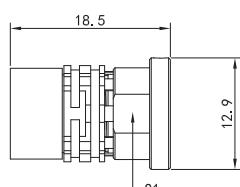
RM-FGK Sealed Back Panel Mount Receptacle
with ground tag



| Reference | | Dimensions(mm) | | | | | |
|-----------|--------|----------------|-----|---------|-----|------|-----|
| Model | Series | A | N | e | E | L | S1 |
| RM-FGK | 0G | 13.2 | 8.0 | M10*0.5 | 3.5 | 15.1 | 9.0 |

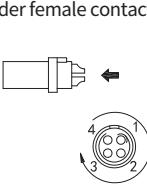
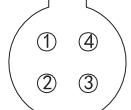
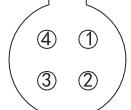
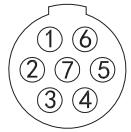
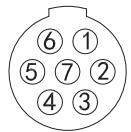
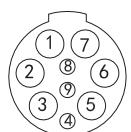
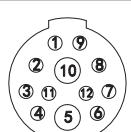
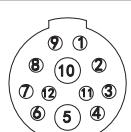
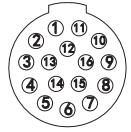
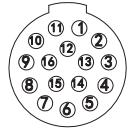


RM-PGX free cable receptacle



| Reference | | Dimensions(mm) | | |
|-----------|--------|----------------|------|-----|
| Model | Series | A | N | S1 |
| RM-PGX | 0G | 12.9 | 18.5 | 9.6 |

Insulator Configuration

| | | solder male contact | solder female contact | Code | Contact No. | $\varnothing A(MM)$ | Solder contact | PCB straight contact | PCB elbow contact | Test voltage(contact-shell) k/v AC-rms | Test voltage(contact-contact) k/v AC-rms | Rated current /A |
|-----|--|---|---|------|-------------|---------------------|----------------|----------------------|-------------------|--|--|------------------|
| 00G | |  |  | P04 | 2 | 2 | ● | ● | ○ | 0.75 | 0.75 | 3.0 |
| | |  |  | | 2 | 2 | ● | ● | ○ | 0.75 | 0.75 | 1.0 |
| 0G | |  |  | P07 | 16 | 0.3 | ● | ● | ○ | 0.75 | 0.75 | 1.0 |
| | |  |  | | 6 | 0.7 | ● | ● | ○ | 0.75 | 0.75 | 5.0 |
| | |  |  | P12 | 2 | 0.7 | ● | ● | ○ | 0.75 | 0.75 | 5.0 |
| | |  |  | | 10 | 0.3 | ● | ● | ○ | 0.75 | 0.75 | 1.0 |

- First choice alternative
- Special order alternative



RM-A Series

Miniature High-speed Data Transmission Connector

- Push pull self-latching system
- Excellent waterproof performance IP68(20m/24h)
- 360° EMC Shielded
- Receptacle with vacuum sealing structure,suitable for sealing equipment
- 4 codes alignment key and polarized keying system to avoid cross-interface



RM-A Series

Plugs



PSX



PSA



PSM

Receptacles



FGK



FGA



FGM



ECG



ECA



ECM



PHX

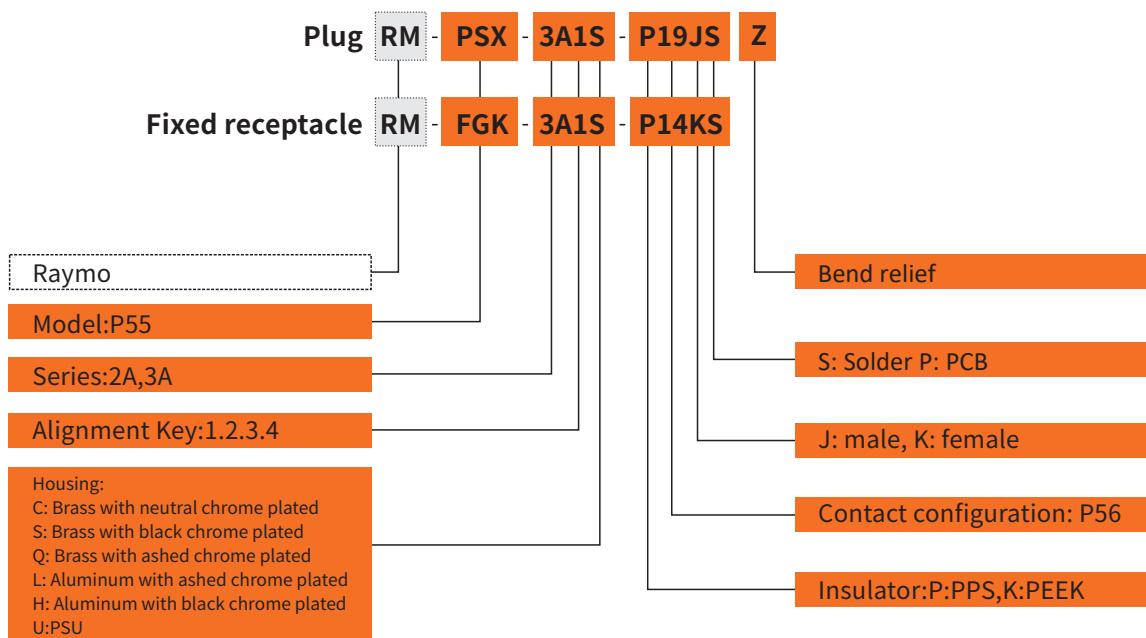


PHA



PHM

Part Numbering System



Part No.Example

Straight plug

RM.PSX.3A1S.P19JSZ=Straight cable mount plug with key(1), 3A series, 19 contacts, outer shell in black chrome-plated brass, PPS insulator, male solder contacts, nut for a black bend relief

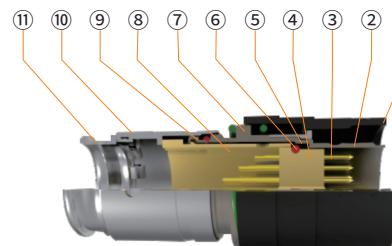
Free receptacle

RM.FGK.3A1S.P19KS=Fixed panel mount receptacle with key (1), 3A series, 19 contacts, outer shell in black chrome-plated brass, PPS insulator, female solder contacts

Part Section Showing Internal Components

Straight Plug

- ① Outer shell
- ② Inner shell
- ③ Male contact
- ④ Insulator
- ⑤ Latch sleeve
- ⑥ Inner O-ring
- ⑦ Spring
- ⑧ Insulator carrier
- ⑨ Back O-ring
- ⑩ Back nut
- ⑪ Bend relief back nut



Fixed Receptacle

- ① Outer shell
- ② Insulation ball
- ③ O-ring
- ④ Retainer ring
- ⑤ Insulator
- ⑥ O-ring
- ⑦ Hexagonal nut
- ⑧ O-ring
- ⑨ Insulator carrier
- ⑩ Female contact

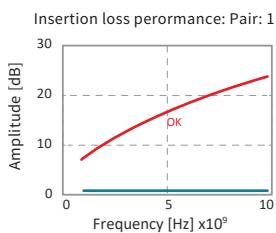
High-speed data transfer

Ethernet 8-PIN



A unique robust and sealed miniature connector for Ethernet applications in harsh environments.

- AWG24, compatible with long range standard Ethernet cables
- Symmetrical hermaphroditic contact block
- 0.5 mm contact

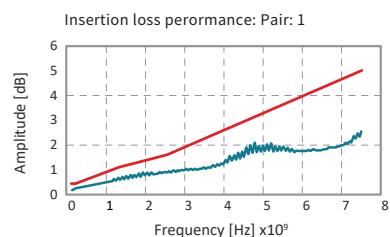


USB 3.0 9-PIN



Optimized design for full USB 3.0 performance. Successfully tested to the full S-parameter standards with cables up to 2m.

- Advanced power contacts
- Hermaphroditic contact block
- 0.5 mm contact



| | | 06-4 pin | 06-12 pin | 08-8 pin | 08-09 pin | 08-19 pin | 08-24 pin | |
|----------------------|--|----------|-----------|----------|-----------|-----------|-----------|---------------------------|
| USB 2.0 | | YES | YES | YES | YES | YES | YES | Full spec up to 2 m cable |
| USB 3.0 | | NO | YES | NO | YES | YES | YES | Application dependent |
| | | NO | NO | No | YES | NO | NO | Full spec up to 2 m cable |
| ETHERNET 10 Gbit/ | | NO | YES | YES | No | YES | YES | Ethernet AWG 28 |
| | | NO | NO | YES | No | NO | NO | Ethernet AWG 24 |
| HDMI | | NO | NO | No | No | YES | YES | HDMI 1.4 |

Technical information

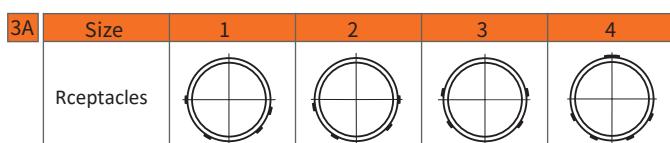
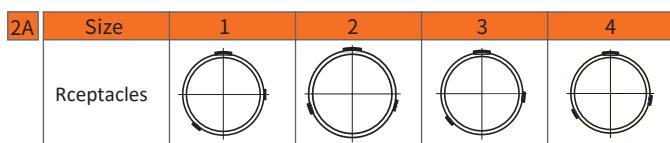
Environmental & Mechanical data

| Characteristic | Performance | Standard |
|--|--|---|
| Sealing performance mated and unmated | IP68, 20m/24h water sealing $<10^6$ mbar. l/sec gas sealing | IEC 60529 IEC 60068-2-17 Test Qk, Method 3 |
| Operating temperature range | -40°C to +135°C | IEC 60512-6-1 IEC 60068-2-14-Nb |
| Corrosion resistance mated | 96h | IEC 60068-2-11 Test Ka; MIL-STD-202 Method 101 ;EIA-364-26 |
| Endurance | 5,000 mating cycles. Preserved mechanical and electrical functionality. Normal wear will appear. | IEC 60512-9-1 |
| Vibration (Screw-locking version only) | 10 to 2,000Hz, 1.5 mm or 15 g, 12 sweep cycles per axis, 20 minutes per 10-2,000-10 Hz sweep cycle, no discontinuity >1 us | MIL-STD-202 G Method 204D Condition |
| Unlocking Force (Quick-release version only) | Size 06 = Typical 25 N \pm 40% Size 08 = Typical 35 N \pm 40% | |
| Shock | 300g | MIL-STD-202 G Method 213 |

Electrical data

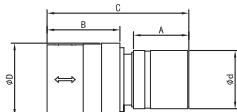
| Characteristic | Performance | Standard |
|-------------------------|--------------------------|------------------------------------|
| Contact resistance | 5mΩ(typical value) | IEC 60512-2-1-2a; IEC 60512-2-2-2b |
| Shell resistance | Anthractite <5mΩ(Cabled) | IEC 60512-2-6-2f |
| | Black <50mΩ(Cabled)IEC | IEC 60512-2-6-2f |
| Insulation resistance | $10^{10}\Omega$ | IEC 60512-3-1-3a |
| Shielding effectiveness | 360° shielded | - |

Mechanical keys(A Series)





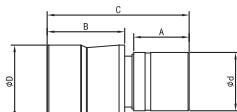
RM-PSX Push pull locking cable mount plug , IP68,
multiples keys



| Reference | | Dimensions(mm) | | | | |
|-----------|--------|-----------------|-----------------|------|------|----|
| Model | Series | $\varnothing d$ | $\varnothing D$ | A | B | C |
| RM-PSX | 2A | 8.5 | 9.9 | 10.1 | 12.8 | 25 |
| RM-PSX | 3A | 10.5 | 12.9 | 10.1 | 12.8 | 25 |



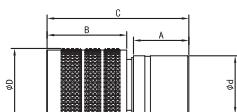
RM-PSA Quick release cable mount plug , IP68,
multiples keys



| Reference | | Dimensions(mm) | | | | |
|-----------|--------|-----------------|-----------------|------|------|----|
| Model | Series | $\varnothing d$ | $\varnothing D$ | A | B | C |
| RM-PSA | 2A | 8.5 | 9.9 | 10.1 | 13.6 | 25 |
| RM-PSA | 3A | 10.5 | 12.9 | 10.1 | 13.6 | 25 |



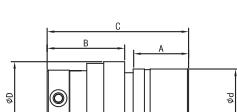
RM-PSM Screw locking cable mount plug , IP68,
multiples keys



| Reference | | Dimensions(mm) | | | | |
|-----------|--------|-----------------|-----------------|------|------|----|
| Model | Series | $\varnothing d$ | $\varnothing D$ | A | B | C |
| RM-PSM | 2A | 8.5 | 9.9 | 10.1 | 14.0 | 25 |
| RM-PSM | 3A | 10.5 | 12.9 | 10.1 | 14.0 | 25 |



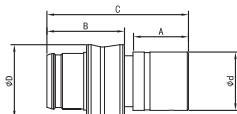
RM-PHX Push pull locking cable receptacle, IP68,
multiples keys



| Reference | | Dimensions(mm) | | | | |
|-----------|--------|-----------------|-----------------|------|------|----|
| Model | Series | $\varnothing d$ | $\varnothing D$ | A | B | C |
| RM-PHX | 2A | 8.5 | 9.9 | 10.1 | 13.7 | 25 |
| RM-PHX | 3A | 10.5 | 11.6 | 10.1 | 13.7 | 25 |



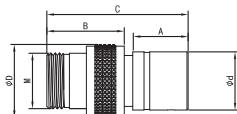
RM-PHA Quick release, cable mount socket, IP68,
multiples keys



| Reference | | Dimensions(mm) | | | | |
|-----------|--------|----------------|------|------|------|----|
| Model | Series | Ød | ØD | A | B | C |
| RM-PHA | 2A | 8.5 | 9.9 | 10.1 | 13.7 | 25 |
| RM-PHA | 3A | 10.5 | 12.9 | 10.1 | 13.7 | 25 |



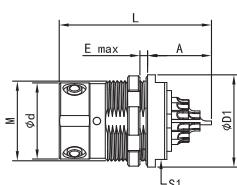
RM-PHM Screw locking, cable mount receptacle,IP68,
multiples keys



| Reference | | Dimensions(mm) | | | | | |
|-----------|--------|----------------|------|------|------|----|-------|
| Model | Series | Ød | ØD | A | B | C | M |
| RM-PHM | 2A | 8.5 | 9.9 | 10.1 | 13.7 | 25 | M8*2 |
| RM-PHM | 3A | 10.5 | 12.9 | 10.1 | 13.7 | 25 | M10*2 |



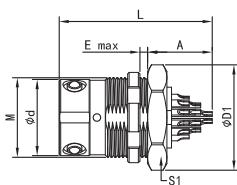
RM-FGK Push pull locking, panel mount receptacle, IP68,
back panel mounting



| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|-----|-----------|-----|------|-------|----|
| Model | Series | Ød | ØD1 | M | A | L | E max | S1 |
| RM-FGK | 2A | 8.0 | 10 | M8.5*0.35 | 7.6 | 19.1 | 3.0 | 8 |
| RM-FGK | 3A | 10.0 | 12 | M10.5*0.5 | 9.1 | 20.6 | 3.0 | 10 |



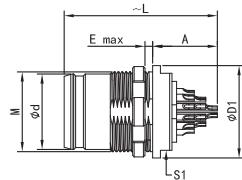
RM-ECG Screw locking, panel mount receptacle, IP68,
back panel mounting



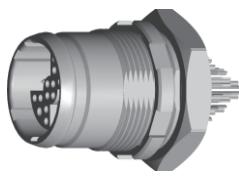
| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|------|-----------|-----|------|-------|----|
| Model | Series | Ød | ØD1 | M | A | L | E max | S1 |
| RM-FGK | 2A | 8.0 | 11.4 | M8.5*0.35 | 7.6 | 19.1 | 3.0 | 10 |
| RM-FGK | 3A | 10.0 | 13.7 | M10.5*0.5 | 9.1 | 20.6 | 3.0 | 12 |



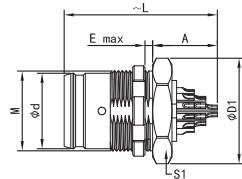
RM-FGA Push pull locking, panel mount receptacle, IP68,
back panel mounting



| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|------|-----------|-----|------|-------|----|
| Model | Series | Ød | ØD1 | M | A | L | E max | S1 |
| RM-FGA | 2A | 7.8 | 10.0 | M8.5*0.35 | 7.6 | 19.1 | 3.0 | 8 |
| RM-FGA | 3A | 9.8 | 12.0 | M10.5*0.5 | 9.1 | 20.6 | 3.0 | 10 |



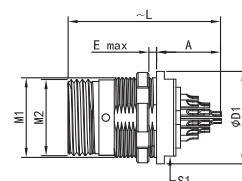
RM-ECA screw locking, panel mount receptacle, IP68,
front or back panel mounting



| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|------|-----------|-----|------|-------|----|
| Model | Series | Ød | ØD1 | M | A | L | E max | S1 |
| RM-ECA | 2A | 7.8 | 11.4 | M8.5*0.35 | 7.6 | 19.1 | 2.3 | 10 |
| RM-ECA | 3A | 9.8 | 13.7 | M10.5*0.5 | 9.1 | 20.6 | 2.3 | 12 |



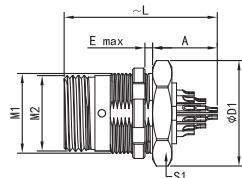
RM-FGM Push pull locking, panel mount receptacle, IP68,
back panel mounting



| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|-----|-----------|-----|------|-------|----|
| Model | Series | Ød | ØD1 | M | A | L | E max | S1 |
| RM-FGM | 2A | 8.0 | 10 | M8.5*0.35 | 7.6 | 19.1 | 3.0 | 8 |
| RM-FGM | 3A | 10.0 | 12 | M10.5*0.5 | 9.1 | 20.6 | 3.0 | 10 |

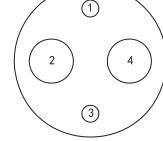
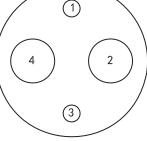
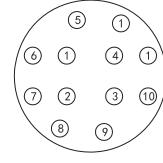
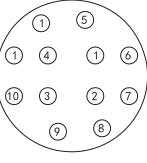
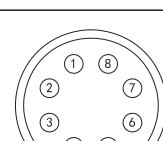
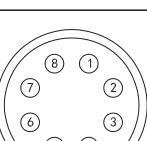
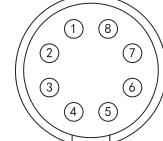
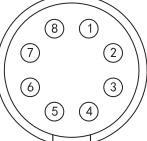
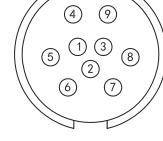
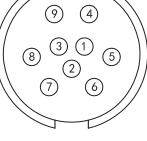
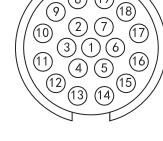
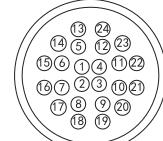
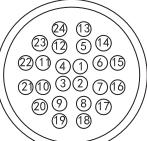


RM-ECM Screw locking, panel mount socket, IP68,
front or backpanel mounting



| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|-----------|-------|-----|------|-------|----|
| Model | Series | ØD1 | M1 | M2 | A | L | E max | S1 |
| RM-ECM | 2A | 11.4 | M8.5*0.35 | M8*2 | 7.6 | 19.1 | 3.0 | 10 |
| RM-ECM | 3A | 13.7 | M10.5*0.5 | M10*2 | 9.1 | 20.6 | 3.0 | 12 |

Insulator Configuration

| | | | Insulator | Contact No. | $\varnothing A(MM)$ | Solder contact | PCB straight contact | PCB elbow contact | Test voltage(contact -shell)k/v AC-rms | Test voltage(contact -contact)k/v AC-rms | Rated current /A |
|----|---|---|-----------|-------------|---------------------|----------------|----------------------|-------------------|--|--|------------------|
| 2A |  |  | P04 | 2 | 0.5 | ● | ● | ○ | 1.20 | 1.90 | 1.0 |
| |  |  | | 2 | 1.3 | | | | | | 10 |
| 3A |  |  | P12 | 10 | 0.5 | ● | ● | ○ | 0.90 | 1.20 | 1.0 |
| |  |  | | 2 | 0.5 | | | | | | 5.0 |
| 3A |  |  | P08 | 8 | 0.5 | ● | ● | ○ | 1.60 | 2.20 | 3.8 |
| | | | | | 0.5 | | | | | | |
| 3A |  |  | P09 | 7 | 0.5 | ● | ● | ○ | 1.20 | 1.80 | 1.0 |
| | | | | 2 | 0.5 | | | | | | 5.0 |
| 3A |  |  | P19 | 15 | 0.5 | ● | ● | ○ | 0.90 | 1.50 | 1.0 |
| | | | | 4 | 0.5 | | | | | | 5.0 |
| 3A |  |  | P24 | 20 | 0.5 | ● | ● | ○ | 0.90 | 1.20 | 1.0 |
| | | | | 4 | 0.5 | | | | | | 5.0 |

- First choice alternative
- Special order alternative



Vehicle Equipment Application



RM-B Series

Metal Push Pull Self-locking connector

- Secure high performance push pull self-locking system
- High pin density contributing to equipment miniaturization
- Alignment Key and Polarized Keying System to avoid cross-interface
- 360°EMC shielded
- Robust and shock resistant designs
- Functional in a wide temperature range from -50°C to +250°C
- Available solder , PCB and right angle PCB contact



RM-B Series

Plugs



FGG



FEG



FFG



FNG



FHG



FAG

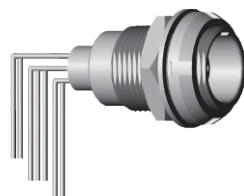
Receptacles



EGG



ECG



ECG



EEG



EFG



EHG



EPG



EXG



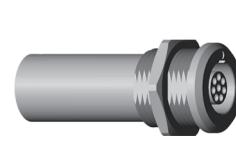
HGG



HHG



HEG



RGG

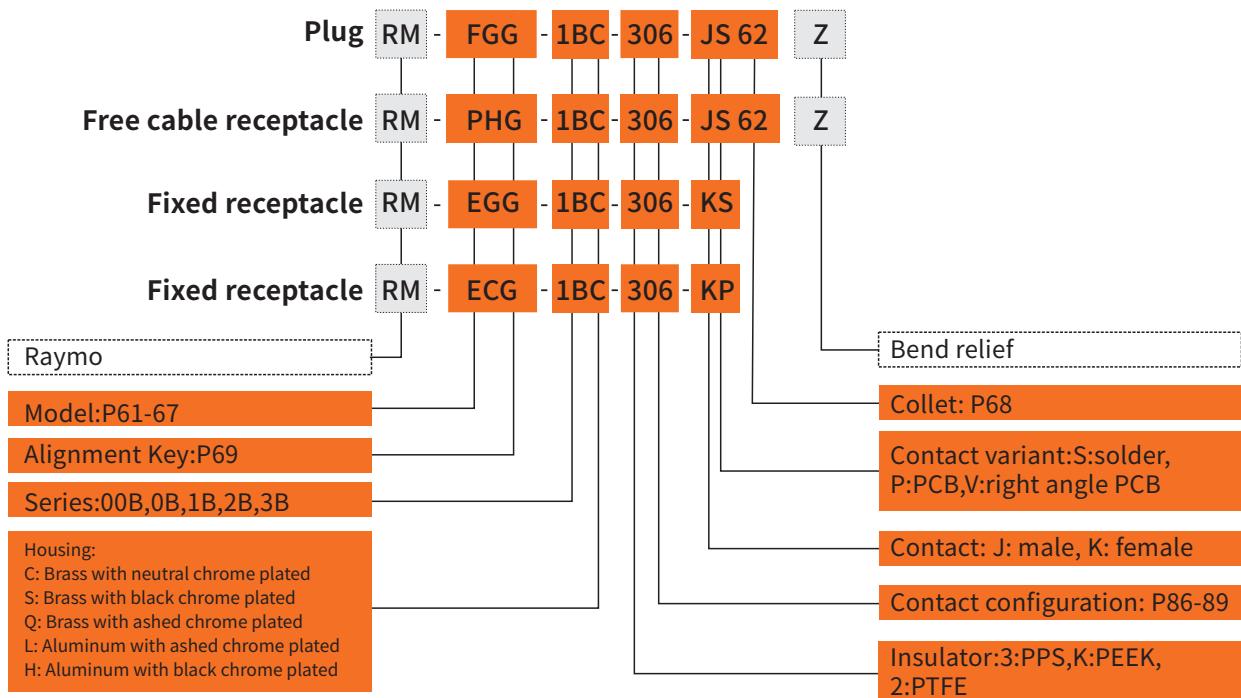


PFG



PHG

Part Numbering System



Part No.Example

Straight plug with cable collet

RM-FGG-1BC-306-JS62Z straight plug with key (G) and cable collet, 1B series, multipole 6 contacts, outer shell in natural chrome-plated brass, PPS insulator, male solder contacts, collet for 5.2-6.2mm diameter cable, nut for fitting a bend relief.

Free cable mount receptacle

RM-PHG-1BC-306-KS62 free cable receptacle with key (G) and cable collet, 1B series, multipole 6 contacts, outer shell in natural chrome-plated brass, PPS insulator, female solder contacts, collet for 5.2-6.2 mm diameter cable.

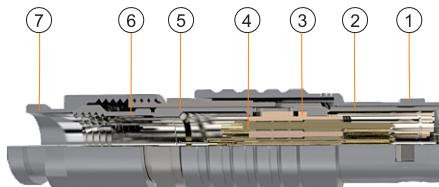
Fixed receptacle

RM-ECG-1BC-306-KP fixed receptacle with two screw nuts, nut fixing, with key (G), 1B series, multipole 6 contacts, outer shell in natural chrome natural-plated brass, PPS insulator, female PCB contacts.

Part Section Showing Internal Components

Cable Mount Plug

- ① Outer shell
- ② Latch sleeve
- ③ Insulator
- ④ Male contact
- ⑤ Split insert carrier A/B
- ⑥ Cable collet
- ⑦ Collet nut



Fixed Receptacle

- ① outer shell
- ② Retaining ring
- ③ Hexagonal nut
- ④ Locking washer
- ⑤ Insulator
- ⑥ Female contacts

Technical Characteristics

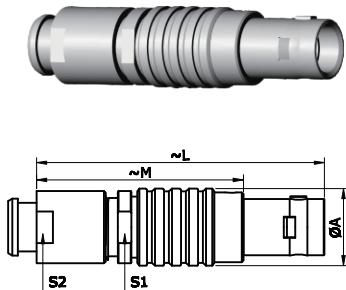
Mechanical and Climatical

| Characteristics | Value | Standard |
|---------------------------|-------------------|----------------------|
| Endurance | >5000cycles | IEC60512-5test9a |
| Humidity | Up to 95% at 60°C | |
| Temperature range | -55°C,+250°C | |
| Resistance to vibration | 10-2000Hz,15g | IEC 60512-4 test 6d |
| Shock resistance | 100g,6ms | IEC 60512-4 test 6c |
| Salt spray corrosion test | >96hrs | IEC 60512-6 test 11f |
| Protection index (mated) | IP50 | IEC 60529 |
| Climatical category | 55/175/21 | IEC 60068-1 |

Electrical

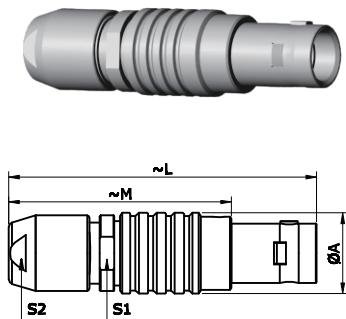
| Characteristics | Value | Standard |
|----------------------|-----------|----------|
| Shielding efficiency | at 10 MHZ | >75 dB |
| | at 1 GHz | >40 dB |

RM-FGG Cable Mount Straight Plug, nut
for fitting a bend relief



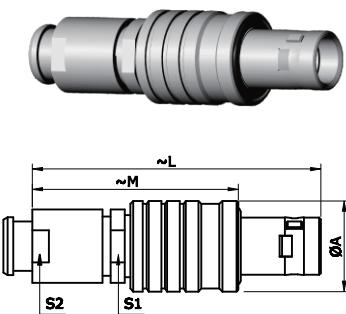
| Reference | | Dimensions(mm) | | | | |
|-----------|--------|----------------|------|------|------|------|
| Model | Series | A | L | M | S1 | S2 |
| RM-FGG | 00 | 6.4 | 28.5 | 20 | 5.5 | 6.0 |
| RM-FGG | 0B | 9.5 | 35.0 | 25.0 | 8.0 | 8.0 |
| RM-FGG | 1B | 12.0 | 42.0 | 31.0 | 10.0 | 9.0 |
| RM-FGG | 2B | 15.0 | 49.0 | 37.0 | 13.0 | 12.0 |
| RM-FGG | 3B | 18.0 | 58.5 | 43.5 | 15.0 | 15.0 |

RM-FGG Cable Mount Straight Plug



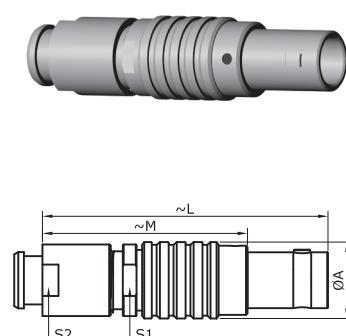
| Reference | | Dimensions(mm) | | | | |
|-----------|--------|----------------|------|------|------|------|
| Model | Series | A | L | M | S1 | S2 |
| RM-FGG | 00 | 6.4 | 28.5 | 20.5 | 5.5 | 5.0 |
| RM-FGG | 0B | 9.5 | 36.0 | 26.0 | 8.0 | 7.0 |
| RM-FGG | 1B | 12.0 | 43.0 | 32.0 | 10.0 | 9.0 |
| RM-FGG | 2B | 15.0 | 50.0 | 38.0 | 13.0 | 12.0 |
| RM-FGG | 3B | 18.0 | 58.0 | 43.0 | 15.0 | 14.0 |

RM-FEG Cable Mount Straight Plug, front sealed,
nut for fitting a bend relief



| Reference | | Dimensions(mm) | | | | |
|-----------|--------|----------------|------|------|------|------|
| Model | Series | A | L | M | S1 | S2 |
| RM-FEG | 0B | 11.0 | 35.0 | 25.0 | 8.0 | 8.0 |
| RM-FEG | 1B | 13.5 | 42.0 | 33.0 | 10.0 | 9.0 |
| RM-FEG | 2B | 16.5 | 48.0 | 36.0 | 13.0 | 12.0 |
| RM-FEG | 3B | 19.0 | 56.0 | 41.5 | 15.0 | 15.0 |

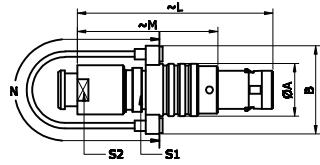
RM-FFG Straight plug,non-latching



| Reference | | Dimensions(mm) | | | | |
|-----------|--------|----------------|------|------|------|------|
| Model | Series | A | L | M | S1 | S2 |
| RM-FFG | 00 | 6.4 | 36.5 | 28.5 | 5.5 | 6.0 |
| RM-FFG | 0B | 9.5 | 35.0 | 25.0 | 8.0 | 8.0 |
| RM-FFG | 1B | 12.0 | 42.0 | 31.0 | 10.0 | 9.0 |
| RM-FFG | 2B | 15.0 | 49.0 | 37.0 | 13.0 | 12.0 |
| RM-FFG | 3B | 18.0 | 56.5 | 41.5 | 15.0 | 15.0 |



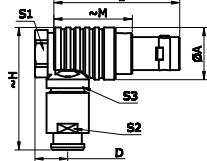
RM-FNG Straight plug,with Lanyard



| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|-------|-------|------|-----|------|------|
| Model | Series | A | B | L | M | N | S1 | S2 |
| RM-FNG | 0B | 9.5 | 15.95 | 34.62 | 24.3 | 140 | 8.0 | 8.0 |
| RM-FNG | 1B | 12.0 | 18.0 | 43.0 | 32.0 | 140 | 10.0 | 9.0 |
| RM-FNG | 2B | 15.0 | 21.0 | 49.0 | 37.0 | 160 | 13.0 | 12.0 |
| RM-FNG | 3B | 18.0 | 25.0 | 58.0 | 43.0 | 190 | 15.0 | 14.0 |



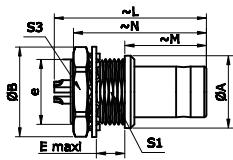
RM-FHG Cable Mounted Elbow Plug,90°



| Reference | | Dimensions(mm) | | | | | | | |
|-----------|--------|----------------|------|------|------|------|------|------|------|
| Model | Series | A | D | H | L | M | S1 | S2 | S3 |
| RM-FHG | 0B | 11.0 | 6.5 | 26.0 | 31.6 | 21.6 | 10.0 | 8.0 | 8.0 |
| RM-FHG | 1B | 13.5 | 8.0 | 30.5 | 36.0 | 25.0 | 11.0 | 9.0 | 10.0 |
| RM-FHG | 2B | 16.5 | 9.0 | 40.0 | 37.7 | 25.6 | 14.0 | 12.0 | 13.0 |
| RM-FHG | 3B | 19.0 | 10.0 | 37.0 | 50.0 | 35.0 | 17.0 | 14.0 | 15.0 |



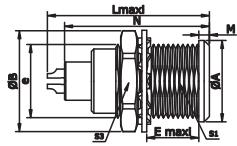
RM-FAG Panel Mount Fixed Plug, non-latching



| Reference | | Dimensions(mm) | | | | | | | | |
|-----------|--------|----------------|------|---------|-----|------|------|------|------|------|
| Model | Series | A | B | e | E | L | M | N | S1 | S3 |
| RM-FAG | 0B | 10.0 | 12.4 | M9*0.6 | 4.2 | 20.8 | 11.5 | 18.9 | 8.2 | 11.0 |
| RM-FAG | 1B | 14.0 | 15.8 | M12*1.0 | 5.4 | 25.2 | 12.5 | 21.6 | 10.5 | 14.0 |
| RM-FAG | 2B | 18.0 | 19.2 | M15*1.0 | 6.0 | 28.7 | 13.8 | 23.9 | 13.5 | 17.0 |
| RM-FAG | 3B | 22.0 | 25.0 | M18*1.0 | 5.8 | 32.1 | 17.0 | 30.2 | 16.5 | 22.0 |



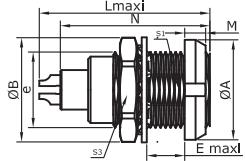
RM-EGG Panel Mount Fixed Receptacle



| Reference | | Dimensions(mm) | | | | | | | | |
|-----------|--------|----------------|------|---------|------|------|-----|------|------|------|
| Model | Series | A | B | e | E | L | M | N | S1 | S3 |
| RM-EGG | 00B | 8.0 | 10.2 | M7*0.5 | 6.0 | 15.5 | 1.0 | 13.7 | 6.3 | 9.0 |
| RM-EGG | 0B | 10.0 | 12.4 | M9*0.6 | 7.0 | 20.7 | 1.2 | 19.1 | 8.2 | 11.0 |
| RM-EGG | 1B | 14.0 | 15.8 | M12*1.0 | 7.5 | 23.0 | 1.5 | 21.1 | 10.5 | 14.0 |
| RM-EGG | 2B | 18.0 | 19.2 | M15*1.0 | 8.5 | 26.7 | 1.8 | 24.6 | 13.5 | 17.0 |
| RM-EGG | 3B | 21.8 | 25.0 | M18*1.0 | 11.5 | 37.1 | 2.0 | 24.6 | 16.5 | 22.0 |



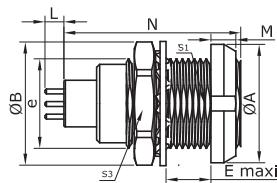
RM-ECG Panel Mount Receptacle with two screw nuts



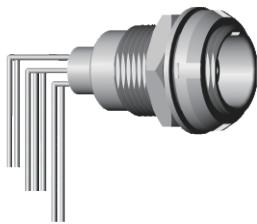
| Reference | | Dimensions(mm) | | | | | | | | |
|-----------|--------|----------------|------|---------|-----|------|-----|------|------|------|
| Model | Series | A | B | e | E | L | M | N | S1 | S3 |
| RM-ECG | 00B | 10.0 | 10.2 | M7*0.5 | 4.3 | 13.7 | 2.5 | 13.7 | 6.3 | 9.0 |
| RM-ECG | 0B | 12.0 | 12.4 | M9*0.6 | 5.5 | 20.7 | 2.5 | 16.4 | 8.2 | 11.0 |
| RM-ECG | 1B | 16.0 | 15.8 | M12*1.0 | 6.0 | 23.0 | 3.5 | 19.8 | 10.5 | 14.0 |
| RM-ECG | 2B | 20.0 | 19.2 | M15*1.0 | 6.5 | 26.7 | 3.5 | 20.2 | 13.5 | 17.0 |
| RM-ECG | 3B | 24.0 | 25.0 | M18*1.0 | 9.0 | 30.7 | 4.5 | 25.8 | 16.5 | 22.0 |



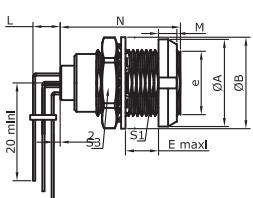
RM-ECG Panel Mount Receptacle with two screw nuts,
straight contact for printed circuit



| Reference | | Dimensions(mm) | | | | | | | | |
|-----------|--------|----------------|------|---------|-----|------|-----|------|------|------|
| Model | Series | A | B | e | E | L | M | N | S1 | S3 |
| RM-ECG | 00B | 10.0 | 10.2 | M7*0.5 | 4.3 | 13.7 | 2.5 | 13.7 | 6.3 | 9.0 |
| RM-ECG | 0B | 12.0 | 12.4 | M9*0.6 | 5.5 | 20.7 | 2.5 | 16.4 | 8.2 | 11.0 |
| RM-ECG | 1B | 16.0 | 15.8 | M12*1.0 | 6.0 | 23.0 | 2.5 | 19.8 | 10.5 | 14.0 |
| RM-ECG | 2B | 20.0 | 19.2 | M15*1.0 | 6.5 | 26.7 | 2.5 | 21.8 | 13.5 | 17.0 |
| RM-ECG | 3B | 24.0 | 25.0 | M18*1.0 | 9.0 | 30.7 | 2.5 | 25.8 | 16.5 | 22.0 |



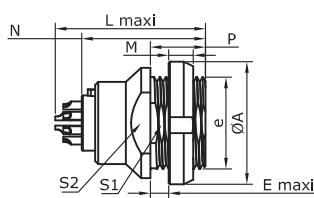
RM-ECG Panel Mount Fixed Receptacle with two screw nuts,
elbow 90° contact for printed circuit



| Reference | | Dimensions(mm) | | | | | | | | |
|-----------|--------|----------------|------|---------|-----|-----|------|------|------|--|
| Model | Series | A | B | e | E | M | N | S1 | S3 | |
| RM-ECG | 0B | 12.0 | 12.4 | M9*0.6 | 5.5 | 2.5 | 18.3 | 8.2 | 11.0 | |
| RM-ECG | 1B | 16.0 | 15.8 | M12*1.0 | 6.0 | 3.5 | 20.3 | 10.5 | 14.0 | |
| RM-ECG | 2B | 20.0 | 19.2 | M15*1.0 | 6.5 | 3.5 | 22.3 | 13.5 | 17.0 | |
| RM-ECG | 3B | 24.0 | 25.0 | M18*1.0 | 9.0 | 4.5 | 25.8 | 16.5 | 22.0 | |



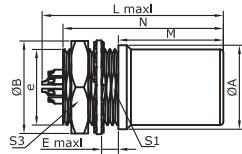
RM-EEG Panel Mount Fixed Receptacle, back panel mounting



| Reference | | Dimensions(mm) | | | | | | | | | |
|-----------|--------|----------------|------|---------|-----|------|-----|------|------|------|------|
| Model | Series | A | B | e | E | L | M | N | P | S1 | S3 |
| RM-EEG | 0B | 12.0 | 12.5 | M9*0.6 | 2.4 | 20.7 | 2.5 | 19.1 | 6.3 | 8.2 | 9.0 |
| RM-EEG | 1B | 16.0 | 16.0 | M12*1.0 | 6.5 | 23.0 | 3.5 | 21.1 | 11.0 | 10.5 | 13.0 |
| RM-EEG | 2B | 20.0 | 20.0 | M15*1.0 | 3.0 | 26.7 | 3.5 | 24.6 | 9.0 | 13.5 | 15.0 |



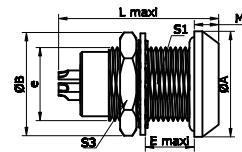
RM-EHG Panel Mount Fixed Receptacles, protruding shell



| Reference | | Dimensions(mm) | | | | | | | | |
|-----------|--------|----------------|------|---------|-----|------|------|------|------|------|
| Model | Series | A | B | e | E | L | M | N | S1 | S3 |
| RM-EHG | 0B | 10.0 | 12.4 | M9*0.6 | 2.0 | 19.5 | 12.5 | 19.1 | 8.2 | 11.0 |
| RM-EHG | 1B | 14.0 | 15.8 | M12*1.0 | 4.0 | 21.7 | 12.0 | 21.1 | 10.5 | 14.0 |
| RM-EHG | 2B | 18.0 | 19.2 | M15*1.0 | 5.1 | 22.7 | 12.5 | 24.6 | 13.5 | 17.0 |



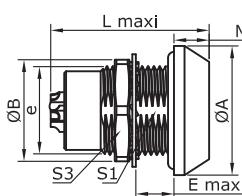
RM-HGG Panel Mount Sealed Fixed Receptacle, front panel mounting



| Reference | | Dimensions(mm) | | | | | | | |
|-----------|--------|----------------|------|---------|-----|------|-----|------|------|
| Model | Series | A | B | e | E | L | M | S1 | S3 |
| RM-HGG | 0B | 13.0 | 12.4 | M9*0.6 | 7.0 | 21.5 | 3.0 | 8.2 | 11.0 |
| RM-HGG | 1B | 18.0 | 15.8 | M12*1.0 | 7.0 | 26.6 | 4.5 | 10.5 | 14.0 |
| RM-HGG | 2B | 20.0 | 19.2 | M15*1.0 | 8.0 | 31.6 | 4.0 | 13.5 | 17.0 |



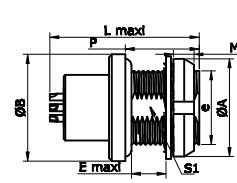
RM-HHG Panel Mounted Sealed Fixed Receptacle, front panel mounting



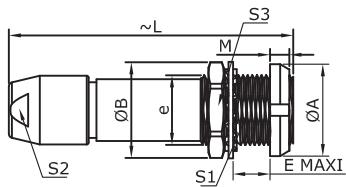
| Reference | | Dimensions(mm) | | | | | | | |
|-----------|--------|----------------|------|---------|-----|------|-----|------|------|
| Model | Series | A | B | e | E | L | M | S1 | S3 |
| RM-HHG | 0B | 13.0 | 12.4 | M9*0.6 | 7.0 | 23.2 | 4.8 | 8.2 | 11.0 |
| RM-HHG | 1B | 18.0 | 15.8 | M12*1.0 | 7.0 | 30.3 | 5.2 | 10.5 | 14.0 |
| RM-HHG | 2B | 20.0 | 19.2 | M15*1.0 | 8.0 | 35.6 | 6.0 | 13.5 | 17.0 |



RM-HEG Panel Mount Sealed Fixed Receptacle, back panel mounting

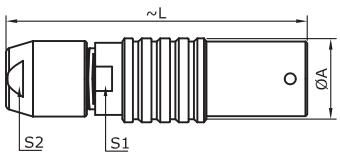


| Reference | | Dimensions(mm) | | | | | | | | |
|-----------|--------|----------------|------|---------|-----|------|-----|------|------|------|
| Model | Series | A | B | e | E | L | M | P | S1 | S3 |
| RM-HEG | 0B | 12.0 | 13.0 | M9*0.6 | 2.5 | 20.2 | 2.5 | 9.0 | 8.2 | - |
| RM-HEG | 1B | 16.0 | 18.0 | M12*1.0 | 5.5 | 26.6 | 3.5 | 11.0 | 10.5 | - |
| RM-HEG | 2B | 20.0 | 20.0 | M15*1.0 | 6.5 | 31.6 | 3.5 | 9.6 | 13.5 | 15.0 |



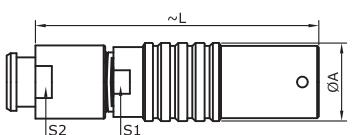
RM-PFG Panel Mount Cable Receptacle, back panel mounting

| Reference | | Dimensions(mm) | | | | | | | | |
|-----------|--------|----------------|------|---------|-----|------|-----|------|------|------|
| Model | Series | A | B | e | E | L | M | S1 | S2 | S3 |
| RM-PFG | 0B | 12.0 | 12.4 | M9*0.6 | 5.0 | 35.5 | 2.5 | 8.2 | 7.0 | 11.0 |
| RM-PFG | 1B | 16.0 | 15.8 | M12*1.0 | 5.0 | 40.7 | 3.5 | 10.5 | 9.0 | 14.0 |
| RM-PFG | 2B | 20.0 | 19.2 | M15*1.0 | 6.5 | 47.0 | 3.5 | 13.5 | 12.0 | 17.0 |
| RM-PFG | 3B | 24.0 | 25.0 | M18*1.0 | 9.0 | 56.0 | 4.5 | 16.5 | 14.0 | 22.0 |



RM-PHG Cable Mount Receptacle

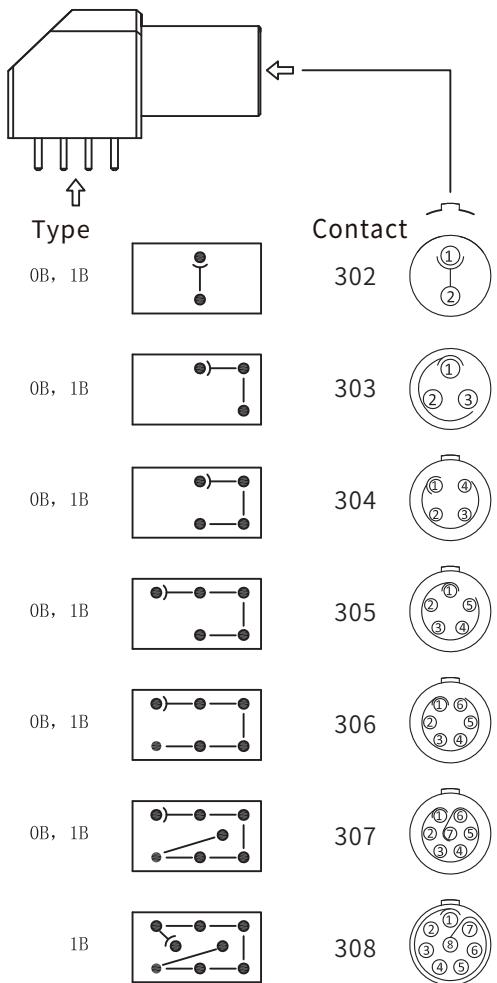
| Reference | | Dimensions(mm) | | | |
|-----------|--------|----------------|------|------|------|
| Model | Series | A | L | S1 | S2 |
| RM-PHG | 0B | 9.5 | 35.5 | 8.0 | 7.0 |
| RM-PHG | 1B | 12.5 | 40.7 | 10.0 | 9.0 |
| RM-PHG | 2B | 16.5 | 47.0 | 13.0 | 12.0 |
| RM-PHG | 3B | 19.0 | 56.0 | 15.0 | 14.0 |



RM-PHG Cable Mount Receptacle, nut for fitting a bend relief

| Reference | | Dimensions(mm) | | | |
|-----------|--------|----------------|------|------|------|
| Model | Series | A | L | S1 | S2 |
| RM-PHG | 0B | 9.5 | 35.5 | 8.0 | 7.0 |
| RM-PHG | 1B | 12.5 | 40.5 | 10.0 | 9.0 |
| RM-PHG | 2B | 16.5 | 47.0 | 13.0 | 12.0 |
| RM-PHG | 3B | 19.0 | 56.0 | 15.0 | 14.0 |

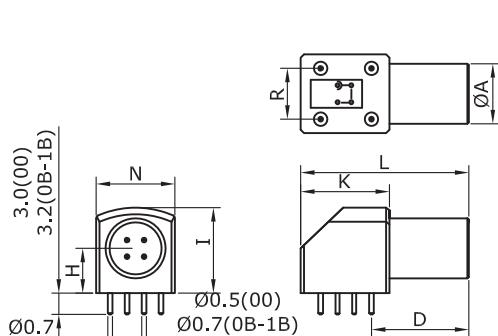
Technical Characteristics



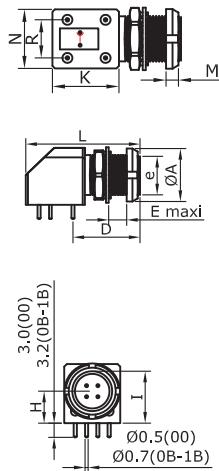
Electrical

| Model | Shell Size | Contact No. | Test voltage (contact-shell)k/v | Test voltage (contact-shell)k/v | Rated current/A |
|---------|------------|-------------|---------------------------------|---------------------------------|-----------------|
| EPG-EXG | 0B | 302 | 1.45 | 1.20 | 4.5 |
| EPG-EXG | 0B | 303 | 1.70 | 1.60 | 4.5 |
| EPG-EXG | 0B | 304 | 1.30 | 1.10 | 4.5 |
| EPG-EXG | 0B | 305 | 1.25 | 1.20 | 4.5 |
| EPG-EXG | 0B | 306 | 1.25 | 1.20 | 2.5 |
| EPG-EXG | 0B | 307 | 1.00 | 1.20 | 2.0 |
| EPG-EXG | 1B | 302 | 1.70 | 1.45 | 4.5 |
| EPG-EXG | 1B | 303 | 1.60 | 1.85 | 4.5 |
| EPG-EXG | 1B | 304 | 1.70 | 1.80 | 4.5 |
| EPG-EXG | 1B | 305 | 1.30 | 1.55 | 4.5 |
| EPG-EXG | 1B | 306 | 1.35 | 1.45 | 4.5 |
| EPG-EXG | 1B | 307 | 1.45 | 1.45 | 2.0 |
| EPG-EXG | 1B | 308 | 1.30 | 1.30 | 2.0 |
| EPG | 1B | 314 | 1.00 | 1.30 | 1.0 |

RM-EPG Elbow (90°) Receptacle for printed circuit, key (G) or keys (A..F) (solder or screw fixing)

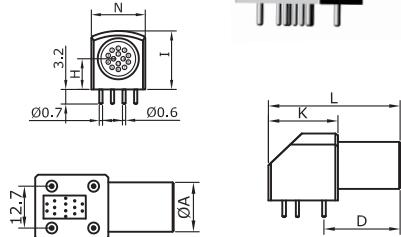


| Model | Dimensions(mm) | | | | | | | |
|----------------|----------------|------|-----|------|------|------|------|------|
| | A | D | H | I | K | L | N | R |
| EPG.0BC.302.KP | 9.0 | | | | | | | |
| EPG.0BC.303.KP | | 14.6 | | | | | | |
| EPG.0BC.304.KP | | | 6.7 | | | | | |
| EPG.0BC.305.KP | | | | 12.6 | | | | |
| EPG.0BC.306.KP | | | | | 13.3 | | | |
| EPG.0BC.307.KP | | | | | | 25.0 | 11.7 | 7.62 |
| EPG.1BC.302.KP | 11.0 | | | | | | | |
| EPG.1BC.303.KP | | | | | | | | |
| EPG.1BC.304.KP | | | | | | | | |
| EPG.1BC.305.KP | | | | | | | | |
| EPG.1BC.306.KP | | | | | | | | |
| EPG.1BC.307.KP | | | | | | 27.0 | 12.6 | 7.62 |
| EPG.1BC.308.KP | | | | | | | | |



RM-EXG Elbow (90°) Receptacle for printed circuit, (solder or screw fixing)
back panel mounting

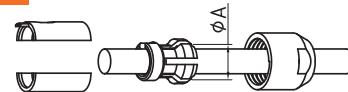
| Model | Dimensions(mm) | | | | | | | | | | | | |
|----------------|----------------|---------|---|-----|-----|------|------|----|-----|------|------|----|----|
| | A | B | D | e | E | H | I | K | L | M | N | R | S3 |
| EXG.0BC.302.KP | 12 | | | | | | | | | | | | |
| EXG.0BC.303.KP | 12.4 | | | | | | | | | | | | |
| EXG.0BC.304.KP | 14.6 | | | | | | | | | | | | |
| EXG.0BC.305.KP | | M9*0.6 | | 6 | 6.7 | 12.6 | 13.3 | 25 | 2.5 | 11.7 | 7.62 | 11 | |
| EXG.0BC.306.KP | | | | | | | | | | | | | |
| EXG.0BC.307.KP | | | | | | | | | | | | | |
| EXG.1BC.302.KP | 14 | | | | | | | | | | | | |
| EXG.1BC.303.KP | 15 | | | | | | | | | | | | |
| EXG.1BC.304.KP | 16.6 | | | | | | | | | | | | |
| EXG.1BC.305.KP | | M11*0.5 | | 7.5 | 7.5 | 14 | 13.3 | 27 | 3.5 | 12.6 | 7.62 | 13 | |
| EXG.1BC.306.KP | | | | | | | | | | | | | |
| EXG.1BC.307.KP | | | | | | | | | | | | | |
| EXG.1BC.308.KP | | | | | | | | | | | | | |



RM-EPG Elbow (90°) Receptacle for printed circuit, (solder or screw fixing) back panel mounting

| 型号 | 尺寸 (mm) | | | | | | |
|----------------|---------|----|-----|------|----|----|------|
| | A | D | H | I | K | L | N |
| EPG.1BC.314.KP | 11 | 21 | 7.7 | 14.3 | 19 | 36 | 15.4 |

RM-B series Cable collet



00B

| Cable Clamp Set | Cable collet (mm) | Cable dia Range | |
|-----------------|-------------------|-----------------|------|
| code | ΦA | Max | Min |
| 22 | 2.2 | 2.2 | 1.4 |
| 27 | 2.7 | 2.7 | >2.2 |
| 35 | 3.5 | 3.5 | >2.7 |

0B

| Cable Clamp Set | Cable collet (mm) | Cable dia Range | |
|-----------------|-------------------|-----------------|-------|
| code | ΦA | Max | Min |
| 21 | 2.1 | 2.2 | 1.4 |
| 32 | 3.2 | 3.2 | >2.2 |
| 42 | 4.2 | 4.2 | >3.2 |
| 52 | 5.2 | 5.2 | >4.2 |
| 56 | 5.6 | 5.6 | >5.2① |

1B

| Cable Clamp Set | Cable collet (mm) | Cable dia Range | |
|-----------------|-------------------|-----------------|------|
| code | ΦA | Max | Min |
| 32 | 3.2 | 3.2 | 2.5 |
| 42 | 4.2 | 4.2 | 3.2 |
| 52 | 5.2 | 5.2 | >4.2 |
| 62 | 6.2 | 6.2 | >5.2 |
| 72 | 7.2 | 7.2 | >6.2 |
| 76 | 7.6 | 7.5 | 7.1① |

2B

| Cable Clamp Set | Cable collet (mm) | Cable dia Range | |
|-----------------|-------------------|-----------------|------|
| code | ΦA | Max | Min |
| 42 | 4.2 | 4.2 | >3.2 |
| 52 | 5.2 | 5.2 | >4.2 |
| 62 | 6.2 | 6.2 | >5.2 |
| 72 | 7.2 | 7.2 | >6.2 |
| 82 | 8.2 | 8.2 | >7.2 |
| 92 | 9.2 | 9.2 | >8.2 |
| 99 | 9.9 | 9.7 | 9.1① |

3B

| Cable Clamp Set | Cable collet (mm) | Cable dia Range | |
|-----------------|-------------------|-----------------|-------|
| code | ΦA | Max | Min |
| 62 | 6.2 | 6.2 | 4.9 |
| 72 | 7.2 | 7.7 | >6.2 |
| 82 | 8.2 | 8.0 | 7.1 |
| 92 | 9.2 | 9.2 | >7.7 |
| 10 | 10.2 | 10.2 | >9.2 |
| 11 | 11.2 | 11.0 | 10.2 |
| 12 | 11.9 | 11.7 | 11.1① |

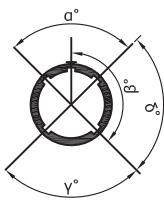
①This cable collet is only for crimping type cable collet, not fit for cable nut with bend relief type.

Alignment key and Polarized Keys(RM-B series)

RM-B series connector model type are composed of five letters.

The last letter indicates the key position and the contact type (male or female).

Front view of receptacle



| Code | Keys No. | Angles | Series | | | Code | Keys No. | Angles | Series | | | Contact Type | |
|------|----------|--------|--------|------|------|------|----------|--------|--------|------|--------|--------------|--|
| | | | 00 | 0B | 1B | | | | 2B | 0B | Plug | Receptacle | |
| G | 1 | | 0° | 0° | 0° | G | 1 | | 0° | 0° | Male | Female | |
| A | 2 | | 30° | 30° | 30° | A | 2 | | 30° | 30° | Male | Female | |
| B | 2 | α | 60° | 60° | 60° | B | 2 | α | 45° | 60° | Male | Female | |
| C | 2 | | - | 90° | 90° | C | 2 | | 60° | 90° | Male | Female | |
| D | 2 | | - | 135° | 135° | D | 2 | γ | 95° | 135° | Male | Female | |
| E | 2 | β | - | 145° | 145° | E | 2 | β | 120° | 145° | Male | Female | |
| F | 2 | | - | 155° | 155° | F | 2 | | 145° | 155° | Male | Female | |
| J | 2 | | 45° | 45° | 45° | J | 2 | α | 37.5° | 45° | Female | Male | |
| K | 2 | γ | - | 70° | 70° | K | 2 | | 52.5° | 70° | Female | Male | |
| L | 2 | | - | 80° | 80° | L | 2 | γ | 70° | 80° | Female | Male | |
| M | 2 | δ | - | 110° | - | M | 2 | δ | - | 110° | Female | Male | |



Shipborne Equipment Applications



RM-K Series

Metal Waterproof Push Pull Self-locking Connector

K series has same insulator and contact configuration as B series:

- Secure high performance push pull self-locking system
- High pin density contributing to equipment miniaturization
- Alignment Key and Polarized Keying System to avoid cross-interface
- Sealed up to IP68
- 360°EMC shielded
- Robust and shock resistant designs
- Functional in a wide temperature range from -50°C to +250°C
- Available solder , PCB and right angle PCB contact



RM-K Series

Plugs



FGG



FGG



FPG

Receptacles



EGG



EEG



EEG



HGG

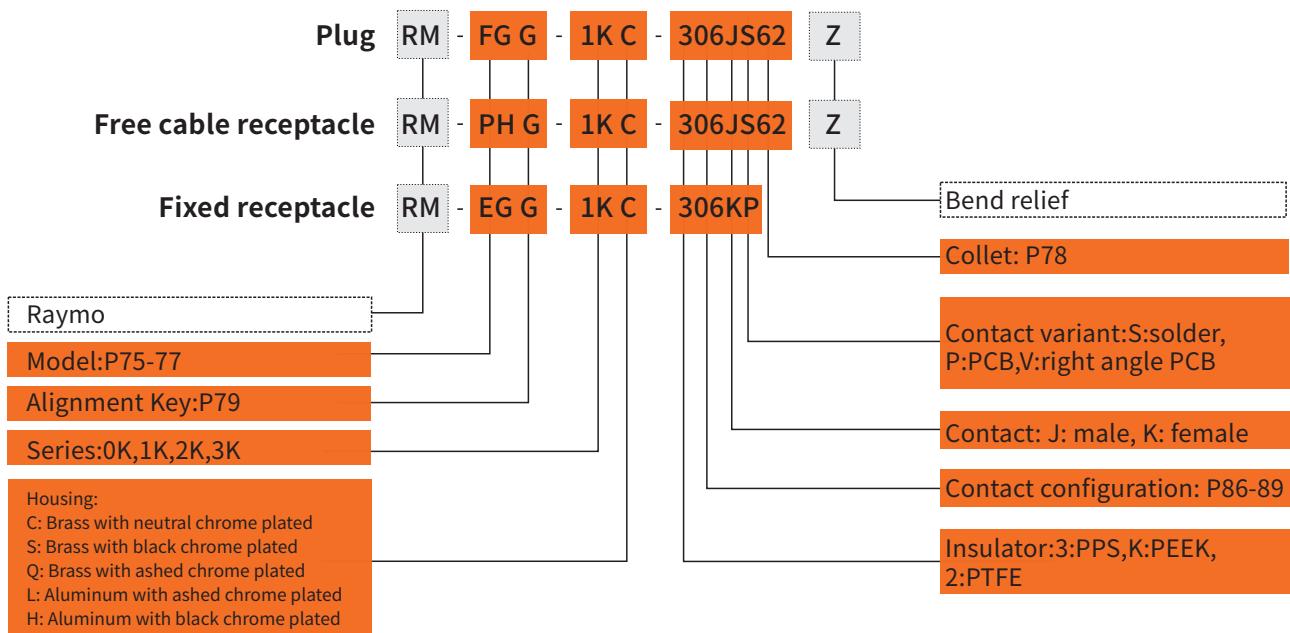


PHG



PHG

Part Numbering System



Part No.Example

Straight plug with cable collet

RM-FGG-1KC-303JS62Z straight plug with key (G) and cable collet, 1K series, multipole 3 contacts, outer shell in natural chrome-plated brass, PPS insulator, male solder contacts, collet for 5.2-6.2 mm diameter cable, with a black colour bend relief.

Free cable receptacle

RM-PHG-1KC-303KS62Z free cable receptacle (G) and cable collet, 1K series, multipole 3 contacts, outer shell in natural chrome-plated brass, PPSs insulator, female solder contacts, collet for 5.2-6.2 mm diameter cable, with a black colour bend relief.

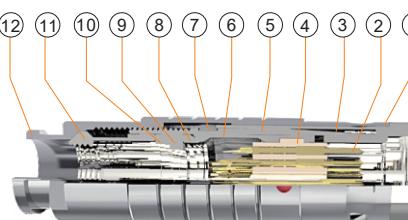
Fixed receptacle

RM-EGG-1KC-303KP fixed receptacle, nut fixing, with key(G), 1K series, multipole 3 contacts, outer shell in natural chrome plated brass, PPs insulator, female pcb contacts.

Part Section Showing Internal Components

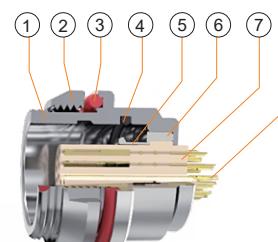
Cable Mount Plug

- ① Outer shell
- ② Male contact
- ③ Latch sleeve
- ④ Insulator
- ⑤ Inner shell
- ⑥ Split insert carrier A/B
- ⑦ Retaing ring
- ⑧ Erthing cone
- ⑨ O-ring
- ⑩ Washer
- ⑪ Cable collet
- ⑫ Collet nut



Fixed Receptacle

- ① Outer shell
- ② Hexagonal nut
- ③ Outer o-ring
- ④ Inner o-ring
- ⑤ Retaing ring
- ⑥ Earthing crown
- ⑦ Insulator
- ⑧ Female contact



Technical Characteristics

Mechanical and Climatical

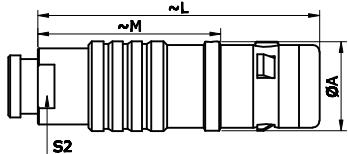
| Characteristics | Value | Standard |
|---------------------------|-------------------|----------------------|
| Endurance | >5000cycles | IEC60512-5test9a |
| Humidity | Up to 95% at 60°C | |
| Temperature range | -55°C,+250°C | |
| Resistance to vibration | 10-2000Hz,15g | IEC 60512-4 test 6d |
| Shock resistance | 100g,6ms | IEC 60512-4 test 6c |
| Salt spray corrosion test | >96h | IEC 60512-6 test 11f |
| Protection index (mated) | IP68 | IEC 60529 |
| Climatical category | 55/175/21 | IEC 60068-1 |

Electrical

| Characteristics | | Value | Standard |
|----------------------|-----------|--------|---------------|
| Shielding efficiency | at 10 MHZ | >95 dB | IEC 60619-1-3 |
| | at 1 GHz | >80 dB | IEC 60619-1-3 |



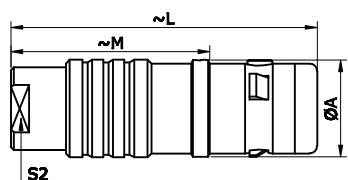
RM-FGG Cable Mount Straight Plug,
nut for fitting a bend relief



| Reference | | Dimensions(mm) | | | |
|-----------|--------|----------------|------|------|------|
| Model | Series | A | L | M | S2 |
| RM-FGG | 0K | 11.0 | 34.0 | 23.0 | 7.0 |
| RM-FGG | 1K | 13.0 | 42.0 | 28.0 | 9.0 |
| RM-FGG | 2K | 16.0 | 52.0 | 36.0 | 12.0 |
| RM-FGG | 3K | 19.0 | 60.0 | 40.0 | 15.0 |



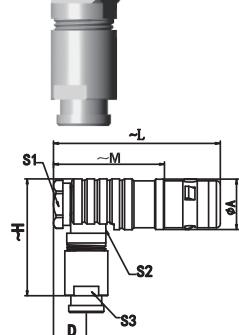
RM-FGG Cable Mount Straight Plug



| Reference | | Dimensions(mm) | | | |
|-----------|--------|----------------|------|------|------|
| Model | Series | A | L | M | S2 |
| RM-FGG | 0K | 11.0 | 34.0 | 23.0 | 7.0 |
| RM-FGG | 1K | 13.0 | 42.0 | 28.0 | 9.0 |
| RM-FGG | 2K | 16.0 | 52.0 | 36.0 | 12.0 |
| RM-FGG | 3K | 19.0 | 60.0 | 40.0 | 15.0 |



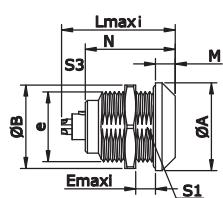
RM-FPG Cable Mount Straight Plug



| Reference | | Dimensions(mm) | | | | | | | |
|-----------|--------|----------------|------|------|------|------|------|------|------|
| Model | Series | A | D | H | L | M | S1 | S2 | S3 |
| RM-FPG | 0K | 11.0 | 7.3 | 25.0 | 36.0 | 25.0 | 9.0 | 8.0 | 8.0 |
| RM-FPG | 1K | 13.0 | 8.7 | 33.0 | 42.0 | 28.0 | 11.0 | 9.0 | 10.0 |
| RM-FPG | 2K | 16.0 | 10.2 | 40.0 | 51.0 | 35.0 | 14.0 | 12.0 | 13.0 |



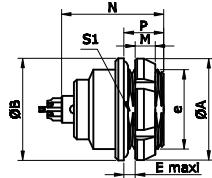
RM-EGG Panel Mount Fixed Receptacle



| Reference | | Dimensions(mm) | | | | | | | | | |
|-----------|--------|----------------|------|---------|----|------|-----|------|------|----|--|
| Model | Series | A | B | e | E | L | M | N | S1 | S3 | |
| RM-EGG | 0K | 18.0 | 19.2 | M14*1.0 | 6 | 21.7 | 4.0 | 20.0 | 12.5 | 17 | |
| RM-EGG | 1K | 20.0 | 21.5 | M16*1.0 | 9 | 27.0 | 4.5 | 25.1 | 14.5 | 19 | |
| RM-EGG | 2K | 25.0 | 27.0 | M20*1.0 | 9 | 30.7 | 5.0 | 28.6 | 18.5 | 24 | |
| RM-EGG | 3K | 31.0 | 34.0 | M24*1.0 | 11 | 36.2 | 6.0 | 33.6 | 22.5 | 30 | |



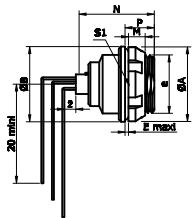
RM-EEG Panel Mount Fixed Receptacle,
back panel mounting



| Reference | | Dimensions(mm) | | | | | | | |
|-----------|--------|----------------|------|---------|-----|-----|------|------|------|
| Model | Series | A | B | e | E | M | N | P | S1 |
| RM-EEG | 0K | 18.0 | 18.0 | M14*1.0 | 3.4 | 3.5 | 20.1 | 7.0 | 12.5 |
| RM-EEG | 1K | 20.0 | 20.0 | M16*1.0 | 6.2 | 3.5 | 25.1 | 10.0 | 14.5 |
| RM-EEG | 2K | 25.0 | 25.0 | M20*1.0 | 5.0 | 5.0 | 28.6 | 10.0 | 18.5 |
| RM-EEG | 3K | 30.0 | 31.0 | M24*1.0 | 7.5 | 4.5 | 33.6 | 12.0 | 22.5 |



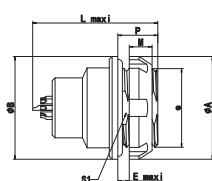
RM-EEG Panel Mount Fixed Receptacle elbow 90°contact for
printed circuit (back panel mounting)



| Reference | | Dimensions(mm) | | | | | | | |
|-----------|--------|----------------|------|---------|-----|-----|------|------|------|
| Model | Series | A | B | e | E | M | N | P | S1 |
| RM-EEG | 0K | 18.0 | 18.0 | M14*1.0 | 3.4 | 3.5 | 20.1 | 7.0 | 12.5 |
| RM-EEG | 1K | 20.0 | 20.0 | M16*1.0 | 6.2 | 3.5 | 25.1 | 10.0 | 14.5 |
| RM-EEG | 2K | 25.0 | 25.0 | M20*1.0 | 5.0 | 5.0 | 28.6 | 10.0 | 18.5 |
| RM-EEG | 3K | 30.0 | 31.0 | M24*1.0 | 7.5 | 4.5 | 33.6 | 12.0 | 22.5 |



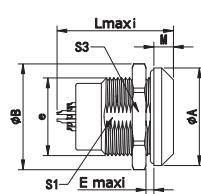
RM-HEG Panel Mount Fixed Receptacle



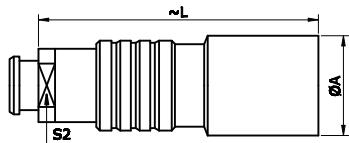
| Reference | | Dimensions(mm) | | | | | | | |
|-----------|--------|----------------|------|---------|-----|------|-----|------|------|
| Model | Series | A | B | e | E | L | M | P | S1 |
| RM-HEG | 0K | 18.0 | 18.0 | M14*1.0 | 2.4 | 21.7 | 3.5 | 7.0 | 12.5 |
| RM-HEG | 1K | 20.0 | 20.0 | M16*1.0 | 6.2 | 30.0 | 5.0 | 10.0 | 14.5 |
| RM-HEG | 2K | 25.0 | 25.0 | M20*1.0 | 5.0 | 33.7 | 3.5 | 10.0 | 18.5 |



RM-HGG Panel Mount Fixed Receptacle,
Watertight or vacumtight

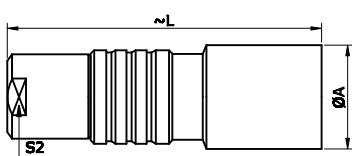
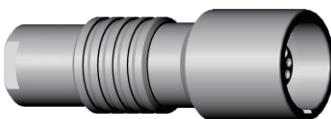


| Reference | | Dimensions(mm) | | | | | | | |
|-----------|--------|----------------|------|---------|------|------|-----|------|------|
| Model | Series | A | B | e | E | L | M | S1 | S3 |
| RM-HGG | 0K | 18.0 | 19.2 | M14*1.0 | 5.5 | 21.7 | 4.0 | 12.5 | 17.0 |
| RM-HGG | 1K | 20.0 | 21.5 | M16*1.0 | 9.0 | 27.0 | 4.5 | 14.5 | 19.0 |
| RM-HGG | 2K | 25.0 | 27.0 | M20*1.0 | 13.0 | 30.7 | 5.0 | 18.5 | 24.0 |
| RM-HGG | 3K | 31.0 | 34.0 | M24*1.0 | 16.0 | 36.2 | 6.0 | 22.5 | 30.0 |



RM-PHG Cable Mounted Receptacles, nut
for fitting a bend relief

| Reference | | Dimensions(mm) | | |
|-----------|--------|----------------|------|------|
| Model | Series | A | L | S2 |
| RM-PHG | 0K | 13.0 | 34.0 | 8.0 |
| RM-PHG | 1K | 15.0 | 45.0 | 9.0 |
| RM-PHG | 2K | 19.0 | 54.0 | 12.0 |
| RM-PHG | 3K | 23.0 | 65.0 | 15.0 |



RM-PHG Cable Mounted Receptacles

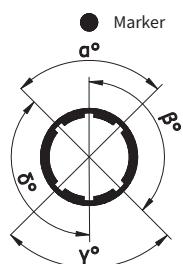
| Reference | | Dimensions(mm) | | |
|-----------|--------|----------------|------|------|
| Model | Series | A | L | S2 |
| RM-PHG | 0K | 13.0 | 34.0 | 8.0 |
| RM-PHG | 1K | 15.0 | 45.0 | 9.0 |
| RM-PHG | 2K | 19.0 | 54.0 | 12.0 |
| RM-PHG | 3K | 23.0 | 65.0 | 15.0 |

Alignment key and Polarized keys(RM-K series)

RM-K series connector model type are composed of five letters.

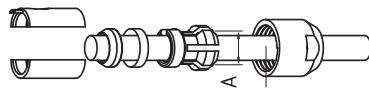
The LASTLETTER indicates the key position and the contact type (male or female).

Front view of receptacle



| Code | Keys No. | Angles | Series | | | | Contact Type | |
|------|----------|----------|--------|------|------|------|--------------|------------|
| | | | 0K | 1K | 2K | 3K | Plug | Receptacle |
| G | 1 | α | 0° | 0° | 0° | 0° | Male | Female |
| A | 2 | | 30° | 30° | 30° | 30° | Male | Female |
| B | 2 | | 45° | 45° | 45° | 45° | Male | Female |
| C | 2 | | 60° | 60° | 60° | 60° | Male | Female |
| D | 2 | γ | 95° | 95° | 95° | 95° | Male | Female |
| E | 2 | β | 120° | 120° | 120° | 120° | Male | Female |
| F | 2 | | 145° | 145° | 145° | 145° | Male | Female |
| L | 2 | γ | 75° | 75° | 75° | 75° | Female | Male |

RM-K series Cable collet



OK

| Cable Clamp Set | Cable collet (mm) | | Cable dia Range | |
|-----------------|-------------------|-----|-----------------|------|
| code | ΦA | ΦB | Max | Min |
| 42 | 4.2 | - | 4.2 | 2.5 |
| 52 | 5.2 | - | 5.2 | >4.2 |
| 62 | 6.2 | - | 6.2 | >5.2 |
| 72 | 7.2 | 6.7 | 7.2 | >6.2 |
| 76 | 7.6 | 6.7 | 7.5 | 7.1① |

1K

| Cable Clamp Set | Cable collet (mm) | | Cable dia Range | |
|-----------------|-------------------|-----|-----------------|------|
| code | ΦA | ΦB | Max | Min |
| 42 | 4.2 | - | 4.2 | >3.2 |
| 52 | 5.2 | - | 5.2 | >4.2 |
| 62 | 6.2 | - | 6.2 | >5.2 |
| 72 | 7.2 | - | 7.2 | >6.2 |
| 82 | 8.2 | - | 8.2 | >7.2 |
| 92 | 9.2 | 8.6 | 9.2 | >8.2 |
| 99 | 9.9 | 8.6 | 9.7 | 9.1① |

2K

| Cable Clamp Set | Cable collet (mm) | | Cable dia Range | |
|-----------------|-------------------|------|-----------------|-------|
| code | ΦA | ΦB | Max | Min |
| 62 | 6.2 | - | 6.2 | 4.9 |
| 72 | 7.2 | - | 7.7 | >6.2 |
| 82 | 8.2 | - | 8.0 | 7.1 |
| 92 | 9.2 | - | 9.2 | >7.7 |
| 10 | 10.2 | - | 10.2 | >9.2 |
| 11 | 11.2 | 10.2 | 11.0 | 10.2 |
| 12 | 11.9 | 10.2 | 11.7 | 11.1① |

①This cable collet is only for crimping type cable collet, not fit for cable nut with bend relief type.



RM-W Series

Deepsea Screw Locking Metal Connector

wseries has same insulator and contact configuration as B series:

- secure high performance screw locking system
- Ideal for using underwater 300m
- High pin density contributing to equipment miniaturization
- Alignment Key and Polarized Keying System to avoid cross-interface
- Sealed up to IP68 and hermetic
- 360°EMC shielded
- Robust and shock resistant designs
- Functional in a wide temperature range from -50C to +250°C
- Available solder,PCB and right angle PCB contact



RM-W Series

Plugs



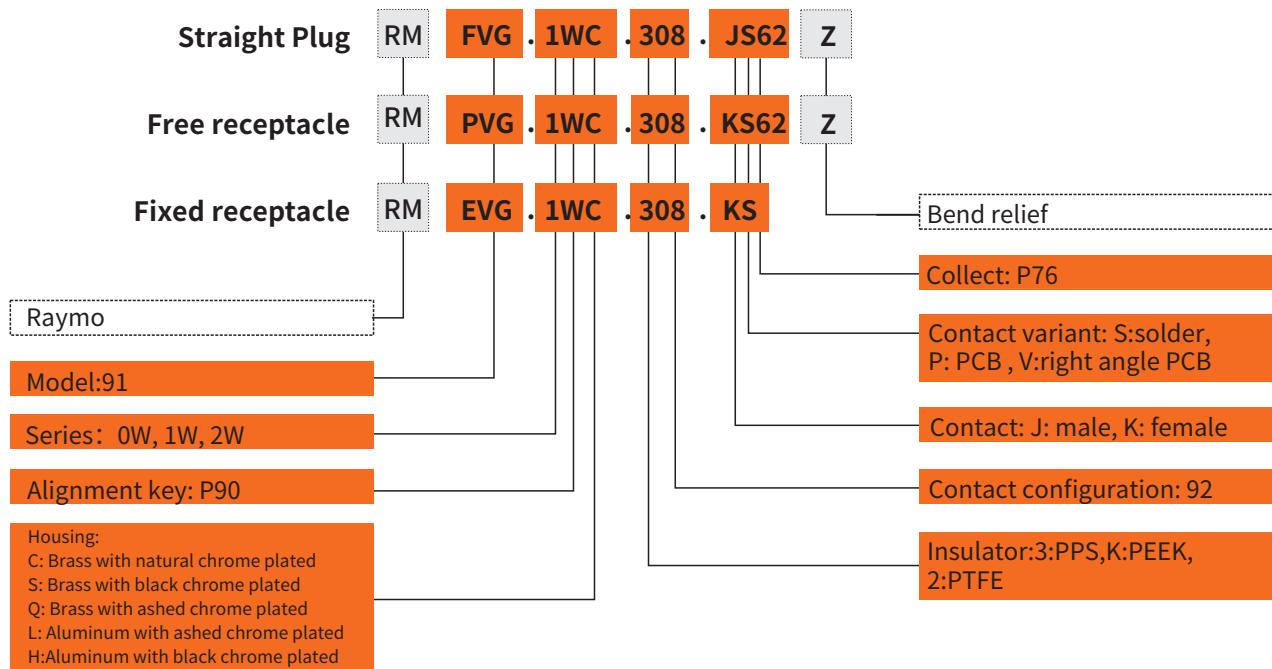
FVG

Receptacles



EVG

Part Numbering System



Part No.Example

Straight plug with cable collect

RM-FVG-1WC-308-JS62l straight plug, 1W series, , multipole 8 contacts, ouer shell in natural chrome-plated brass, PPS insulator, male solder contacts, collet for 6.0 mm diameter cable, with a black bend relief IP68

Fixed receptacle

RM-EVG-1WC-308-KS fixed receptacle, 1W series, multipole 8pin, outer shell in natural chrome-plated brass, PPS insulator, female solder contacts,IP68

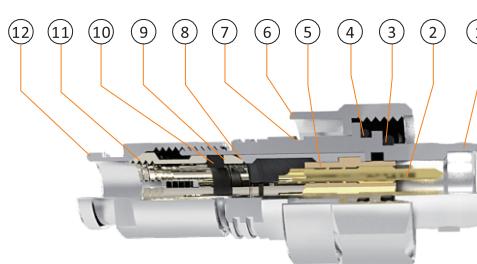
Free receptacle

RM-PVG-1WC-308-KS62Z free receptacle, 1W series, multipole 8pin, outer shell in natural chrome-plated brass, PPS insulator, female solder contacts, collet for 6.0 mm diameter cable, with a black bend relief IP68

Part Section Showing Internal Components

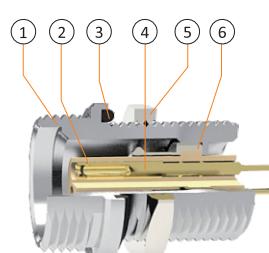
Cable Mount Plug

- ① Inner shell
- ② Male contact
- ③ O-ring 1
- ④ O-ring 2
- ⑤ Insulator
- ⑥ Plug screw
- ⑦ Snap Spring
- ⑧ Earthing tag
- ⑨ Conical gasket
- ⑩ Inner washer
- ⑪ Cable collet
- ⑫ Collet nut



Fixed Receptacle

- ① Outer shell
- ② Insulator
- ③ Washer
- ④ Female contact
- ⑤ Hexagonal nut
- ⑥ Retaining ring



Technical Characteristics

Mechanical and Climatical

| Characteristics | Value | Standard |
|---------------------------|-------------------|----------------------|
| Endurance | >5000cycles | IEC60512-5test9a |
| Humidity | Up to 95% at 60°C | |
| Temperature range | -55°C,+250°C | |
| Resistance to vibration | 10-2000Hz,15g | IEC 60512-4 test 6d |
| Shock resistance | 100g,6ms | IEC 60512-4 test 6c |
| Salt spray corrosion test | >96hrs | IEC 60512-6 test 11f |
| Protection index (mated) | IP68 | IEC 60529 |
| Climatical category | 55/175/21 | IEC 60068-1 |

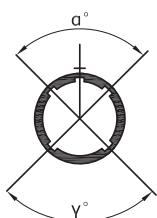
Electrical

| Characteristics | Value | Standard |
|----------------------|-----------|----------|
| Shielding efficiency | at 10 MHZ | >95 dB |
| | at 1 GHz | >80 dB |

Alignment key and Polarized Keys(RM-W series)

RM-W series connector model type are composed of five letters. The LAST LETTER indicates the key position and the contact type(male or female)

Front view of receptacle

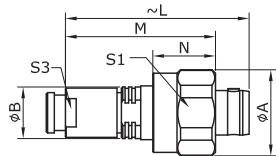


| Code | Keys No. | Angles | Series | | | | Contact Type | | Remark |
|------|----------|--------|--------|-----|-----|-----|--------------|------------|--------|
| | | | 0W | 1W | 2W | 3W | Plug | Receptacle | |
| G | 1 | | 0° | 0° | 0° | 0° | Male | Female | ● |
| A | 2 | | 30° | 30° | 30° | 30° | Male | Female | ● |
| B | 2 | α | 45° | 45° | 45° | 45° | Male | Female | ● |
| C | 2 | γ | 60° | 60° | 60° | 60° | Male | Female | ○ |

● Available
○ Optional



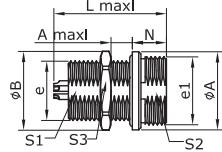
RM-FVG Cable Mount Straight plug, nut for fitting a bend relief



| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|------|------|------|------|----|----|
| Model | Series | A | B | L | M | N | S3 | S3 |
| RM-FVG | 0W | 17.2 | 8.9 | 35.5 | 30.8 | 13.5 | 16 | 8 |
| RM-FVG | 1W | 19.3 | 11.0 | 43.7 | 35.5 | 14.0 | 18 | 9 |
| RM-FVG | 2W | 23.5 | 14.0 | 52.5 | 43.0 | 15.5 | 22 | 12 |



RM-EVG Fixed socket



| Reference | | Dimensions(mm) | | | | | | | | | |
|-----------|--------|----------------|------|---------|---------|-----|------|-----|------|------|----|
| Model | Series | A | B | e | e1 | E | L | N | S1 | S2 | S3 |
| RM-EVG | 0W | 16.2 | 16.0 | M12*1.0 | M14*1.0 | 4.0 | 21.7 | 8.0 | 10.5 | 12.5 | 14 |
| RM-EVG | 1W | 18.3 | 19.5 | M14*1.0 | M16*1.0 | 8.0 | 27.0 | 9 | 12.5 | 14.5 | 17 |
| RM-EVG | 2W | 22.5 | 21.8 | M16*1.0 | M20*1.0 | 9.0 | 30.7 | 12 | 14.5 | 18.5 | 19 |

Insulator Configuration

| | | solder male contact | solder female contact | Insulator | Contact No. | $\varnothing A(MM)$ | Contact type | | | Test voltage(contact -shell) kV AC-rms | Test voltage(contact -contact) kV AC-rms | Rated current/A |
|----------------|----|---------------------|-----------------------|-----------|-------------|---------------------|----------------|----------------------|-------------------|--|--|-----------------|
| | | | | | | | Solder contact | PCB straight contact | PCB elbow contact | | | |
| 00 | 00 | | | 302 | 2 | 0.5 | ● | ● | ● | 1.00 | 0.95 | 5.0 |
| | | | | 303 | 3 | 0.5 | ● | ● | ● | 0.80 | 0.95 | 3.0 |
| | | | | 304 | 4 | 0.5 | ● | ● | ● | 0.80 | 0.65 | 2.0 |
| | | | | 305 | 5 | 0.35 | ● | ● | ● | 0.7 | 0.6 | 1.5 |
| | | | | 307 | 7 | 0.3 | ● | ● | ● | 0.50 | 0.6 | 1.0 |
| 0B 0K 0W | 0B | | | 302 | 2 | 0.9 | ● | ● | ● | 1.30 | 1.05 | 10.0 |
| | | | | 303 | 3 | 0.9 | ● | ● | ● | 1.20 | 0.90 | 8.0 |
| | | | | 304 | 4 | 0.7 | ● | ● | ● | 0.85 | 0.70 | 7.0 |
| | | | | 305 | 5 | 0.7 | ● | ● | ● | 1.00 | 0.70 | 6.5 |
| | | | | 306 | 6 | 0.5 | ● | ● | ● | 0.85 | 0.65 | 2.5 |
| | | | | 307 | 7 | 0.5 | ● | ● | ● | 0.80 | 0.70 | 2.5 |
| | | | | 309 | 9 | 0.5 | ● | ● | ● | 0.60 | 0.50 | 2.0 |
| 1B 1K 1W | 1B | | | 302 | 2 | 1.3 | ● | ● | ● | 1.50 | 1.35 | 15.0 |
| | | | | 303 | 3 | 1.3 | ● | ● | ● | 1.30 | 1.55 | 12.0 |

- First choice alternative
- Special order alternative

Insulator Configuration

| | | solder male contact | solder female contact | Insulator | Contact No. | $\varnothing A(MM)$ | Contact type | | | Test voltage(contact -shell) kV AC-rms | Test voltage(contact -contact) kV AC-rms | Rated current/A |
|----------------|--|---------------------|-----------------------|-----------|----------------|---------------------|----------------------|-------------------|---|--|--|-----------------|
| | | | | | Solder contact | | PCB straight contact | PCB elbow contact | | | | |
| 1B 1K 1W | | | | | | | | | | | | |
| 1B 1K 1W | | | | 304 | 4 | 0.9 | ● | ● | ● | 1.35 | 1.45 | 10.0 |
| 1B 1K 1W | | | | 305 | 5 | 0.9 | ● | ● | ● | 1.25 | 1.15 | 9.0 |
| 1B 1K 1W | | | | 306 | 6 | 0.7 | ● | ● | ● | 1.05 | 1.20 | 7.0 |
| 1B 1K 1W | | | | 307 | 7 | 0.7 | ● | ● | ● | 0.95 | 1.05 | 7.0 |
| 1B 1K 1W | | | | 308 | 8 | 0.7 | ● | ● | ● | 0.95 | 1.15 | 5.0 |
| 1B 1K 1W | | | | 310 | 10 | 0.5 | ● | ● | ● | 0.90 | 1.50 | 2.5 |
| 1B 1K 1W | | | | 314 | 14 | 0.5 | ● | ● | ● | 0.80 | 1.20 | 2.0 |
| 1B 1K 1W | | | | 316 | 16 | 0.5 | ● | ● | ● | 0.80 | 1.25 | 1.5 |
| 2B 2K 2W | | | | 302 | 2 | 2.0 | ● | ● | ● | 2.10 | 1.75 | 25.0 |
| 2B 2K 2W | | | | 303 | 3 | 1.6 | ● | ● | ● | 2.40 | 1.85 | 17.0 |
| 2B 2K 2W | | | | 304 | 4 | 1.3 | ● | ● | ● | 1.85 | 1.85 | 15.0 |
| 2B 2K 2W | | | | 305 | 5 | 1.3 | ● | ● | ● | 1.75 | 1.60 | 14.0 |

- First choice alternative
- Special order alternative

Insulator Configuration

| | | solder male contact | solder female contact | Insulator | Contact No. | $\varnothing A(MM)$ | Contact type | | | Test voltage(contact -shell) kV AC-rms | Test voltage(contact -contact) kV AC-rms | Rated current /A |
|----------------|--|---------------------|-----------------------|-----------|----------------|---------------------|----------------------|-------------------|---|--|--|------------------|
| | | | | | Solder contact | | PCB straight contact | PCB elbow contact | | | | |
| 2B 2K 2W | | | | | | | | | | | | |
| | | | | 306 | 4 | 1.3 | ● | ● | ● | 1.35 | 1.45 | 12.0 |
| | | | | 307 | 7 | 1.3 | ● | ● | ● | 1.75 | 1.60 | 11.0 |
| | | | | 308 | 8 | 0.9 | ● | ● | ● | 1.50 | 1.25 | 10.0 |
| | | | | 310 | 10 | 0.9 | ● | ● | ● | 1.45 | 1.30 | 8.0 |
| | | | | 312 | 12 | 0.7 | ● | ● | ● | 1.25 | 1.35 | 7.0 |
| | | | | 314 | 14 | 0.7 | ● | ● | ● | 1.15 | 1.35 | 6.5 |
| | | | | 316 | 16 | 0.7 | ● | ● | ● | 0.95 | 1.25 | 6.0 |
| | | | | 318 | 18 | 0.7 | ● | ● | ● | 0.85 | 1.20 | 5.5 |
| | | | | 319 | 19 | 0.7 | ● | ● | ● | 0.95 | 1.25 | 5.0 |
| 3B 3K | | | | 302 | 2 | 3.0 | ● | ● | - | 2.10 | 1.55 | 35.0 |
| | | | | 303 | 3 | 2.0 | ● | ● | ● | 1.90 | 1.50 | 25.0 |

- First choice alternative
- Special order alternative

Insulator Configuration

| | solder male contact | solder female contact | Insulator | Contact No. | $\varnothing A(MM)$ | Contact type | | | Test voltage(contact -shell) k/v AC-rms | Test voltage(contact -contact) k/v AC-rms | Rated current /A |
|----------|---------------------|-----------------------|-----------|-------------|---------------------|----------------|----------------------|-------------------|---|---|------------------|
| | | | | | | Solder contact | PCB straight contact | PCB elbow contact | | | |
| 3B 3K | | | 304 | 4 | 2.0 | ● | ● | ● | 1.45 | 1.25 | 19.0 |
| | | | 305 | 5 | 1.6 | ● | ● | ● | 1.90 | 1.25 | 19.0 |
| | | | 306 | 6 | 1.6 | ● | ● | ● | 1.60 | 1.15 | 17.0 |
| | | | 307 | 7 | 1.6 | ● | ● | ● | 1.70 | 1.25 | 15.0 |
| | | | 308 | 8 | 1.3 | ● | ● | ● | 1.65 | 1.15 | 13.0 |
| | | | 309 | 8 1 | 1.3 2.0 | ● | ● | - | 1.35 1.35 | 1.05 1.05 | 6.0 15.0 |
| | | | 310 | 10 | 1.3 | ● | ● | ● | 1.25 | 0.90 | 12.0 |
| | | | 312 | 12 | 0.9 | ● | ● | ● | 1.45 | 1.00 | 9.0 |
| | | | 314 | 14 | 0.9 | ● | ● | ● | 1.20 | 1.20 | 9.0 |
| | | | 316 | 16 | 0.9 | ● | ● | ● | 1.20 | 0.85 | 8.0 |
| | | | 330 | 30 | 0.7 | ● | ● | ● | 0.80 | 0.70 | 3.5 |
| | | | 332 | 32 | 0.7 | ● | ● | ● | 0.75 | 0.70 | 3.0 |

● First choice alternative
 ○ Special order alternative





RM-M series

Ratchet-coupling mechanism

- Quick mating: less than 3/4 turn to seat
- Compact design for space savings, Lightweight
- Available solder,PCB and right angle PCB contact
- 360° screening for full EMC shielding
- Oil and fuel resistant and High vibration and shock resistance
- Sealed to IP68 when mated
- Colour coding / keying – Reverse gender configuration

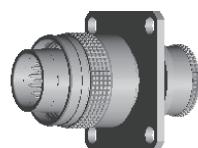


RM-M Series

Plugs

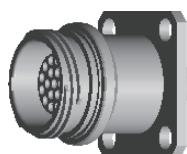


FMN



FXN

Receptacles



EDN



PFN



PBN



HEN



ECN

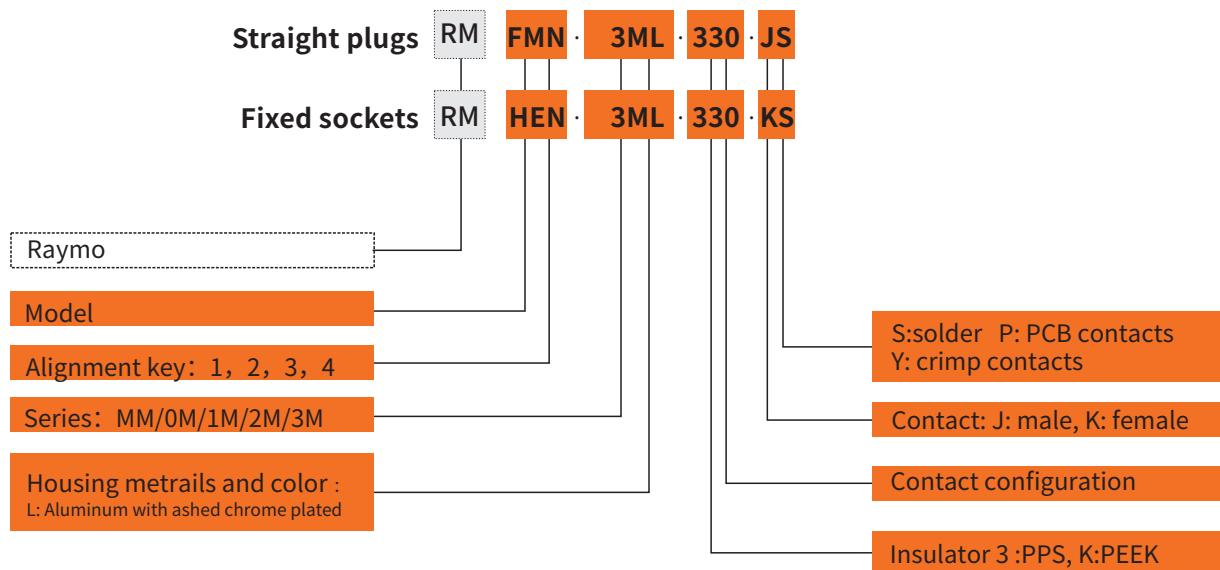


EGN



PMN

Part Numbering System



Part No.Example

Straight plug

RM-FMN-3ML-330JS= straight plug with key (N), 3M series, multipole type with 30 contacts, outer shell in anthracite nickel-plated aluminium alloy, PPS insulator, male solder contacts.

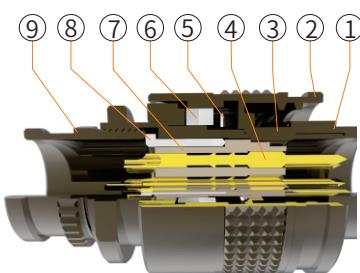
Fixed sockets

RM-HEN-3ML-330-KS=fixed socket, nut fixing, with key (N), 3M series, multipole type with 30 contacts, outer shell in anthracite nickel-plated aluminium alloy, PPS, female solder contacts, watertight.

Part Section Showing Internal Components

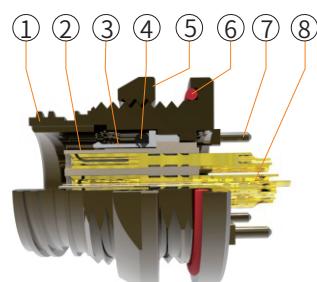
straight plug

- ① Plug sleeve
- ② Outer shell
- ③ Inner sleeve
- ④ Male contacts
- ⑤ Wave gasket
- ⑥ Ratchet mechanism
- ⑦ Insulator
- ⑧ Ground pin
- ⑨ Back nut



Fixed socket

- ① Outer shell
- ② Insulator
- ③ Retaining ring
- ④ Innder
- ⑤ O ring
- ⑥ Hexagonal nut
- ⑦ Outer O ring
- ⑧ Earthing crown



Technical Characteristics

Mechanical and Climatical

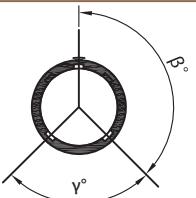
| Characteristics | Value | Standard |
|---------------------------|--|----------------------|
| Endurance | 3000 cycle | IEC60512-5test9a |
| Humidity | 95% 21 days | IEC 60068-2 |
| Temperature range | -55°C ~ 200°C 30min, 10 cycles | GJB1217A |
| Resistance to vibration | 50-2000 Hz, 37.8 g rms-3 axes; 4h amb | IEC 60512-4 test 6d |
| Shock resistance | 300 g - 3 msec | IEC 60512-4 test 6c |
| Salt spray corrosion test | 96H | IEC 60512-6 test 11f |
| Protection index (mated) | IP68 | IEC 60529 |
| Climatical category | > 10 ¹² Ω, > 10 ¹⁰ Ω | IEC 60512-2 |

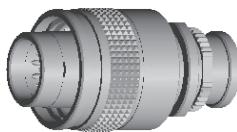
Electrical

| Characteristics | | Value | Standard |
|----------------------|-----------|--------|---------------|
| Shielding efficiency | at 10 MHZ | >75 dB | IEC 60619-1-3 |
| | at 1 GHz | >40 dB | IEC 60619-1-3 |

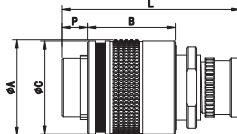
Alignment Key and Polarized Keying System

Mseries connector model part numbers are composed of three letters. The LAST LETTER indicates the keys corresponding to a particular contact type. For example, straight plugs with N,P, R, U or W keys, are fitted with male contacts; whereas with S, T, V or X keys,plugs are fitted with female contacts. Sockets with N,P,R, U or W keys, are fitted with female contacts; whereas with S, T, V or X keys, sockets are fitted with male contacts.

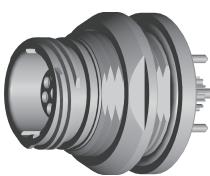
| Front view of a socket | Model | Nb of keys | Angles | | Colour code | Contact type | |
|---|-------|------------|--------|------|-------------|--------------|--------|
| | | | β | γ | | | |
|  | **N | 3 | 165° | 30° | blue | male | female |
| | **P | | 150° | 60° | yellow | | |
| | **U | | 130° | 100° | green | | |
| | **S | | 155° | 50° | red | female | male |
| | **T | | 135° | 90° | orange | | |



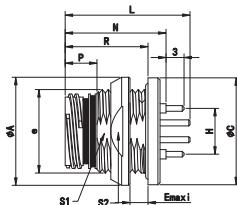
RM-FMN Straight plug, key (N) or keys (P,R,S,T,U,V,W and X)



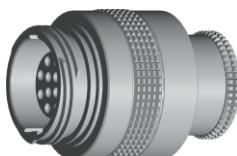
| Reference | | Dimensions(mm) | | | | |
|-----------|--------|----------------|------|------|-----|------|
| Model | Series | A | B | C | P | L |
| RM-FMN | MM | 11.1 | 13.4 | 10.7 | 5.5 | 21.3 |
| RM-FMN | 0M | 13.1 | 13.4 | 12.7 | 3.9 | 24.1 |
| RM-FMN | 1M | 14.6 | 13.4 | 14.2 | 3.9 | 24.1 |
| RM-FMN | 2M | 17.6 | 13.4 | 17.2 | 3.9 | 24.5 |
| RM-FMN | 3M | 19.6 | 13.4 | 19.2 | 3.9 | 24.5 |



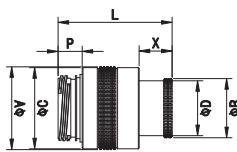
RM-HEN Fixed socket,nut fixing,key (N) or keys (P,R,S,T,U,V,W and X),print.circuit,watertight(back panel mount).



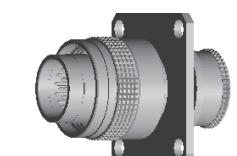
| Reference | | Dimensions(mm) | | | | | | | | | | |
|-----------|--------|----------------|------|----------|-----|-------|------|------|-----|------|------|----|
| Model | Series | A | B | e | E | H | L | N | P | R | S1 | S2 |
| RM-HEN | MM | 14 | 13.8 | M10*0.50 | 4.0 | 5.08 | 20.4 | 15.3 | 3.7 | 10.5 | 9.0 | 11 |
| RM-HEN | 0M | 17 | 16.8 | M13*0.75 | 5.0 | 5.08 | 20.8 | 16.8 | 5.3 | 13.8 | 11.5 | 14 |
| RM-HEN | 1M | 18 | 17.8 | M14*1.00 | 5.0 | 7.62 | 20.8 | 16.8 | 5.3 | 13.8 | 12.5 | 16 |
| RM-HEN | 2M | 21 | 20.8 | M17*1.00 | 5.0 | 8.89 | 20.8 | 16.8 | 5.3 | 13.8 | 15.5 | 18 |
| RM-HEN | 3M | 23 | 22.8 | M19*1.00 | 5.0 | 10.16 | 20.8 | 16.8 | 5.3 | 13.8 | 17.5 | 20 |



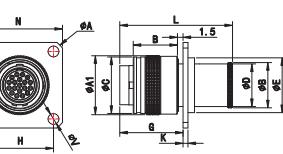
RM-PMN Free socket, key (N) or keys (P,R,S,T,U,V,W and X),with knurled grip.



| Reference | | Dimensions(mm) | | | | | | |
|-----------|--------|----------------|------|------|------|------|-----|-----|
| Model | Series | A | B | C | D | L | P | X |
| RM-PMN | MM | 11.1 | 6.4 | 10.7 | 5.6 | 21.4 | 3.7 | 5.8 |
| RM-PMN | 0M | 13.1 | 8.8 | 12.7 | 8.0 | 25.6 | 5.3 | 6.7 |
| RM-PMN | 1M | 14.6 | 10.5 | 14.2 | 9.7 | 25.6 | 5.3 | 6.7 |
| RM-PMN | 2M | 17.6 | 14.0 | 17.2 | 13.0 | 26.0 | 5.3 | 7.1 |
| RM-PMN | 3M | 19.6 | 16.0 | 19.2 | 15.0 | 26.0 | 5.3 | 7.1 |



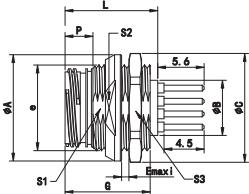
RM-FXN Straight plug with square flange, key (N) or keys (P,R,S,T,U,V,W and X),with knurled grip and MIL-DTL-38999L shell thread.



| Reference | | Dimensions(mm) | | | | | | | | | | | |
|-----------|--------|----------------|------|------|------|------|------|------|------|-----|------|------|-----|
| Model | Series | A | A1 | B | C | D | E | G | H | K | L | N | V |
| RM-FXN | MM | 21.5 | 11.1 | 6.4 | 10.7 | 5.6 | 9.5 | 17.0 | 12.0 | 1.5 | 26.1 | 17.0 | 2.7 |
| RM-FXN | 0M | 26.9 | 13.1 | 8.8 | 12.7 | 8.0 | 12.2 | 18.9 | 15.1 | 1.5 | 29.1 | 20.6 | 2.7 |
| RM-FXN | 1M | 31.4 | 14.6 | 10.5 | 14.2 | 9.7 | 13.7 | 18.9 | 18.3 | 1.5 | 29.1 | 23.8 | 3.3 |
| RM-FXN | 2M | 34.6 | 17.6 | 14.0 | 17.2 | 13.0 | 16.7 | 18.9 | 20.6 | 1.5 | 29.5 | 26.1 | 3.3 |
| RM-FXN | 3M | 34.6 | 19.6 | 16.0 | 19.2 | 15.0 | 18.7 | 18.9 | 20.6 | 1.5 | 29.5 | 26.1 | 3.3 |



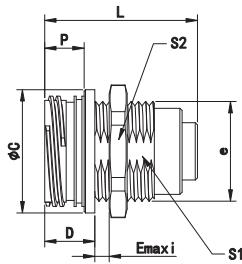
RM-ECN Fixed socket with two nuts, key (N) or keys (P,R,S,T,U,V,W and X)



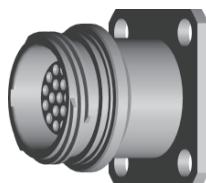
| Reference | | Dimensions(mm) | | | | | | | | | | |
|-----------|--------|----------------|-------|------|-----|----------|------|------|-----|------|------|------|
| Model | Series | A | B | C | E | e | G | L | P | S1 | S2 | S3 |
| RM-ECN | MM | 14 | 2.85 | 13.5 | 5.0 | M10*0.50 | 13.8 | 15.0 | 3.7 | 9.0 | 11.0 | 12.0 |
| RM-ECN | 0M | 17 | 4.72 | 18.2 | 5.0 | M13*0.75 | 16.8 | 18.3 | 5.3 | 11.5 | 14.0 | 16.0 |
| RM-ECN | 1M | 18 | 5.95 | 19.2 | 5.0 | M14*1.00 | 16.8 | 18.3 | 5.3 | 12.5 | 16.0 | 17.0 |
| RM-ECN | 2M | 21 | 8.95 | 21.5 | 4.0 | M17*1.00 | 16.8 | 18.3 | 5.3 | 15.5 | 18.0 | 19.0 |
| RM-ECN | 3M | 23 | 10.95 | 25.0 | 4.0 | M19*1.00 | 16.8 | 18.3 | 5.3 | 17.5 | 20.0 | 22.0 |



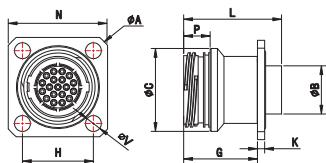
RM-EGN Fixed socket, nut fixing, key (N) or keys (P,R,S,T,U,V,W and X)



| Reference | | Dimensions(mm) | | | | | | | | |
|-----------|--------|----------------|-----|---------|-----|------|-----|------|-----|------|
| Model | Series | A | C | e | E | H | L | N | P | R |
| RM-EGN | MM | 10.7 | 5.2 | M7*0.50 | 4.5 | 15.0 | 3.7 | 6.3 | 3.7 | 9.0 |
| RM-EGN | 0M | 12.7 | 6.8 | M9*0.60 | 5.0 | 18.3 | 5.3 | 8.2 | 5.3 | 11.0 |
| RM-EGN | 1M | 14.2 | 6.8 | M11*1.0 | 4.5 | 18.3 | 5.3 | 9.5 | 5.3 | 13.0 |
| RM-EGN | 2M | 17.2 | 6.8 | M14*1.0 | 4.5 | 18.3 | 5.3 | 12.5 | 5.3 | 17.0 |
| RM-EGN | 3M | 19.2 | 6.8 | M16*1.0 | 5.0 | 18.3 | 5.3 | 14.5 | 5.3 | 19.0 |



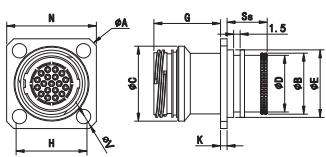
RM-EDN Fixed socket with square flange, key (N) or keys (P,R,S,T,U,V,W and X)



| Reference | | Dimensions(mm) | | | | | | | | | V |
|-----------|--------|----------------|-------|------|------|------|-----|------|------|-----|-----|
| Model | Series | A | B | C | G | H | K | L | N | P | |
| RM-EDN | MM | 18.6 | 4.7 | 10.7 | 10.7 | 9.5 | 1.5 | 17.0 | 14.5 | 3.7 | 2.7 |
| RM-EDN | 0M | 20.6 | 4.72 | 12.7 | 12.7 | 11.0 | 1.5 | 18.3 | 16.0 | 5.3 | 2.7 |
| RM-EDN | 1M | 23.8 | 5.95 | 14.2 | 14.2 | 12.9 | 1.5 | 18.3 | 18.4 | 5.3 | 3.3 |
| RM-EDN | 2M | 26.9 | 8.95 | 17.2 | 17.2 | 15.1 | 1.5 | 18.3 | 20.6 | 5.3 | 3.3 |
| RM-EDN | 3M | 29.0 | 10.95 | 19.2 | 19.2 | 16.6 | 1.5 | 18.3 | 22.1 | 5.3 | 3.3 |



RM-PFN Fixed socket with antivibration flange, key (N) or keys (P,R,S,T,U,V,W and X)



| Reference | | Dimensions(mm) | | | | | | | | | V | |
|-----------|--------|----------------|------|------|------|------|------|------|-----|------|------|-----|
| Model | Series | A | B | C | D | E | G | H | K | N | Ss | |
| RM-PFN | MM | 18.6 | 6.4 | 10.7 | 5.6 | 7.8 | 12.3 | 9.5 | 1.5 | 14.5 | 10.6 | 2.7 |
| RM-PFN | 0M | 20.6 | 8.8 | 12.7 | 8.0 | 10.7 | 12.8 | 11.0 | 1.5 | 16.0 | 11.3 | 2.7 |
| RM-PFN | 1M | 23.8 | 10.5 | 14.2 | 9.7 | 12.4 | 12.8 | 12.9 | 1.5 | 18.4 | 11.3 | 3.3 |
| RM-PFN | 2M | 26.9 | 14.0 | 17.2 | 13.0 | 15.5 | 12.8 | 15.1 | 1.5 | 20.6 | 11.7 | 3.3 |
| RM-PFN | 3M | 29.0 | 16.0 | 19.2 | 15.0 | 17.5 | 12.8 | 16.6 | 1.5 | 22.1 | 11.7 | 3.3 |



RM-PBN Fixed socket with two nuts, key (N) or keys (P,R,S,T,U,V,W and X)

| Model | Series | Dimensions(mm) | | | | | | | | | |
|--------|--------|----------------|------|------|------|-----|------|------|-----|------|-----|
| | | A | B | C | D | G | H | N | P | Ss | X |
| RM-PBN | MM | 21.0 | 6.4 | 11.3 | 5.6 | 6.7 | 16.2 | 12.5 | 3.7 | 13.2 | 5.8 |
| RM-PBN | 0M | 27.0 | 8.8 | 14.5 | 8.0 | 8.3 | 21.4 | 16.0 | 5.3 | 15.3 | 6.7 |
| RM-PBN | 1M | 29.0 | 10.5 | 16.5 | 9.7 | 8.3 | 23.4 | 18.0 | 5.3 | 15.3 | 6.7 |
| RM-PBN | 2M | 32.0 | 14.0 | 19.5 | 13.0 | 8.3 | 26.4 | 21.0 | 5.3 | 15.7 | 7.1 |
| RM-PBN | 3M | 35.0 | 16.0 | 21.5 | 15.0 | 8.3 | 29.0 | 23.0 | 5.3 | 15.7 | 7.1 |

Technical Characteristics

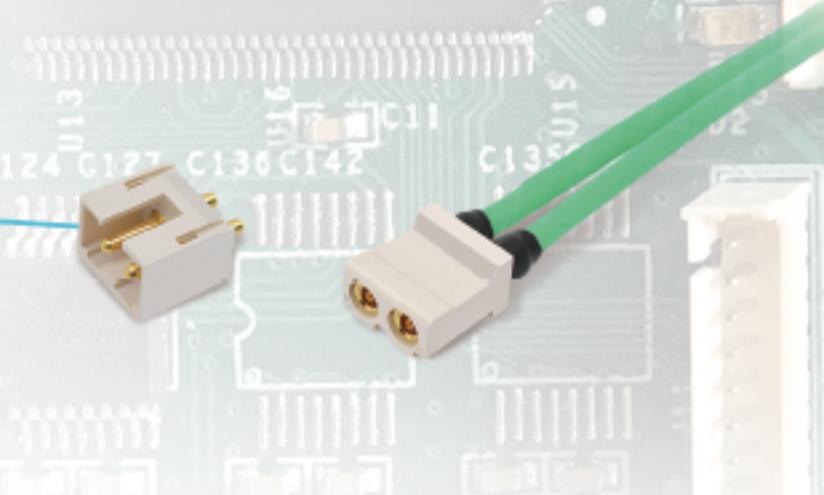
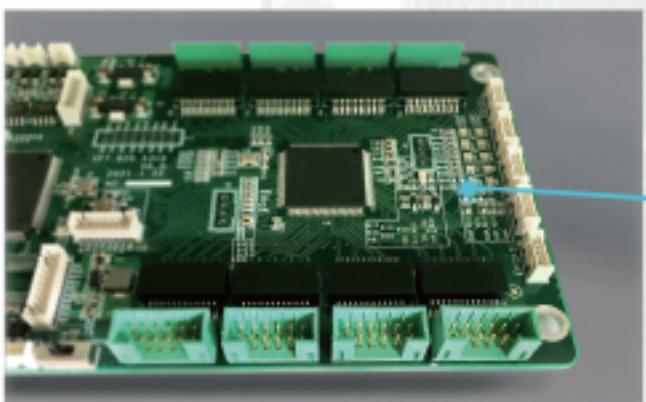
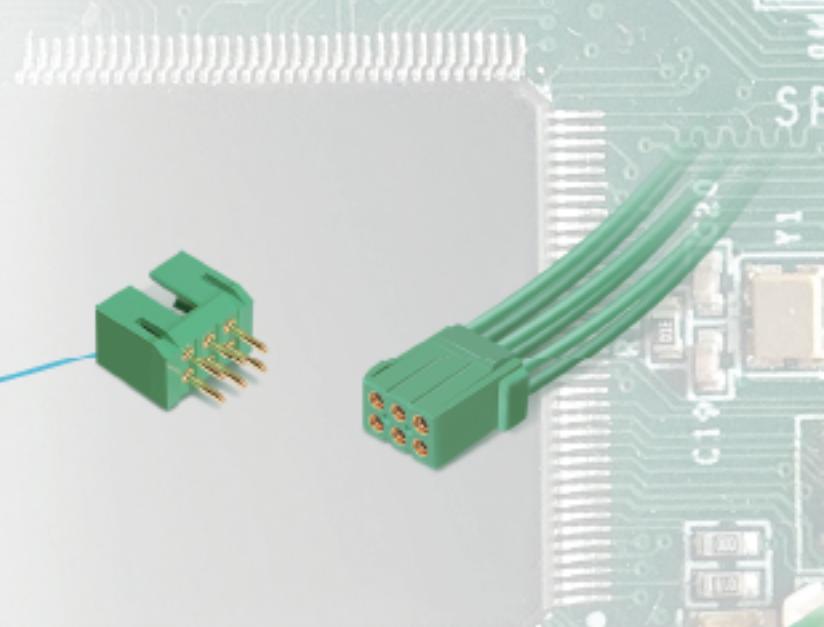
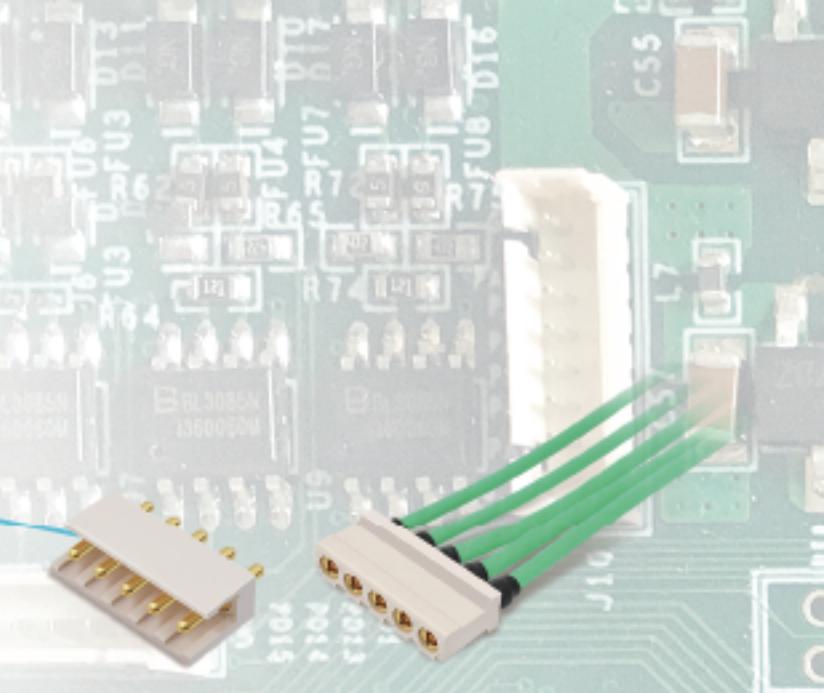
| | | solder male contact | solder female contact | Insulator | Contact No. | $\varnothing A(MM)$ | Contact type | | | Test voltage(contact -shell) k/v AC-rms | Test voltage(contact contact) k/v AC-rms | Rated current /A |
|----|-----|---------------------|-----------------------|-----------|-------------|---------------------|----------------|----------------------|-------------------|---|--|------------------|
| | | Solder contact | PCB straight contact | | | | Solder contact | PCB straight contact | PCB elbow contact | | | |
| MM | 303 | 3 | 0.5 | | | | ● | ● | 28 30 32 | 1.15 | 0.95 | 3.0 |
| | 304 | 4 | 0.5 | | | | ● | ● | 28 30 32 | 0.95 | 0.90 | 2.0 |
| 0M | 302 | 2 | 0.9 | | | | ● | ● | 20 22 24 | 1.45 | 1.00 | 10.0 |
| | 303 | 3 | 0.9 | | | | ● | ● | 20 22 24 | 1.70 | 1.40 | 8.0 |
| | 304 | 4 | 0.7 | | | | ● | ● | 22 24 26 | 1.35 | 0.90 | 7.0 |
| | 305 | 5 | 0.7 | | | | ● | ● | 22 24 26 | 1.25 | 1.00 | 6.5 |
| 1M | 302 | 2 | 1.3 | | | | ● | ● | 16 18 20 | 1.50 | 1.10 | 19.0 |
| | 303 | 3 | 1.3 | | | | ● | ● | 16 18 20 | 1.05 | 0.95 | 15.5 |
| | 305 | 5 | 0.9 | | | | ● | ● | 20 22 24 | 1.30 | 1.30 | 9.0 |
| | 307 | 7 | 0.7 | | | | ● | ● | 22 24 26 | 1.45 | 1.20 | 7.0 |
| | 308 | 8 | 0.7 | | | | ● | ● | 22 24 26 | 1.30 | 1.10 | 5.0 |

- First choice alternative
- Special order alternative

Technical Characteristics

| | | solder male contact | solder female contact | Insulator | Contact No. | $\varnothing A(MM)$ | Contact type | | Test voltage(contact -shell) k/v AC-rms | Test voltage(contact -contact)k/v AC-rms | Rated current /A | |
|----|--|---------------------|-----------------------|-----------|-------------|---------------------|----------------|----------------------|---|--|------------------|------|
| | | | | | | | Solder contact | PCB straight contact | PCB elbow contact | | | |
| 2M | | | | 304 | 4 | 1.3 | ● | ● | 16 18 20 | 1.85 | 1.85 | 15.0 |
| | | | | | | | | | 20 22 24 | 1.50 | 1.25 | 10.0 |
| | | | | | | | | | 20 22 24 | 1.45 | 1.30 | 8.0 |
| | | | | | | | | | 20 22 24 | 1.25 | 1.35 | 7.0 |
| | | | | | | | | | 22 24 26 | 0.95 | 1.25 | 5.0 |
| 3M | | | | 322 | 22 | 0.7 | ● | ● | 22 24 26 | 1.25 | 1.15 | 4.0 |
| | | | | | | | | | 22 24 26 | 1.10 | 1.00 | 3.5 |

- First choice alternative
- Special order alternative



PCB Application



RM-S Series

Half-moon Push Pull Self-locking Connector

- secure high performance push pull self-locking system
- Unique half-moon design for blind-mated
- High pin density contributing to equipment miniaturization
- 360°EMC shielded
- Robust and shock resistant designs
- Functional in a wide temperature range from -50°C to +250°C
- Available solder, PCB and right angle PCB contact



RM-S Series

Plugs



FFA



FFA



FFY

Receptacles



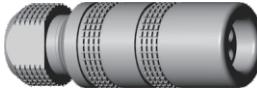
ERA



ERN



EPE

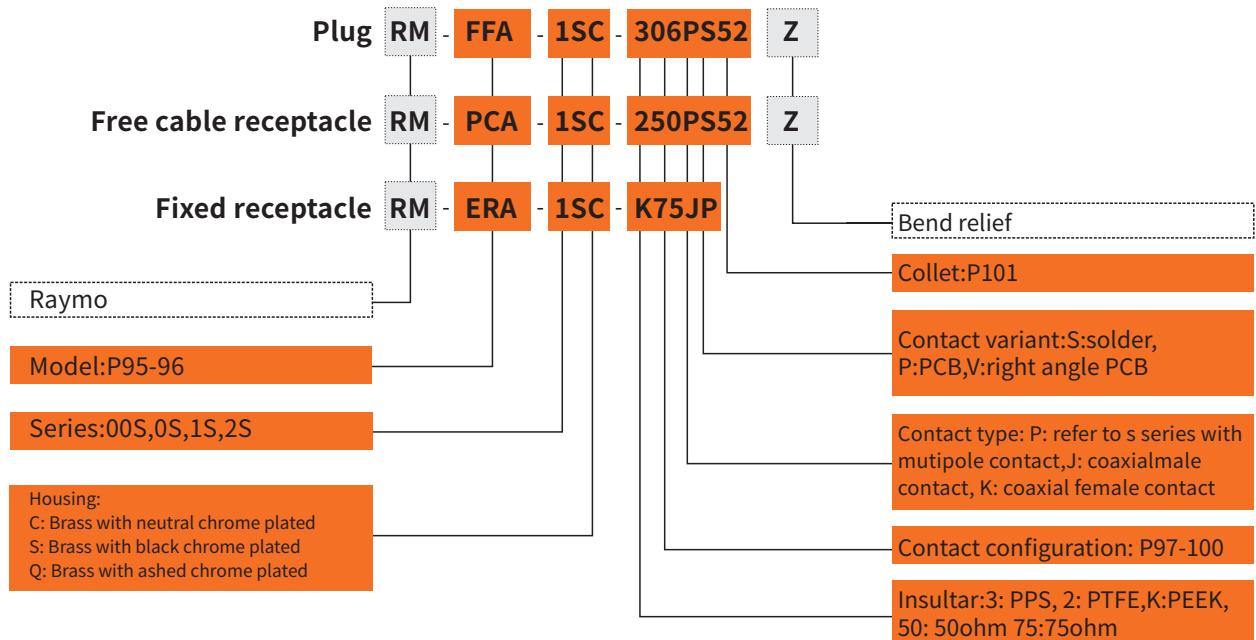


PCA



PCA

Part Number System



Part Number Example

Straight plug with cable collet

RM-FFA-1SC-306-JS52Z straight plug with cable collet,1S series, multipole 6 contacts, outer shell in natural chrome-plated brass, PPSs insulator, 3 male and 3 female solder contacts, cable collet for 4.2-5.2 mm diameter cable, with a black bend relief.

Fixed receptacle

RM-ERA-1SC-K75-KP fixed receptacle, nut fixing,1S series , coaxial female contact in PCB type, outshell in natural chrome-plated brass,PEEK insulator.

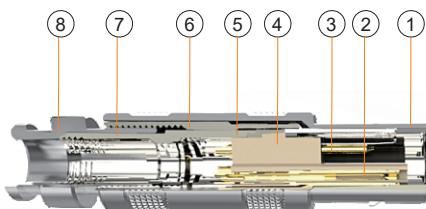
Free cable receptacle

RM-PCA-1SC-250-KS52Z free cable receptacle with cable collet,1s series, coaxial female contact, outshell in naturalchrome-plated brass,PTFE insulator, collet for 4.2-5.2mm diameter cable with a black colour bend relief.

Part Section Showing Internal Components

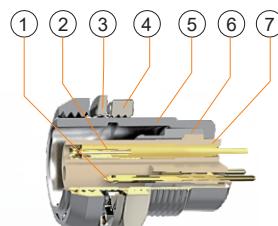
Cable Mount Plug

- ① Outer shell
- ② Female contact
- ③ Male contact
- ④ Insulator
- ⑤ Split insert carrier A/B
- ⑥ Latch sleeve
- ⑦ Cable collet
- ⑧ Collet nut



Fixed Receptacle

- ① Male contact
- ② Female contact
- ③ Locking washer
- ④ Hexagonal nut
- ⑤ Outer shell
- ⑥ Earthing crown
- ⑦ Insulator



Technical Characteristics

Mechanical and Climatical

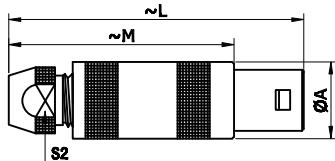
| Characteristics | Value | Standard |
|---------------------------|-------------------|----------------------|
| Endurance | >5000cycles | IEC60512-5 test 9a |
| Humidity | Up to 95% at 60°C | |
| Temperature range | -55°C,+250°C | |
| Resistance to vibration | 10-2000Hz,15g | IEC 60512-4 test 6d |
| Shock resistance | 100g,6ms | IEC 60512-4 test 6c |
| Salt spray corrosion test | >96h | IEC 60512-6 test 11f |
| Protection index (mated) | IP50 | IEC 60529 |
| Climatical category | 55/175/21 | IEC 60068-1 |

Electrical

| Characteristics | | Value | Standard |
|----------------------|-----------|--------|---------------|
| Shielding efficiency | at 10 MHZ | >75 dB | IEC 60619-1-3 |
| | at 1 GHz | >40 dB | IEC 60619-1-3 |



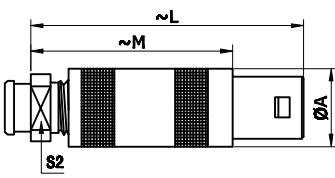
RM-FFA Cable Mount Straight Plug



| Reference | | Dimensions(mm) | | | |
|-----------|--------|----------------|------|------|------|
| Model | Series | A | L | M | S2 |
| RM-FFA | 00S | 6.4 | 26.0 | 18.0 | 4.5 |
| RM-FFA | 0S | 9.0 | 34.5 | 24.5 | 6.5 |
| RM-FFA | 1S | 12.0 | 42.5 | 31.5 | 8.5 |
| RM-FFA | 2S | 14.8 | 52.0 | 40.0 | 11.0 |
| RM-FFA | 3S | 17.8 | 61.0 | 46.0 | 14.0 |



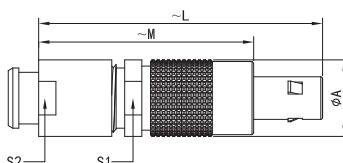
RM-FFA Cable Mount Straight Plug and Nut for fitting a bend relief



| Reference | | Dimensions(mm) | | | |
|-----------|--------|----------------|------|------|------|
| Model | Series | A | L | M | S2 |
| RM-FFA | 00S | 6.4 | 26.0 | 18.0 | 4.5 |
| RM-FFA | 0S | 9.0 | 34.5 | 24.5 | 6.5 |
| RM-FFA | 1S | 12.0 | 42.5 | 31.5 | 8.5 |
| RM-FFA | 2S | 14.8 | 52.0 | 40.0 | 11.0 |
| RM-FFA | 3S | 17.8 | 61.0 | 46.0 | 14.0 |



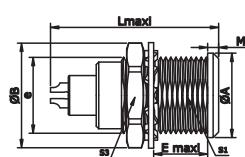
RM-FFY Cable Mount Straight Plug



| Reference | | Dimensions(mm) | | | | | |
|-----------|--------|----------------|------|----|-----|-----|--|
| Model | Series | A | M | L | S1 | S2 | |
| RM-FFY | 00 | 8.9 | 25.0 | 33 | 8.0 | 8.0 | |



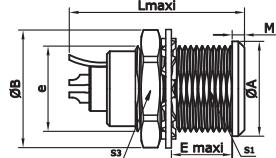
RM-ERA Panel Mount Fixed Receptacle, Nut fixing



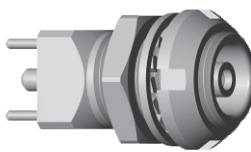
| Reference | | Dimensions(mm) | | | | | | | |
|-----------|--------|----------------|------|---------|------|------|-----|------|------|
| Model | Series | A | B | e | E | L | M | S1 | S3 |
| RM-ERA | 00S | 8.0 | 10.2 | M7*0.5 | 5.5 | 14.5 | 1.0 | 6.3 | 9.0 |
| RM-ERA | 0S | 10.0 | 12.4 | M9*0.6 | 7.0 | 17.5 | 1.2 | 8.2 | 11.0 |
| RM-ERA | 1S | 14.0 | 15.8 | M12*1.0 | 7.5 | 20.2 | 1.5 | 10.5 | 14.0 |
| RM-ERA | 2S | 18.0 | 19.2 | M15*1.0 | 8.5 | 24.5 | 1.8 | 13.5 | 17.0 |
| RM-ERA | 3S | 22.0 | 25.0 | M18*1.0 | 11.5 | 29.0 | 2.0 | 16.5 | 22.0 |



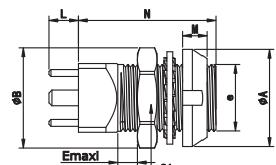
RM-ERN Panel Mount Fixed Receptacle, Nut fixing,with earthing tag



| Reference | | Dimensions(mm) | | | | | | | | |
|-----------|--------|----------------|------|---------|------|------|-----------------|-----|------|------|
| Model | Series | A | B | e | E | L | L ¹⁾ | M | S1 | S3 |
| RM-ERN | 0S | 10.0 | 12.4 | M9*0.6 | 7.0 | 19.3 | 19.3 | 1.2 | 8.2 | 11.0 |
| RM-ERN | 1S | 14.0 | 15.8 | M12*1.0 | 7.5 | 22.4 | 22.4 | 1.5 | 10.5 | 14.0 |
| RM-ERN | 2S | 18.0 | 19.2 | M15*1.0 | 8.5 | 26.3 | 26.3 | 1.8 | 13.5 | 17.0 |
| RM-ERN | 3S | 22.0 | 25.0 | M18*1.0 | 11.5 | 29.8 | 29.8 | 2.0 | 16.5 | 22.0 |



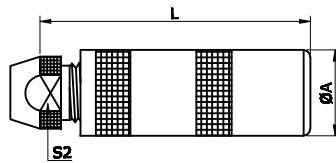
RM-EPE Panel Mount Receptacle



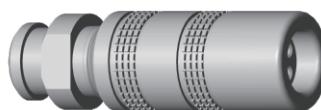
| Reference | | Dimensions(mm) | | | | | | | |
|-----------|--------|----------------|------|--------|-----|-----|------|-----|-----|
| Model | Series | A | B | e | E | M | N | L | S1 |
| RM-ERE | 00S | 10.0 | 10.2 | M7*0.5 | 4.5 | 2.5 | 14.0 | 3.0 | 9.0 |



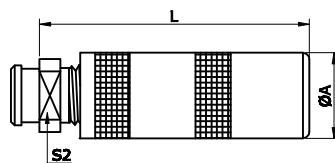
RM-PCA Cable Mount Receptacle



| Reference | | Dimensions(mm) | | |
|-----------|--------|----------------|------|------|
| Model | Series | A | L | S2 |
| RM-PCA | 00S | 6.5 | 25.0 | 6.0 |
| RM-PCA | 0S | 8.9 | 33.5 | 7.0 |
| RM-PCA | 1S | 11.9 | 40.5 | 9.0 |
| RM-PCA | 2S | 14.8 | 50.0 | 12.0 |
| RM-PCA | 3S | 17.8 | 59.0 | 14.0 |

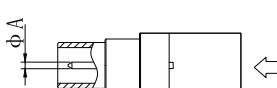


RM-PCA Cable Mount Receptacle,nut for fitting a bend relief



| Reference | | Dimensions(mm) | | |
|-----------|--------|----------------|------|------|
| Model | Series | A | L | S2 |
| RM-PCA | 00S | 6.5 | 25.0 | 6.0 |
| RM-PCA | 0S | 8.9 | 33.5 | 7.0 |
| RM-PCA | 1S | 11.9 | 40.5 | 9.0 |
| RM-PCA | 2S | 14.8 | 50.0 | 12.0 |
| RM-PCA | 3S | 17.8 | 59.0 | 14.0 |

Insulator Configuration

| | |  | | Code | Ohm(Ω) | Contact diameter | Contact No. | Contact max. diameter | Insert max. diameter | Voltage standing-wave ratio VSWR(F=GHz) | Test voltage(kv/rms) | Current rate (A) |
|----|--|---|--|------|--------|------------------|-------------|-----------------------|----------------------|---|----------------------|------------------|
| 00 | | | | 250 | 50 | 0.7 | 50 | 1.05 | 3.05 | $1.09 +0.11f$ | 2.1 | 4 |
| 0S | | | | 250 | 50 | 0.9 | 50 | 0.95 | 2.95 | $1.02 +0.25f$ | 1.0 | 6 |
| 1S | | | | 250 | 50 | 1.6 | 50 | 1.35 | 3.95 | $1.01 +0.23f$ | 1.0 | 12 |
| | | | | 275 | 75 | 1.3 | 75 | 1.05 | 3.95 | $1.02 +0.08f$ | 0.8 | 10 |
| 2S | | | | 250 | 50 | 2.0 | 50 | 1.75 | 5.95 | $1.01 +0.95f$ | 1.0 | 15 |
| | | | | 275 | 75 | 1.6 | 75 | 1.35 | 5.95 | $1.02 +0.03f$ | 0.5 | 12 |

- First choice alternative
- Special order alternative

Insulator Configuration

| | | | | Insulator | Contact No. | $\varnothing A(MM)$ | Contact type | | | Test voltage(contact -shell) k/v AC-rms | Test voltage(contact -contact) k/v AC-rms | Rated current /A |
|----|--|--|--|-----------|-------------|---------------------|----------------|----------------------|-------------------|---|---|------------------|
| | | | | | | | Solder contact | PCB straight contact | PCB elbow contact | | | |
| 0S | | | | 302 | 2 | 0.9 | ● | ● | ● | 1.50 | 2.10 | 10.0 |
| | | | | | | | ● | ● | ● | 1.00 | 1.50 | 7.0 |
| | | | | | | | ● | ● | ● | 1.00 | 1.50 | 7.0 |
| | | | | | | | ● | ● | ● | 1.50 | 2.10 | 10.0 |
| | | | | | | | ● | ● | ● | 1.50 | 2.10 | 7.0 |
| 1S | | | | 302 | 2 | 1.3 | ● | ○ | ○ | 1.20 | 1.80 | 15.0 |
| | | | | | | | ● | ● | ○ | 1.20 | 1.80 | 10.0 |
| | | | | | | | ● | ● | ● | 1.20 | 1.80 | 10.0 |
| | | | | | | | ● | ● | ● | 1.50 | 2.10 | 10.0 |
| | | | | | | | ● | ● | ● | 1.50 | 2.10 | 7.0 |
| 2S | | | | 302 | 2 | 1.6 | ● | ○ | ○ | 1.70 | 2.40 | 20.0 |
| | | | | | | | ● | ○ | ○ | 1.50 | 2.10 | 15.0 |
| | | | | | | | ● | ○ | ○ | 1.70 | 2.40 | 15.0 |
| | | | | | | | ● | ○ | ○ | 1.50 | 2.10 | 13.0 |
| | | | | | | | ● | ○ | ○ | 1.50 | 2.10 | 12.0 |

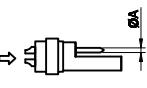
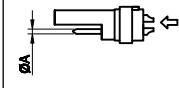
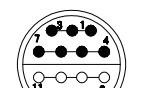
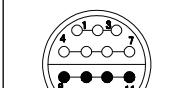
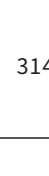
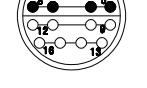
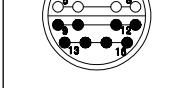
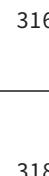
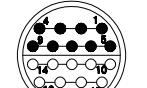
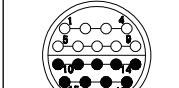
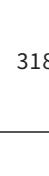
- First choice alternative
- Special order alternative

Insulator Configuration

| | solder male contact | solder female contact | Insulator | Contact No. | $\varnothing A(MM)$ | Contact type | | | Test voltage(contact -shell) k/v AC-rms | Test voltage(contact -contact) k/v AC-rms | Rated current /A |
|----|---------------------|-----------------------|-----------|-------------|---------------------|----------------|----------------------|-------------------|---|---|------------------|
| | | | | | | Solder contact | PCB straight contact | PCB elbow contact | | | |
| 3S | | | 307 | 3 4 | 1.3 0.9 | ● | ○ | ○ | 0.80 0.80 | 1.20 1.20 | 12.0 9.0 |
| | | | 308 | 8 | 0.9 | ● | ○ | ○ | 0.80 | 1.20 | 9.0 |
| | | | 310 | 10 | 0.9 | ● | ○ | ○ | 0.80 | 1.20 | 7.0 |
| | | | 302 | 2 | 2.0 | ● | ● | ○ | 3.0 | 4.20 | 23.0 |
| | | | 303 | 3 | 2.0 | ● | ○ | ○ | 1.50 | 2.10 | 20.0 |
| | | | 304 | 4 | 2.0 | ● | ○ | ○ | 1.50 | 2.10 | 18.0 |
| | | | 305 | 2 3 | 2.0 1.3 | ● | ○ | ○ | 1.50 1.50 | 1.50 1.50 | 18.0 14.0 |
| | | | 306 | 6 | 1.3 | ● | ○ | ○ | 2.10 | 3.0 | 14.0 |
| | | | 307 | 7 | 1.3 | ● | ○ | ○ | 1.0 | 1.50 | 12.0 |
| | | | 308 | 8 | 1.3 | ● | ○ | ○ | 1.0 | 1.50 | 10.0 |
| | | | 310 | 10 | 1.3 | ● | ○ | ○ | 1.0 | 1.50 | 9.0 |
| | | | 312 | 12 | 0.9 | ● | ○ | ○ | 1.50 | 2.10 | 8.0 |

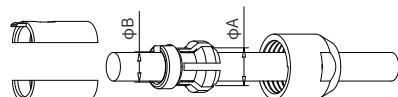
- First choice alternative
- Special order alternative

Insulator Configuration

| solder male contact | solder female contact | Insulator | Contact No. | $\varnothing A(MM)$ | Contact type | | | Test voltage(contact -shell)k/v AC-rms | Test voltage(contact -contact)k/v AC-rms | Rated current /A | |
|---|---|---|-------------|---------------------|----------------|----------------------|-------------------|--|--|------------------|-----|
| | | | | | Solder contact | PCB straight contact | PCB elbow contact | | | | |
|  |  |  | 313 | 13 | 0.9 | ● | ○ | ○ | 1.50 | 2.10 | 8.0 |
|  |  |  | 314 | 14 | 0.9 | ● | ○ | ○ | 1.50 | 2.10 | 7.0 |
|  |  |  | 316 | 16 | 0.9 | ● | ○ | ○ | 1.0 | 1.50 | 7.0 |
|  |  |  | 318 | 18 | 0.9 | ● | ○ | ○ | 1.0 | 1.50 | 6.0 |

- First choice alternative
- Special order alternative

RM-S series Cable collet



| Cable Clamp Set | Cable collet (mm) | | Cable dia Range | |
|-----------------|-------------------|----------|-----------------|------|
| code | ΦA | ΦB | Max | Min |
| 27 | 2.7 | - | 2.7 | >2.2 |
| 45 | 5.2 | 4.2 | 5.2 | >4.2 |
| 52 | 5.2 | - | 5.2 | >4.2 |



RM-P Series

Plastic Push Pull Self-locking Connector

- Secure Push-pull Self-locking system
- High density assembly to save space
- Alignment Key and Polarized Keying System to avoid cross-interface
- Colorful nut for choice, easy for identify
- Available solder, PCB and right angle PCB contact



RM-P Series

Plugs



PAG



PAG

Receptacles



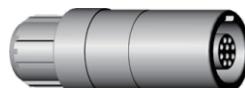
PKG



PLG



PKG

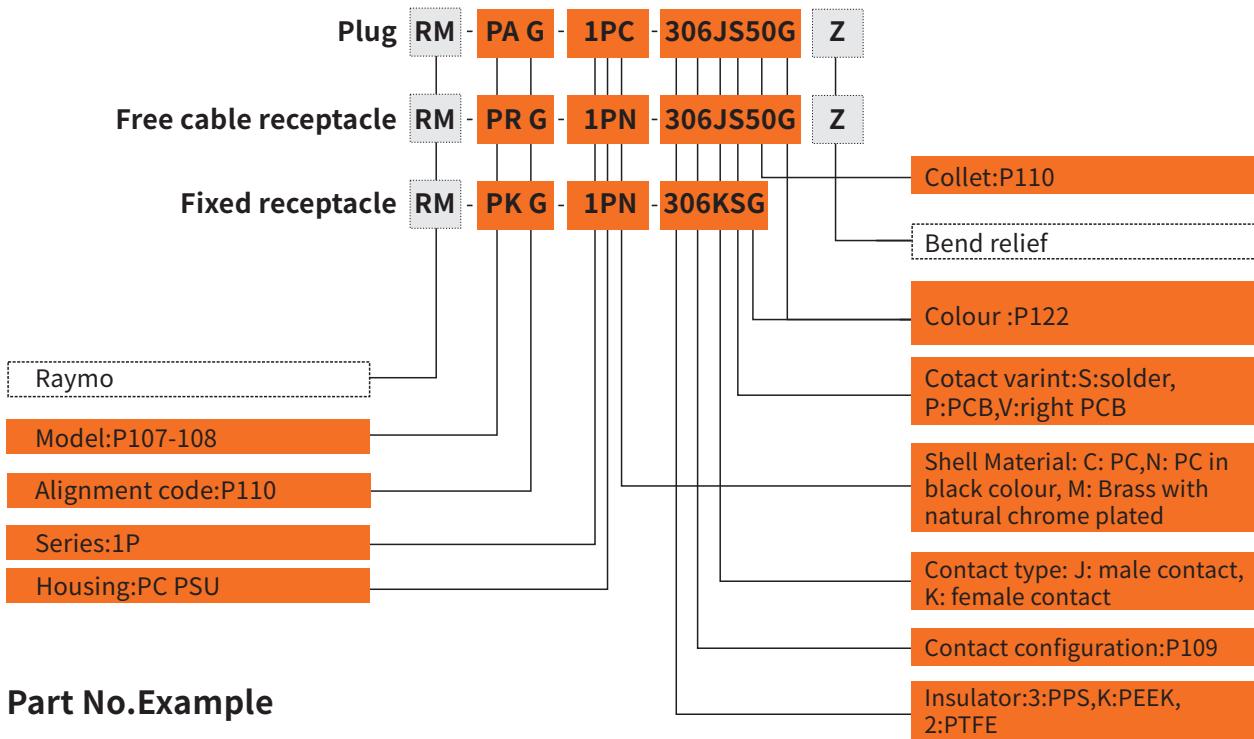


PRG



PRG

Part Numbering System



Part No.Example

Straight plug

RM-PAG-1PC-306JS52GZ straight plug with cable collet and alignment key(G=0 degree), multipole 6 male contacts in solder type, gray PCouter shell, PPS insulator, collet for 4.2-5.2mm diameter cable nut for fitting a bend relief, with a gray colour bend relief.

Free cable receptacle

RM-PRG-1PC-306KS52A free cable receptacle with cable collet, alignment key(G=0degree), multipole 6 female contacts in solder type, gray colour PC outer shell, PPS insulator, collet for cable 4.2-5.2mm and blue colour nut.

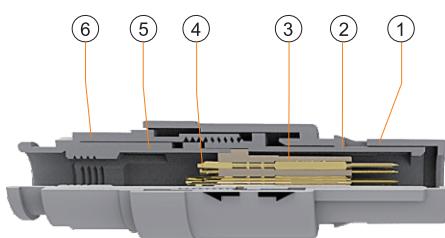
Fixed receptacle

RM-PKG-1PC-306KSG fixed receptacle with two nuts and alignment key(G=0 degree), multipole 6 female contacts in solder type, gray colour PCouter shell, PPS insulator,gray colour plastic front nut.

Part Section Showing Internal Components

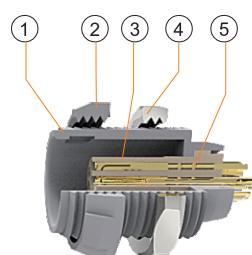
Cable Mount Plug

- ① Outer shell
- ② latch sleeve
- ③ Insulator
- ④ Male contact
- ⑤ Cable collet
- ⑥ Collet nut



Fixed Receptacle

- ① outer shell
- ② Front notched nut
- ③ Insulator
- ④ Hexagonal nut
- ⑤ Female contact



Technical Characteristics

Mechanical and Climatical

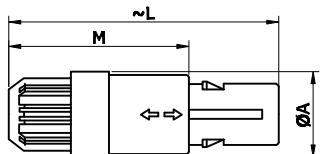
| Characteristics | Value | Standard |
|---------------------------|-------------------|----------------------|
| Endurance | >1000cycles | IEC60512-5test9a |
| Humidity | Up to 95% at 60°C | |
| Temperature range | -40°C,+150°C | |
| Resistance to vibration | 10-2000Hz,15g | IEC 60512-4 test 6d |
| Shock resistance | 100g,6ms | IEC 60512-4 test 6c |
| Salt spray corrosion test | >72hrs | IEC 60512-6 test 11f |
| Protection index (mated) | IP40 | IEC 60529 |
| Climatical category | 55/175/21 | IEC 60068-1 |

Electrical

| Characteristics | Value | Standard |
|----------------------|-----------|----------|
| Shielding efficiency | at 10 MHZ | >75 dB |
| | at 1 GHz | >40 dB |



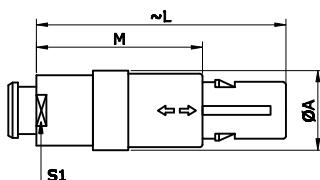
RM-PAG Cable Mount Straight plug



| Reference | | Dimensions(mm) | | |
|-----------|--------|----------------|------|----|
| Model | Series | A | L | M |
| RM-PAG | 1P | 14 | 46.5 | 32 |



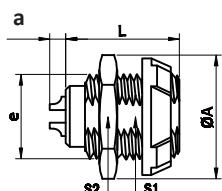
RM-PAG Cable Mount Straight plug , nut for fitting a bend relief



| Reference | | Dimensions(mm) | | | |
|-----------|--------|----------------|------|----|----|
| Model | Series | A | L | M | S1 |
| RM-PAG | 1P | 14 | 45.5 | 32 | 9 |



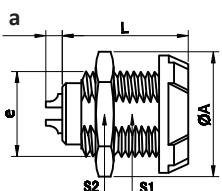
RM-PKG Fixed Receptacle with two nuts, back panel mounting



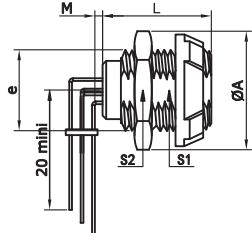
| Reference | | Dimensions(mm) | | | | | |
|-----------|--------|----------------|------|-----|---------|------|----|
| Model | Series | A | L | a | e | S1 | S2 |
| RM-PKG | 1P | 18.5 | 20.5 | 2.7 | M14*1.0 | 12.5 | 17 |



RM-PLG Fixed Receptacle, all-in-one type, key(G) or and nut fixing



| Reference | | Dimensions(mm) | | | | | |
|-----------|--------|----------------|------|-----|---------|------|----|
| Model | Series | A | L | a | e | S1 | S2 |
| RM-PLG | 1P | 18.5 | 20.5 | 2.7 | M14*1.0 | 12.5 | 17 |



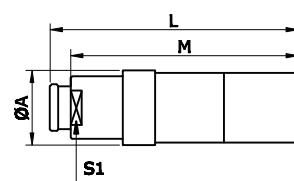
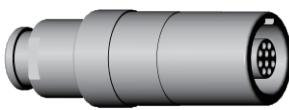
RM-PKG Fixed Receptacle with two nuts,back panel
mounting elbow 90° contact for printed circuit

| Reference | | Dimensions(mm) | | | | | |
|-----------|--------|----------------|------|-----|---------|------|------|
| Model | Series | A | L | a | e | S1 | S2 |
| RM-PKG | 1P | 19.5 | 20.5 | 2.0 | M14*1.0 | 12.5 | 17.0 |



RM-PRG Cable Mount Receptacle

| Reference | | Dimensions(mm) | |
|-----------|--------|----------------|----|
| Model | Series | A | L |
| RM-PRG | 1P | 14 | 40 |



RM-PRG Cable Mount Receptacle, nut for
fitting a bend relief

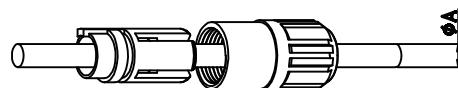
| Reference | | Dimensions(mm) | | | |
|-----------|--------|----------------|----|------|----|
| Model | Series | A | L | M | S1 |
| RM-PRG | 1P | 14 | 43 | 38.7 | 9 |

Technical Characteristics

| | | | | Insulator | Contact No. | $\varnothing A(MM)$ | Contact type | | | Test voltage(contact -shell) k/v AC-rms | Test voltage(contact -contact) k/v AC-rms | Rated current /A |
|----|-----|----|-----|-----------|-------------|---------------------|----------------|----------------------|-------------------|---|---|------------------|
| | | | | | | | Solder contact | PCB straight contact | PCB elbow contact | | | |
| 1P | 302 | 2 | 1.3 | ● | ● | ● | 1.20 | 1.30 | 10.0 | | | |
| | 303 | 3 | 1.3 | ● | ● | ● | 1.30 | 1.10 | 10.0 | | | |
| | 304 | 4 | 0.9 | ● | ● | ● | 1.05 | 0.80 | 7.0 | | | |
| | 305 | 5 | 0.9 | ● | ● | ● | 1.05 | 0.80 | 7.0 | | | |
| | 306 | 6 | 0.7 | ● | ● | ● | 1.05 | 0.85 | 6.0 | | | |
| | 307 | 7 | 0.7 | ● | ● | ● | 1.05 | 0.85 | 5.0 | | | |
| | 308 | 8 | 0.7 | ● | ● | ● | 1.05 | 0.60 | 5.0 | | | |
| | 309 | 9 | 0.5 | ● | ● | ● | 0.85 | 0.60 | 3.0 | | | |
| | 310 | 10 | 0.5 | ● | ● | ● | 0.85 | 0.45 | 3.0 | | | |
| | 312 | 12 | 0.5 | ● | ● | ● | 0.60 | 0.50 | 2.0 | | | |
| | 314 | 14 | 0.5 | ● | ● | ● | 0.60 | 0.50 | 2.0 | | | |

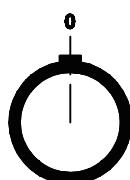
● First choice alternative
 ○ Special order alternative

RM-P series Cable collet



| $\Phi A(\text{mm})$ | Cable $\Phi(\text{mm})$ | |
|---------------------|-------------------------|-----|
| | Min | Max |
| 3.9 | 3.9 | 2.7 |
| 5.2 | 4.0 | 5.2 |
| 6.5 | 5.3 | 6.5 |

Alignment keys:



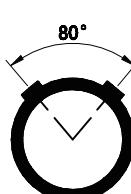
G=standard key



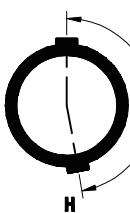
A=two keys with 40 degree



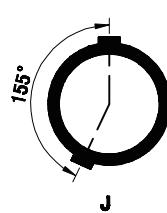
B=two keys with 60 degree



C=two keys with 80 degree



H=two keys with 170 degree



J=two keys with 155 degree



RM-H Series

Metal Miniature Push Pull Self-locking Connector

- Secure high performance push pull self-locking system
- High pin density and light weight construction
- Alignment key and polarized keying system to avoid cross-interface
- 360°EMC shielded
- Robust and shock resistant designs
- Available solder,PCB contact



RM-H Series

Plugs



HR10A



HR10A

Receptacles



HR10A



HR10A

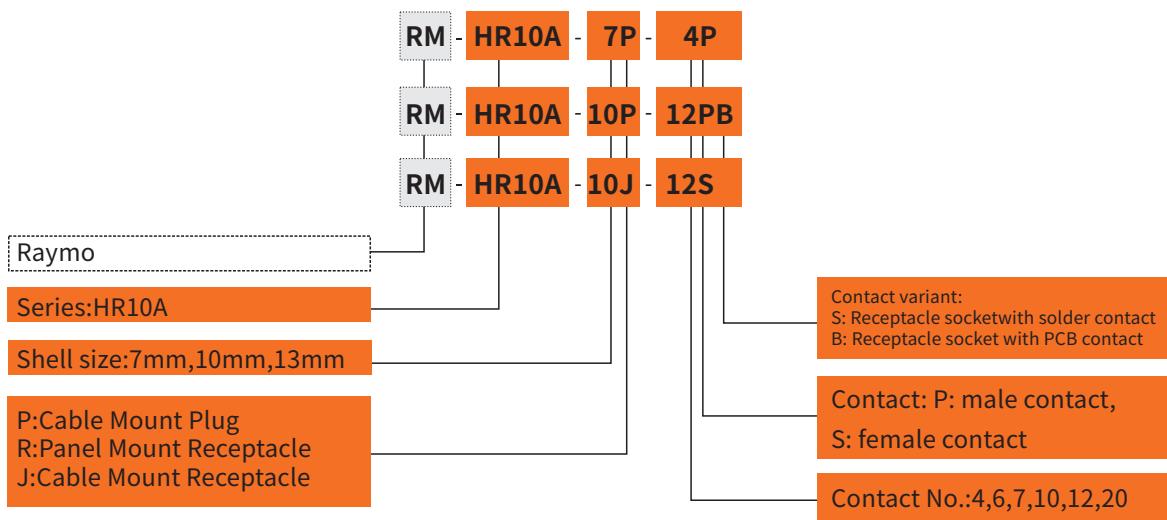


HR10A



HR10A

Part Numbering System



Part No.Example

Straight plug with cable collet

RM-HR10A-7P-6P Cable Mount plug , HR10A series, 7mm shell, multipole 6 contacts, male in solder type, brass-alloyed shell with nickel plated, PPS insulator, black colour bend relief for OD 4.2-5.0mm cable.

Fixed receptacle

RM-HR10A-10R-12PN Fixed receptacle, 10mm shell size, 12pin male contact in PCB type, outshell in inked-plated brass, PPS insulator.

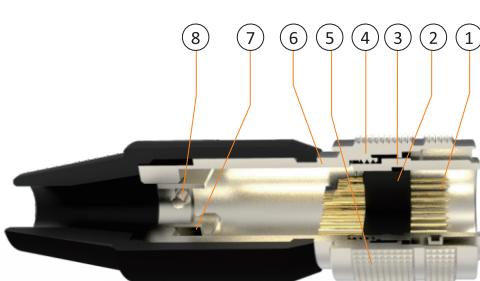
Free cable receptacle

RM-HR10A-10J-12S Free cable receptacle with cable collet, 10mm shell size, 12female contact outshell in nickel-plated brass, PPS insulator, with a blackcolour bend relief.

Part Section Showing Internal Components

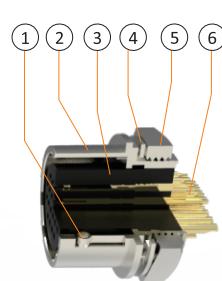
Straight Plug

- ① Male contact
- ② Insulator
- ③ Inner shell
- ④ Snap Spring
- ⑤ Outer shell
- ⑥ Ground crown
- ⑦ Screw
- ⑧ U collet nut



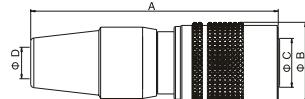
Fixed Receptacle

- ① Locking spring
- ② Outer shell
- ③ Insulator
- ④ Locking gasket
- ⑤ Hexagonal nut
- ⑥ Female contact





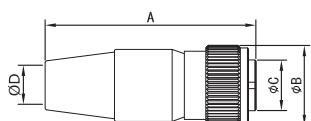
HR10A Cable mount plug



| Reference | | Dimensions(mm) | | | |
|-----------|------------|----------------|------|-----|---|
| Model | No.of pins | A | B | C | D |
| 7mm | 4,6 | 35 | 11.5 | 7.5 | 5 |
| 10mm | 10,12 | 43 | 14.7 | 9 | 7 |
| 13mm | 20 | 58.8 | 19 | 13 | 7 |



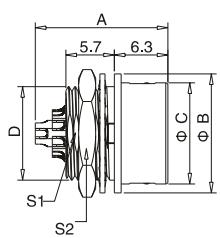
HR10A Cable mount plug



| Reference | | Dimensions(mm) | | | |
|-----------|------------|----------------|------|-----|---|
| Model | No.of pins | A | B | C | D |
| 10mm | 10,12 | 39.5 | 14.7 | 9.5 | 7 |



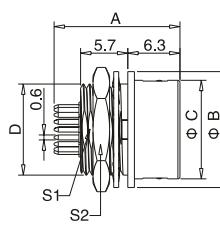
HR10A Panel mount receptacle



| Reference | | Dimensions(mm) | | | | |
|-----------|------------|----------------|----|------|----------|----|
| Model | No.of pins | A | B | C | D | E |
| 7mm | 4,6 | 14 | 11 | 8.85 | M11*0.75 | 10 |
| 10mm | 10,12 | 16 | 14 | 11.9 | M11*0.75 | 13 |
| 13mm | 20 | 19.2 | 18 | 15.4 | M8*0.5 | 17 |



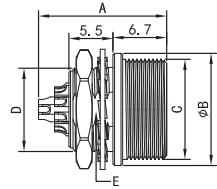
HR10A Panel mount receptacle, printed PCB contact



| Reference | | Dimensions(mm) | | | | |
|-----------|------------|----------------|----|------|----------|----|
| Model | No.of pins | A | B | C | D | E |
| 7mm | 4,6 | 15.6 | 11 | 8.85 | M8*0.5 | 10 |
| 10mm | 10,12 | 15.6 | 14 | 11.9 | M11*0.75 | 13 |
| 13mm | 20 | 17.8 | 18 | 15.4 | M14*0.5 | 17 |



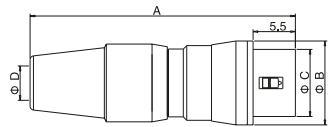
HR10A Panel mount receptacle



| Reference | | Dimensions(mm) | | | | |
|-----------|------------|----------------|----|----------|----------|-----|
| Model | No.of pins | A | B | C | D | E |
| 10mm | 10,12 | 16 | 14 | M11*0.75 | M11*0.75 | 9.6 |

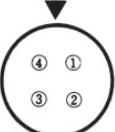
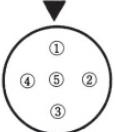
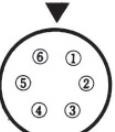


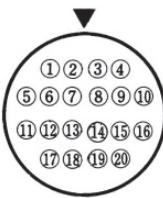
HR10 Cable mount receptacle



| Reference | | Dimensions(mm) | | | |
|-----------|------------|----------------|----|------|----|
| Model | No.of pins | A | B | C | D |
| 7mm | 4,6 | 35.3 | 11 | 8.85 | 10 |
| 10mm | 10,12 | 43 | 14 | 11.9 | 13 |

Insulator Configuration

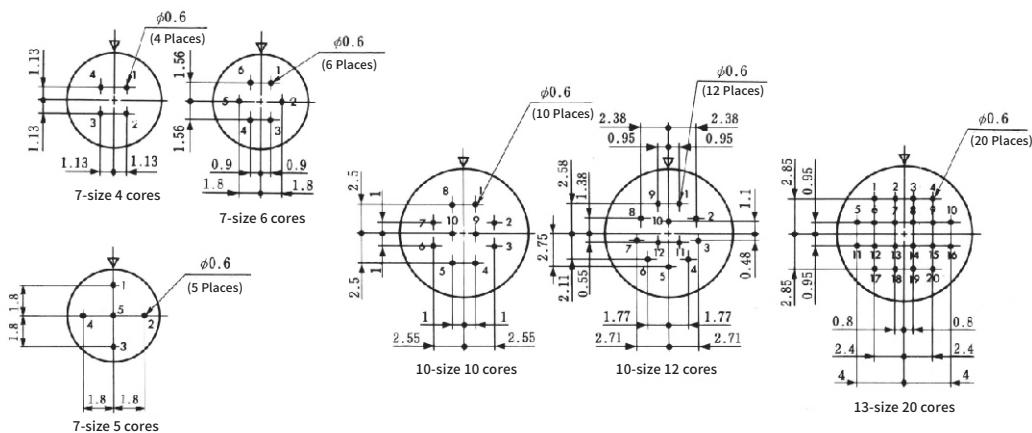
| shell size | 7 mm | | 10 mm |
|-----------------------|---|---|--|
| Contact No. view |  |  |  |
| Contact No. | 4 | 5 | 6 |
| Test Voltage | AC500V for a minute | AC300V for a minute | AC300V for a minute |
| Test Current | 2A | 2A | 2A |
| Insulation Resistance | MIN 1,000MΩ | MIN 1,000MΩ | MIN 1,000MΩ |
| Contact Resistance | MAX 10mΩ | MAX 10mΩ | MAX 10mΩ |
| Solder cup OD | Φ0.8 | Φ0.8 | Φ0.8 |

| shell size | 13 mm |
|-----------------------|--|
| Contact No. view |  |
| Contact No. | 20 |
| Test Voltage | AC300V for a minute |
| Test Current | 2A |
| Insulation Resistance | MIN 1,000MΩ |
| Contact Resistance | MAX 10mΩ |
| Solder cup OD | Φ0.8 |

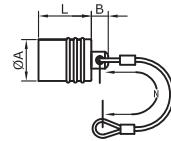
Note:

- 1: Above view is from socket front view.
- 2: Voltae is test voltage.
- 3: Insulator resistance is tested based on DC100V.
- 4: Contact resistance is tested based on DC100V.

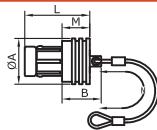
Receptacle PCB type pinout



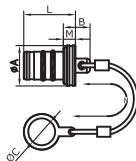




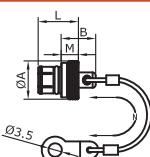
| Reference | | Dimensions(mm) | | | |
|-------------------|--------|----------------|---|------|-----|
| Model | Series | A | B | L | N |
| TFG.0F01C.GSW-65 | 0F | 9.8 | 4 | 12.5 | 65 |
| TFG.1F01C.GSW-85 | 1F | 12.0 | 4 | 15.5 | 85 |
| TFG.AF01C.GSW-85 | AF | 12.5 | 4 | 14 | 85 |
| TFG.AF01C.GSW-120 | 2F | 15.6 | 4 | 15 | 120 |



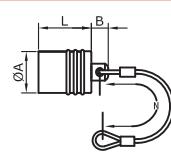
| Reference | | Dimensions(mm) | | | | |
|-------------------|--------|----------------|------|------|-----|----|
| Model | Series | A | B | L | M | N |
| ZFG.0F03C.GSW-60 | 0F | 11 | 9.9 | 12.8 | 3 | 60 |
| ZFG.1F03C.GSW-85 | 1F | 14 | 12 | 19.9 | 6.4 | 85 |
| ZFG.AF03C.GSW-100 | AF | 14.6 | 11.7 | 18.4 | 8.5 | 85 |
| ZFG.2F03C.GSW-150 | 2F | 16 | 11 | 19.2 | 7 | 85 |



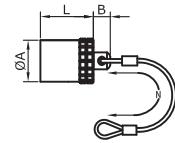
| Reference | | Dimensions(mm) | | | | | |
|-----------------------|--------|----------------|-----|------|------|-----|-----|
| Model | Series | A | B | C | L | M | N |
| ZFG.0F01C.GSW.005-60 | 0F | 11.5 | 6.5 | 9.1 | 12.8 | 3 | 60 |
| ZFG.1F01C.GSW.009-85 | 1F | 14 | 8.5 | 14.1 | 10.5 | 4.5 | 85 |
| ZFG.AF01C.GSW.009-85 | AF | 14 | 5.8 | 14.1 | 13.7 | 2.3 | 85 |
| ZFG.2F01C.GSW.014-120 | 2F | 16 | 8.9 | 16.1 | 17.0 | 4.9 | 120 |



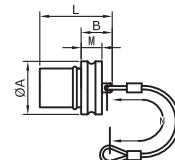
| Reference | | Dimensions(mm) | | | | |
|-----------------------|--------|----------------|------|------|-----|-----|
| Model | Series | A | B | L | M | N |
| ZFG.0B01C.GSW.007-85 | 0S-0B | 10.0 | 9.0 | 10.5 | 4.5 | 85 |
| ZFG.1B01C.GSW.007-85 | 1S-1B | 14.0 | 9.5 | 12.5 | 5.0 | 85 |
| ZFG.2B01C.GSW.007-85 | 2S-2B | 18.0 | 12.0 | 14.0 | 6.0 | 85 |
| ZFG.3B01C.GSW.007-120 | 3S-3B | 22.0 | 14.0 | 18.0 | 8.0 | 120 |



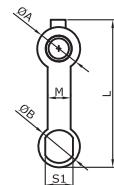
| Reference | | Dimensions(mm) | | | |
|------------------|--------|----------------|-----|------|----|
| Model | Series | A | B | L | N |
| TFG.0B01C.GSW-60 | 0B | 10.6 | 4 | 10 | 60 |
| TFG.1B01C.GSW-85 | 1B | 12.0 | 4.5 | 12.2 | 85 |
| TFG.2B01C.GSW-85 | 2B | 15.0 | 5 | 13.8 | 85 |
| TFG.2B01C.GSW-95 | 3B | 18.5 | 5 | 18.5 | 95 |



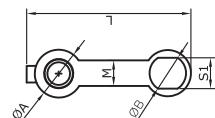
| Reference | | Dimensions(mm) | | | |
|-------------------|--------|----------------|---|------|-----|
| Model | Series | A | B | L | N |
| TFG.0K01C.GSW-85 | 0K | 14.0 | 6 | 12.5 | 85 |
| TFG.1K01C.GSW-85 | 1K | 16 | 5 | 15.5 | 85 |
| TFG.2K01C.GSW-85 | 2K | 19.5 | 5 | 17.5 | 85 |
| TFG.3K01C.GSW-120 | 3K | 23.0 | 6 | 22.0 | 120 |



| Reference | | Dimensions(mm) | | | | |
|------------------|--------|----------------|-----|---|----|----|
| Model | Series | A | B | M | L | N |
| ZFG.0K01C.GSW-85 | 0K | 15 | 7 | 4 | 15 | 85 |
| ZFG.1K01C.GSW-85 | 1K | 17 | 5.8 | 6 | 20 | 85 |
| ZFG.2K01C.GSW-85 | 2K | 20.5 | 5.8 | 8 | 24 | 85 |



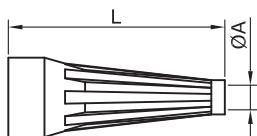
| Reference | | Dimensions(mm) | | | | |
|-----------|--------|----------------|------|----|-----|------|
| Model | Series | A | B | L | M | S1 |
| ZFG.0F04 | 0F | 11.9 | 11.8 | 40 | 6.3 | 8.0 |
| ZFG.1F04 | 1F | 14.1 | 14.0 | 60 | 7.2 | 12.5 |
| ZFG.AF04 | AF | 14.1 | 14.0 | 60 | 7.2 | 12 |
| ZFG.2F04 | 2F | 16.1 | 16.0 | 60 | 8.0 | 14.5 |



| Reference | | Dimensions(mm) | | | | |
|-----------|--------|----------------|------|----|-----|------|
| Model | Series | A | B | L | M | S1 |
| ZFG.0B04 | 0B | 11.9 | 9.0 | 40 | 6.3 | 8.0 |
| ZFG.1B04 | 1B | 14.1 | 12.0 | 60 | 7.2 | 10.5 |
| ZFG.2B04 | 2B | 16.1 | 15.0 | 60 | 7.2 | 13.5 |

Main characteristics

Material: TPU (Thermoplastic Polyurethane)
Temperature range in dry atmosphere: -60°C+200°C



| Shell Size | CableΦ | | Dimensions (mm) | | Part Number |
|------------|--------|------|-----------------|----|------------------|
| | min | max | A | L | |
| 00 | 2.8 | 3.1 | 2.8 | 22 | RM-GMA-0B-028-DN |
| OB | 3.0 | 3.4 | 2.5 | 24 | RM-GMA-0B-025-DN |
| OS | 2.5 | 3.0 | 3.0 | 24 | RM-GMA-0B-030-DN |
| OK | 3.0 | 3.5 | 3.5 | 24 | RM-GMA-0B-035-DN |
| OF | 3.5 | 4.0 | 4.0 | 24 | RM-GMA-0B-040-DN |
| | 4.0 | 4.5 | 4.5 | 24 | RM-GMA-0B-045-DN |
| | 4.5 | 5.5 | 5.5 | 27 | RM-GMA-0B-055-DN |
| 1B | 4.0 | 4.4 | 4.0 | 30 | RM-GMA-1B-040-DN |
| 1S | 4.5 | 4.9 | 4.5 | 30 | RM-GMA-1B-045-DN |
| 1K | 5.4 | 6.0 | 5.4 | 30 | RM-GMA-1B-054-DN |
| 1F | 6.5 | 7.0 | 6.5 | 30 | RM-GMA-1B-065-DN |
| 2B | 5.0 | 5.5 | 5.0 | 36 | RM-GMA-2B-050-DN |
| 2K | 6.0 | 6.5 | 6.0 | 36 | RM-GMA-2B-060-DN |
| | 7.0 | 7.7 | 7.0 | 36 | RM-GMA-2B-070-DN |
| | 7.8 | 8.8 | 7.8 | 36 | RM-GMA-2B-080-DN |
| | 9.0 | 9.9 | 9.0 | 36 | RM-GMA-2B-090-DN |
| 3S | 4.5 | 5.2 | 4.5 | 42 | RM-GMA-3B-050-DN |
| 3B | 6.0 | 6.9 | 6.0 | 42 | RM-GMA-3B-060-DN |
| 3K | 7.0 | 7.9 | 7.0 | 42 | RM-GMA-3B-070-DN |
| | 8.0 | 8.9 | 8.0 | 42 | RM-GMA-3B-080-DN |
| | 9.0 | 10.0 | 9.0 | 42 | RM-GMA-3B-090-DN |
| 1P | 2.7 | 3.9 | 3.9 | 30 | RM-GMA-1P-039-DG |
| | 4.0 | 5.2 | 5.2 | 30 | RM-GMA-1P-052-DG |
| | 5.2 | 6.5 | 6.5 | 30 | RM-GMA-1P-065-DG |

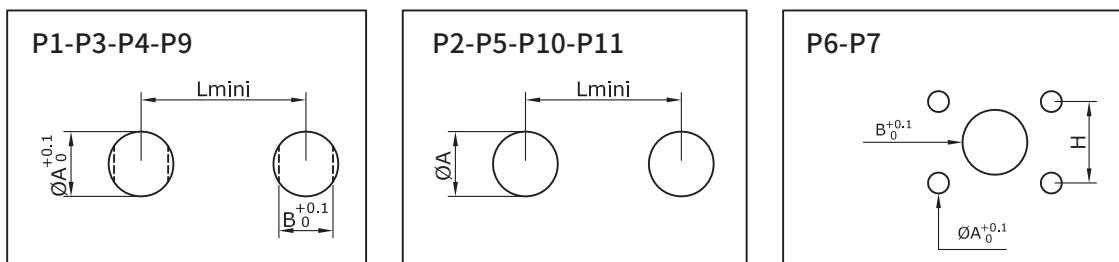
Note:

The last letter «G» of the part number indicates the gray colour of the bend relief. For ordering a bend relief with another colour, and replace the letter «G» by the letter of the required colour.

A bend relief made from thermoplastic polyurethane elastomer can be fitted overRAYMO plugs and receptacles that are supplied with nut for fitting such bend relief. They are available in nine different colours match with the GRA insulating washers. Each color has the code listed below.

| Code | Colour |
|------|--------|
| A | Blue |
| B | White |
| G | Gray |
| J | Yellow |
| M | Brown |
| N | Black |
| R | Red |
| S | Orange |
| V | Green |

Panel cut-outs



RM-B series

| Series | P1 | | | P2 | | | P3 | | | P4 | | | P5 | | | P9 | | | P10 | |
|--------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|---|
| | ØA | B | L | ØA | L | ØA | B | L | ØA | B | L | ØA | L | ØA | B | L | ØA | B | ØA | L |
| 00 | 7.1 | 6.4 | 12.5 | 7.1 | 11.5 | - | - | - | - | - | - | - | - | - | - | 7.1 | 6.4 | 12.0 | - | - |
| 0B | 9.1 | 8.3 | 14.5 | 9.1 | 13.5 | 14.1 | 12.6 | 20.1 | 10.1 | 9.1 | 15.0 | 8.3 | 10.5 | 9.1 | 8.3 | 15.0 | - | - | - | - |
| 1B | 12.1 | 10.6 | 18.5 | - | - | 16.1 | 14.6 | 22.0 | 14.1 | 12.6 | 21.0 | 11.2 | 14.0 | 12.1 | 10.6 | 19.0 | 11.1 | 17.0 | - | - |
| 2B | 15.1 | 13.6 | 22.5 | - | - | 19.2 | 17.1 | 28.0 | 16.1 | 15.1 | 23.0 | 13.9 | 18.0 | 15.1 | 13.6 | 23.0 | - | - | - | - |
| 3B | 18.2 | 16.6 | 27.0 | - | - | - | - | - | 20.2 | 18.6 | 29.5 | - | - | 18.2 | 16.6 | 27.0 | - | - | - | - |

Cut-out types

| Model | Type | Model | Type |
|-------|--------|-------|------|
| ECG | P1 | HCG | P3 |
| EEG | P1 | HEG | P9 |
| EHG | P1 | HGG | P9 |
| EXG | P2/P10 | HHG | P9 |
| FAG | P1 | PFG | P1 |

Mounting nut torque

| Series | Torque(Nm) | |
|--------|-------------|---------------|
| | Metal shell | Plastic shell |
| 00 | 1.0 | 0.4 |
| 0B | 2.5 | 0.4 |
| 1B | 4.5 | 0.7 |
| 2B | 6.0 | 0.8 |
| 3B | 9.0 | 1.0 |

RM-K series

| Series | P1 | | | P6 | | | P7 | | |
|--------|------|------|------|-----|------|------|-----|------|------|
| | ØA | B | L | ØA | B | L | ØA | B | L |
| 0K | 14.1 | 12.6 | 20.5 | - | - | - | - | - | - |
| 1K | 16.1 | 14.6 | 22.5 | - | - | - | - | - | - |
| 2K | 20.2 | 18.6 | 29.0 | - | - | - | - | - | - |
| 3K | 24.2 | 22.6 | 35.5 | 3.5 | 22.6 | 20.6 | 3.5 | 23.1 | 23.0 |

Cut-out types

| Model | Type |
|-------|------|
| ECG | P1 |
| ECG | P1 |

Mounting nut torque

| Series | Torque (Nm) |
|--------|-------------|
| 0K | 5 |
| 1K | 7 |
| 2K | 9 |
| 3K | 12 |

RM-S series

| Series | P1 | | | P2 | | | P3 | | | P4 | | | P6 | | | P7 | | | P10 | |
|--------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|-----|------|------|------|------|--|
| | ØA | B | L | ØA | L | ØA | B | L | ØA | B | L | ØA | B | H | ØA | B | H | ØA | L | |
| 00 | 7.1 | 6.4 | 12.5 | 7.1 | 11.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 0S | 9.1 | 8.3 | 14.5 | 9.1 | 13.5 | 12.1 | 10.6 | 20.0 | 10.1 | 9.1 | 15.0 | - | - | - | - | - | - | - | - | |
| 1S | 12.1 | 10.6 | 18.5 | 12.1 | 19.0 | 14.1 | 12.6 | 21.0 | 12.1 | 10.6 | 18.0 | 3.3 | 12.1 | 12.7 | 2.7 | 11.1 | 12.4 | 11.1 | 17.0 | |
| 2S | 15.1 | 13.6 | 22.5 | 15.1 | 21.5 | 16.1 | 14.6 | 22.0 | 16.1 | 15.1 | 23.1 | 3.3 | 15.1 | 15.5 | - | - | - | - | - | |
| 3S | 18.2 | 16.6 | 27.0 | 18.2 | 27.0 | 20.2 | 18.6 | 30.0 | 20.2 | 18.6 | 29.0 | 3.3 | 18.2 | 18.0 | - | - | - | - | - | |

Cut-out types

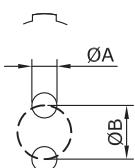
| Model | Type |
|-------|------|
| ERG | P1 |
| ERD | P1 |

Mounting nut torque

| Series | Torque(Nm) | |
|--------|-------------|---------------|
| | Metal shell | Plastic shell |
| 0S | 2.5 | 0.4 |
| 1S | 4.5 | 0.7 |
| 2S | 6.0 | 0.8 |
| 3S | 9.0 | 1.0 |

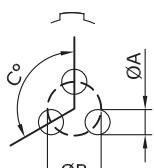
PCB drilling pattern
Fixed receptacle with straight print contact (RM-B-K series)

302



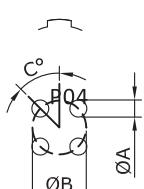
| Series | Dimensions(mm) | |
|--------|----------------|-----|
| | A | B |
| 00 | 0.6 | 1.2 |
| 0B-0K | 0.8 | 2.2 |
| 1B-1K | 0.8 | 2.8 |
| 2B-2K | 0.8 | 4.4 |

303



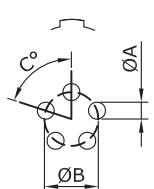
| Series | Dimensions(mm) | | |
|--------|----------------|------|------|
| | A | B | C |
| 00 | 0.6 | 1.35 | 120° |
| 0B-0K | 0.8 | 2.30 | 120° |
| 1B-1K | 0.8 | 3.00 | 120° |
| 2B-2K | 0.8 | 4.60 | 120° |
| 3B-3K | 0.8 | 5.60 | 120° |

304



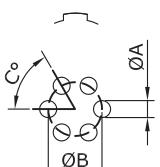
| Series | Dimensions(mm) | | |
|--------|----------------|-----|-----|
| | A | B | C |
| 00 | 0.6 | 1.6 | 45° |
| 0B-0K | 0.8 | 2.5 | 45° |
| 1B-1K | 0.8 | 3.1 | 45° |
| 2B-2K | 0.8 | 5.0 | 45° |
| 3B-3K | 0.8 | 6.2 | 45° |

305



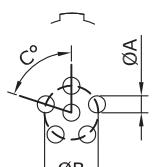
| Series | Dimensions(mm) | | |
|--------|----------------|-----|-----|
| | A | B | C |
| 0B-0K | 0.6 | 2.8 | 72° |
| 1B-1K | 0.8 | 3.4 | 72° |
| 2B-2K | 0.8 | 5.2 | 72° |
| 3B-3K | 0.8 | 6.7 | 72° |

306



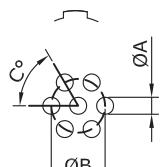
| Series | Dimensions(mm) | | |
|--------|----------------|-----|-----|
| | A | B | C |
| 0B-0K | 0.6 | 3.0 | 60° |
| 1B-1K | 0.8 | 3.7 | 60° |

306



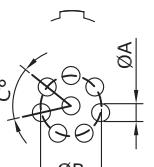
| Series | Dimensions(mm) | | |
|--------|----------------|-----|-----|
| | A | B | C |
| 2B-2K | 0.8 | 5.6 | 72° |
| 3B-3K | 0.8 | 7.1 | 72° |

307



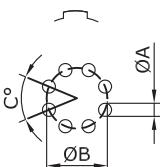
| Series | Dimensions(mm) | | |
|--------|----------------|------|-----|
| | A | B | C |
| 0B-0K | 0.6 | 3.0 | 60° |
| 1B-1K | 0.8 | 3.7 | 60° |
| 2B-2K | 0.8 | 5.8 | 60° |
| 3B-3K | 0.8 | 7.08 | 60° |

308



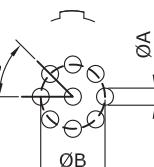
| Series | Dimensions(mm) | | |
|--------|----------------|-----|-----|
| | A | B | C |
| 2B-2K | 0.8 | 6.4 | 45° |
| 3B-3K | 0.8 | 7.5 | 45° |

308



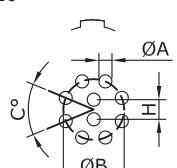
| Series | Dimensions(mm) | | |
|--------|----------------|------|-----|
| | A | B | C |
| 1B-1K | 0.6 | 3.95 | 45° |
| 2B-2K | 0.8 | 6.2 | 45° |
| 3B-3K | 0.8 | 7.9 | 45° |

309



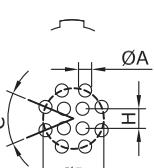
| Series | Dimensions(mm) | | |
|--------|----------------|-----|-----|
| | A | B | C |
| 0B-0K | 0.6 | 3.2 | 45° |
| 3B-3K | 0.8 | 7.5 | 45° |

310



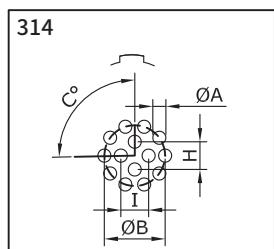
| Series | Dimensions(mm) | | | |
|--------|----------------|------|-----|------|
| | A | B | C | H |
| 1B-1K | 0.6 | 3.95 | 45° | 1.40 |
| 2B-2K | 0.8 | 6.2 | 45° | 2.15 |
| 3B-3K | 0.8 | 7.9 | 45° | 2.80 |

312

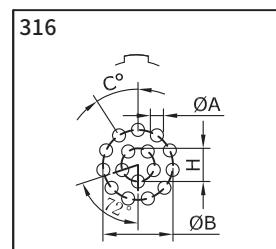


| Series | Dimensions(mm) | | | |
|--------|----------------|-----|-----|------|
| | A | B | C | H |
| 2B-2K | 0.8 | 6.5 | 45° | 2.80 |
| 3B-3K | 0.8 | 8.2 | 45° | 3.40 |

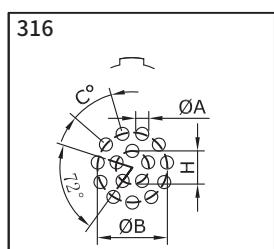
PCB drilling pattern
Fixed receptacle with straight print contact (B-K series)



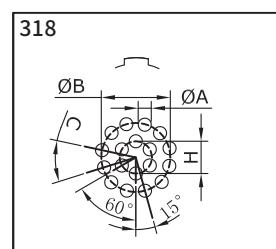
| Series | Dimensions(mm) | | | | |
|--------|----------------|-----|-----|------|------|
| | A | B | C | H | I |
| 1B-1K | 0.6 | 4.4 | 90° | 1.90 | 1.80 |
| 2B-2K | 0.8 | 6.5 | 90° | 2.65 | 2.65 |
| 3B-3K | 0.8 | 8.2 | 90° | 3.40 | 3.40 |



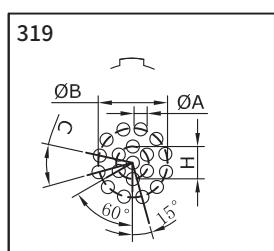
| Series | Dimensions(mm) | | | |
|--------|----------------|-----|--------|-----|
| | A | B | C | H |
| 1B-1K | 0.6 | 4.4 | 32°44' | 2.0 |



| Series | Dimensions(mm) | | | |
|--------|----------------|-----|--------|------|
| | A | B | C | H |
| 2B-2K | 0.8 | 6.6 | 32°44' | 3.10 |
| 3B-3K | 0.8 | 8.4 | 32°44' | 3.86 |



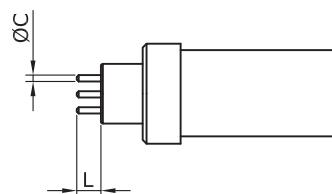
| Series | Dimensions(mm) | | | |
|--------|----------------|-----|-----|------|
| | A | B | C | H |
| 2B-2K | 0.8 | 6.7 | 30° | 3.5 |
| 3B-3K | 0.8 | 8.4 | 30° | 4.34 |



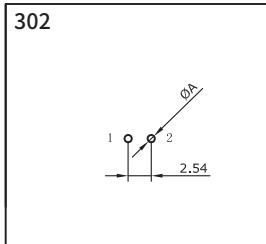
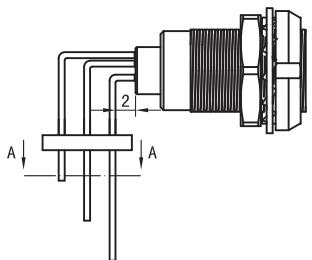
| Series | Dimensions(mm) | | | |
|--------|----------------|-----|-----|------|
| | A | B | C | H |
| 2B-2K | 0.8 | 6.7 | 30° | 3.50 |

**Length of straight print contacts
(for receptacle)**

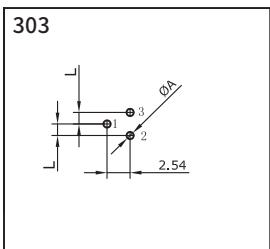
| Series | Contact No. | Dimensions(mm) | |
|----------|-----------------------------|----------------|-----|
| | | $\emptyset C$ | L |
| 00 | 302 | 0.5 | 3.0 |
| | 302 | 0.5 | 3.0 |
| | 302 | 0.5 | 3.0 |
| 0B 0K | 302/303 | 0.7 | 3.2 |
| | 304/305 | 0.5 | 3.2 |
| | 306/307/309 | 0.5 | 3.2 |
| 1B 1K | 302/303/303/304/305 | 0.7 | 3.0 |
| | 306/307/308 | 0.7 | 3.0 |
| | 310/314/316 | 0.5 | 4.0 |
| 2B 2K | 302/303/304/305/306/307 | 0.7 | 3.0 |
| | 308/310/314/316/318/319 | 0.7 | 3.0 |
| | 326/332 | 0.5 | 3.0 |
| 3B 3K | 303/304/305/306/307 | 0.7 | 3.0 |
| | 308/309/310/312/314/316/318 | 0.7 | 3.0 |
| | 320/322/324/326/330 | 0.5 | 5.0 |



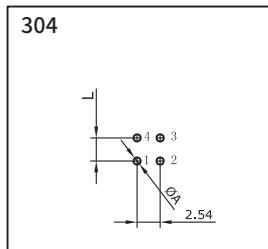
PCB drilling pattern
Fixed receptacle with straight print contact (B-K series)



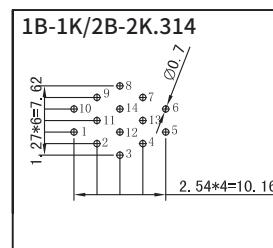
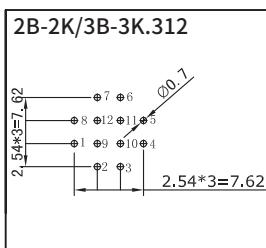
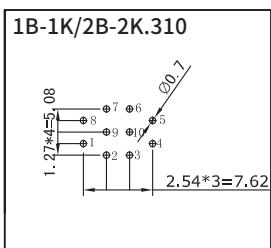
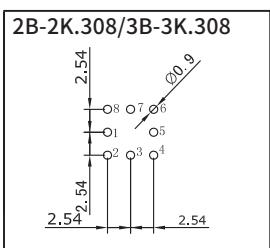
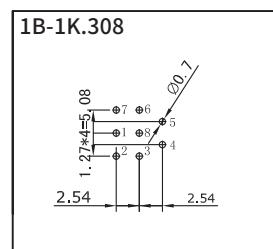
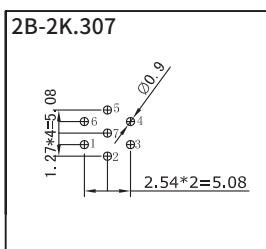
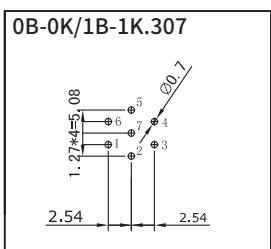
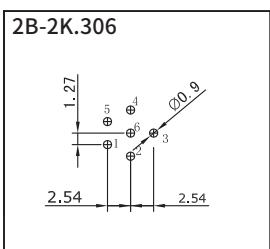
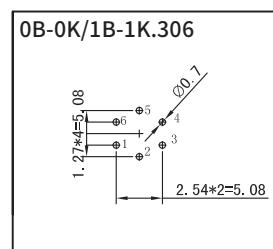
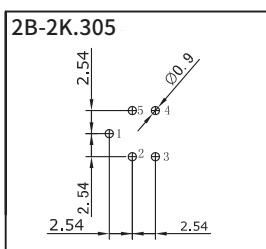
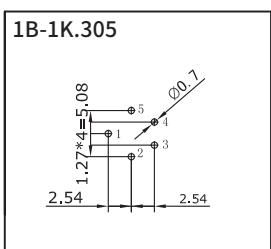
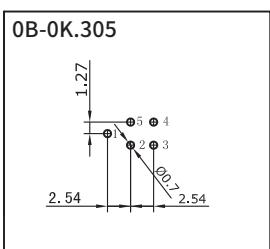
| Series | Dimensions (mm) | |
|--------|-----------------|---|
| | A | L |
| 00 | 0.6 | |
| 0B-0K | 0.7 | |
| 1B-1K | 0.9 | |
| 2B-2K | 0.9 | |



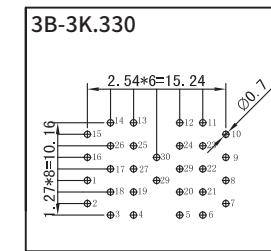
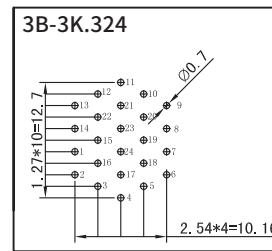
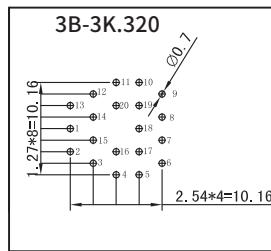
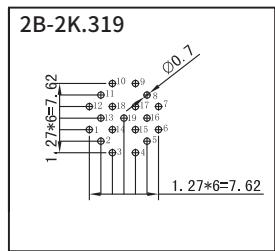
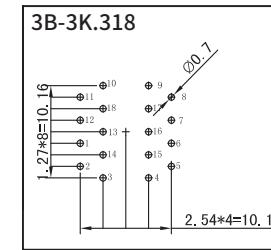
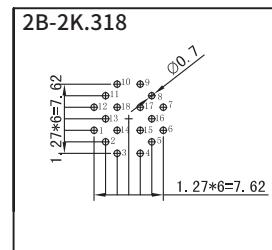
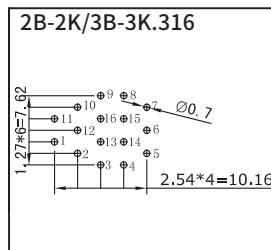
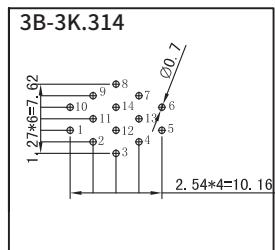
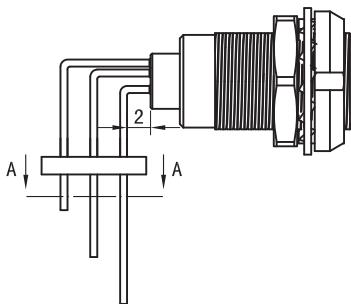
| Series | Dimensions(mm) | |
|--------|----------------|------|
| | A | L |
| 00 | 0.6 | 1.27 |
| 0B-0K | 0.7 | 1.27 |
| 1B-1K | 0.9 | 1.27 |
| 2B-2K | 0.9 | 2.54 |



| Series | Dimensions(mm) | |
|--------|----------------|------|
| | A | L |
| 00 | 0.6 | 2.54 |
| 0B-0K | 0.7 | 2.54 |
| 2B-2K | 0.7 | 2.54 |
| 3B-3K | 0.9 | 3.50 |



PCB drilling pattern
Fixed receptacle with elbow (90°) print contact (RM-B-K series)

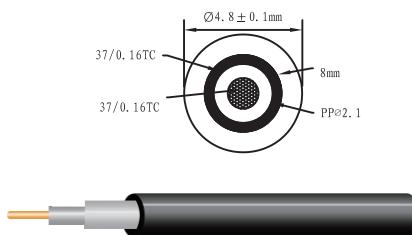




Cable

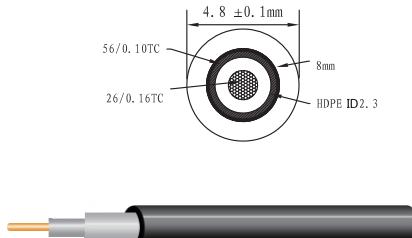


FC.PUR.N01.1802



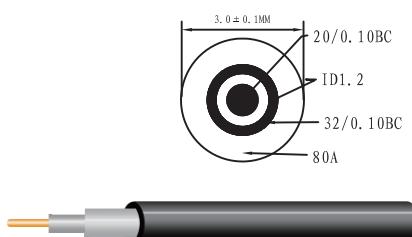
| | |
|---------------|--|
| SPECIFICATION | Φ4.8(37/0.16TC+SP37/0.16TC) cold-proof-40°C pu cable |
| CONDUCTOR | SIZE SPECIFICATION MATERIAL CONSTRUCTION COLOR |
| | 0.75 mm ² +0.75 mm ² Tin-Coated Copper & 37/0.16TC tin colour |
| | Avg. Thick Min. Thick Diameter Material |
| | 0.4845mm 0.4246mm Φ2.1±0.05mm PP |
| INSULATION | Color Shielded Material Construction |
| | white Tin-Coated Copper 37/0.16TC±1+PT |
| | Avg. Thick Min. Thick Diameter Material |
| | 1.2101 1.1876 4.8±0.1mm cold-proof-40°C pu cable |
| JACKET | Color Material Construction |
| | matt black colour cold-proof-40°C pu cable 37/0.16TC±1+PT |
| MARKING | no letter printed on the cable surface |

FC.PUR.N01.2001



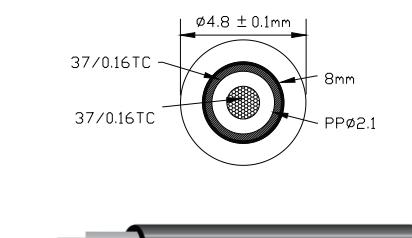
| | |
|---------------|---|
| SPECIFICATION | Φ4.8(26/0.16TC ID2.3+SP56/0.10TC) cold-proof-40°C pu cable |
| CONDUCTOR | SIZE SPECIFICATION MATERIAL CONSTRUCTION COLOR |
| | 20AWG Tin-Coated Copper & 26/0.16TC tin colour |
| | Avg. Thick Min. Thick Diameter Material |
| | 0.4845mm 0.4246mm Φ2.3±0.05mm HDPE |
| INSULATION | Color Shielded Material Construction |
| | white Tin-Coated Copper 56/0.10TC±2+PT |
| | Avg. Thick Min. Thick Diameter Material |
| | 1.2101 1.1876 4.8±0.1mm cold-proof-40°C pu cable |
| JACKET | Color Material Construction |
| | matt black colour cold-proof-40°C pu cable 56/0.10TC±2+PT |
| MARKING | no letter printed on the cable surface |

FC.PUR.N01.2601



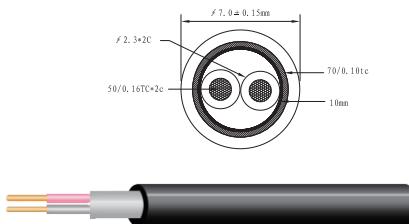
| | |
|---------------|--|
| SPECIFICATION | Φ3.0(20/0.10BC++32/0.10Winding shield) cold-proof-40°C pu cable for RCA connector |
| CONDUCTOR | SIZE SPECIFICATION MATERIAL CONSTRUCTION COLOR |
| | 826AWG Bare copper &20/0.10BC Bare copper |
| | Avg. Thick Min. Thick Diameter Material |
| | 0.4845mm 0.4246mm 1.2±0.05mm PP |
| INSULATION | Color Shielded Material Construction |
| | transparent Bare copper 32/0.10BC |
| | Avg. Thick Min. Thick Diameter Material |
| | 0.8001 0.7845 3.0±0.1mm cold-proof-40°C pu cable |
| JACKET | Color Material Construction |
| | matt black colour cold-proof-40°C pu cable 32/0.10BC |
| MARKING | no letter printed on the cable surface |

FC.PUR.N01.0301



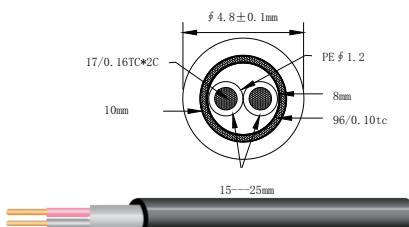
| | |
|---------------|---|
| SPECIFICATION | Φ13.0 1C*25mm ² +B(braided)+P(cotton paper) |
| CONDUCTOR | SIZE SPECIFICATION MATERIAL CONSTRUCTION COLOR |
| | 03AWG Bare copper 196/0.404MM Bare copper |
| | Avg. Thick Min. Thick Diameter Material |
| | 5.10INCH 0.4246mm 10.0±0.20MM PP |
| INSULATION | Color Shielded Material Construction |
| | transparent Tin-Coated Copper 24*10/0.12MM (10)(covering: 85%MIN) |
| | MATERIAL 1 cotton paper 0.04*40MM (covering:125%MIN) |
| | Diameter Material |
| JACKET | Φ13.0±0.30MM PU-813/85A(-40°C+80°C) (flame retardant rating: VW-1) |
| COLOR | matt black colour |
| MARKING | no letter printed on the cable surface |

FC.PUR.N02.1701



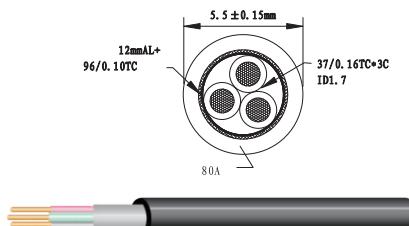
| | | |
|---------------|--|---------------------------|
| SPECIFICATION | Φ7.0(50/0.16TCID2.3*2c red black+AL+70/0.10TC Winding shield)80A cold-proof-40°CPU black | |
| CONDUCTOR | SIZE | 1.0 mm2 |
| | SPECIFICATION MATERIAL | Tin-Coated Copper |
| | CONSTRUCTION | &50/0.16TC±2 |
| | COLOR | tin colour |
| INSULATION | AVG . THICK | 0.4954mm |
| | MIN . THICK | 04722.mm |
| | DIAMETER | Φ2.3mm |
| | MATERIAL | PE+color concentrate |
| SHIELDED | COLOR | red black |
| | MATERIAL | Tin-Coated Copper |
| | CONSTRUCTION | SP70/0.10TC±4 |
| | AVG . THICK | 0.8001mm |
| JACKET | MIN . THICK | 0.7652mm |
| | DIAMETER | 7.0mm±0.15 |
| | MATERIAL | 80A PU cold-proof-40°C PU |
| | COLOR | matt black colour |
| MARKING | no letter printed on the cable surface | |

FC.PUR.N02.2201



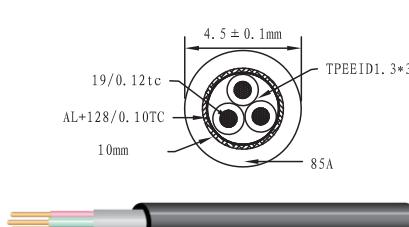
| | | |
|---------------|--|---------------------------|
| SPECIFICATION | Φ4.8(17/0.16TCID1.2*2c white green +AL+braided 96/0.10TC+PT)80A cold-proof-40°C PU black | |
| CONDUCTOR | SIZE | 22AWG |
| | SPECIFICATION MATERIAL | Tin-Coated Copper |
| | CONSTRUCTION | &17/0.16TC |
| | COLOR | tin colour |
| INSULATION | AVG . THICK | 0.2021mm |
| | MIN . THICK | 0.1985mm |
| | DIAMETER | 1.2mm±0.05 |
| | MATERIAL | PE |
| SHIELDED | COLOR | white green |
| | MATERIAL | Tin-Coated Copper |
| | CONSTRUCTION | AL+braided96/0.10TC±6 |
| | AVG . THICK | 1.855mm |
| JACKET | MIN . THICK | 1.542mm |
| | DIAMETER | 4.8mm±0.1 |
| | MATERIAL | 80A PU cold-proof-40°C PU |
| | COLOR | matt black colour |
| MARKING | no letter printed on the cable surface | |

FC.PUR.N03.1802



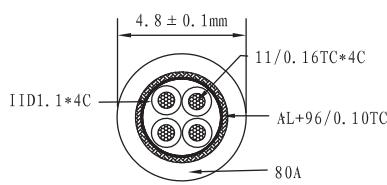
| | | |
|---------------|---|---------------------------|
| SPECIFICATION | Φ5.5(37/0.16CID1.7*3c red black yellow +AL+ 96/0.10braided)80A cold-proof-40°C PU black | |
| CONDUCTOR | SIZE | 0.75mm2*3c |
| | SPECIFICATION MATERIAL | Bare copper |
| | CONSTRUCTION | & 37/0.16TC±1 |
| | COLOR | tin colour |
| INSULATION | AVG . THICK | 0.3804mm |
| | MIN . THICK | 0.3254mm |
| | DIAMETER | Φ1.7±0.05 |
| | MATERIAL | PE+color concentrate |
| SHIELDED | COLOR | red black yellow |
| | MATERIAL | Tin-Coated Copper |
| | CONSTRUCTION | AL+96/0.10TC±6 |
| | AVG . THICK | 0.6800mm |
| JACKET | MIN . THICK | 0.6542mm |
| | DIAMETER | 5.5mm±0.1 |
| | MATERIAL | 80A PU cold-proof-40°C PU |
| | COLOR | matt black colour |
| MARKING | no letter printed on the cable surface | |

FC.HPU.N03.2401



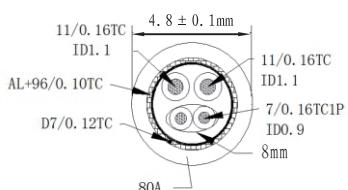
| | | |
|---------------|---|---|
| SPECIFICATION | Φ4.5(19/0.12TCID1.3*3c black brown blue +AL+ 128/0.10TC braided+PT)85A Flame-retardant High-temperature-resistance 120°C PU black | |
| CONDUCTOR | SIZE | 24AWG*3c |
| | SPECIFICATION MATERIAL | Tin-Coated Copper |
| | CONSTRUCTION | & 19/0.12TC |
| | COLOR | tin colour |
| INSULATION | AVG . THICK | 0.34mm |
| | MIN . THICK | 0.3mm |
| | DIAMETER | Φ1.3±0.05 |
| | MATERIAL | TPEE+color concentrate |
| SHIELDED | COLOR | black brown blue |
| | MATERIAL | Tin-Coated Copper |
| | CONSTRUCTION | 15MMAL+16/8/0.10TCbraided |
| | AVG . THICK | 0.65mm |
| JACKET | MIN . THICK | 0.6mm |
| | DIAMETER | 4.5mm±0.1 |
| | MATERIAL | 85A Flame-retardant High-temperature-resistance 120°CPU black |
| | COLOR | matt black colour |
| MARKING | no letter printed on the cable surface | |

FC.PUR.N04.2401



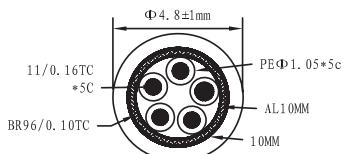
| | |
|---------------|---|
| SPECIFICATION | $\Phi 4.8(11/0.16\text{TC} * 4\text{C red yellow black green PE+AL+96/0.10\text{TC+PT})80\text{A cold-proof-40°C PU black}$ |
| CONDUCTOR | SIZE 24 AWG |
| | SPECIFICATION MATERIAL Tin-Coated Copper |
| | CONSTRUCTION $&11/0.16$ |
| | COLOR tin colour |
| INSULATION | AVG. THICK 0.242 mm |
| | MIN. THICK 0.217 mm |
| | DIAMETER $\Phi 1.1\text{mm}\pm 0.05$ |
| | MATERIAL PE |
| SHIELDED | COLOR red yellow black green |
| | MATERIAL Tin-Coated Copper |
| | CONSTRUCTION $8\text{mmAL+96/0.010\text{TC}\pm 5+10\text{mmPT}}$ |
| | |
| JACKET | AVG. THICK 0.80mm |
| | MIN. THICK 0.775mm |
| | DIAMETER $4.8\text{mm}\pm 0.1$ |
| | MATERIAL $80\text{A PU cold-proof-40°C}$ |
| MARKING | COLOR black colour |
| | no letter printed on the cable surface |

FC.PUR.N04.2426



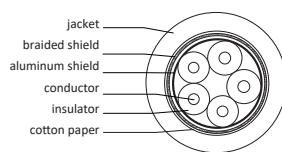
| | |
|---------------|---|
| SPECIFICATION | $\Phi 4.8(7/0.16\text{TC} * 1\text{P white green PE+AL+11/0.16\text{TC} * 2\text{CP red black+AL+D7/0.12\text{TC+96/0.10\text{TC}}80\text{A cold-proof-40°C PU black}}$ |
| CONDUCTOR | SIZE 26AWG \& 24AWG |
| | SPECIFICATION MATERIAL Tin-Coated Copper |
| | CONSTRUCTION $7/16&11/0.16$ |
| | COLOR tin colour |
| INSULATION | AVG. THICK 0.242 mm |
| | MIN. THICK 0.217 mm |
| | DIAMETER $\Phi 0.9\text{mm \&} 1.1\text{mm}\pm 0.05$ |
| | MATERIAL PE |
| SHIELDED | COLOR white green & red black |
| | MATERIAL $\text{AL+Tin-Coated Copper}$ |
| | CONSTRUCTION $8\text{mmAL+16/6/0.10\text{TC}\pm 6$ |
| | |
| JACKET | AVG. THICK 0.80mm |
| | MIN. THICK 0.775mm |
| | DIAMETER $4.8\text{mm}\pm 0.1$ |
| | MATERIAL $80\text{A cold-proof-40°C PU black}$ |
| MARKING | COLOR matt black colour |
| | no letter printed on the cable surface |

FC.PUR.N05.2401



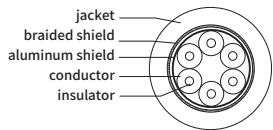
| | |
|---------------|--|
| SPECIFICATION | $\Phi 4.8(11/0.16\text{TC} * 1.1\text{PE}^5\text{Cred black white blue green+AL+BR96/0.10\text{TC+PT}}80\text{A cold-proof-40°C PU black}$ |
| CONDUCTOR | SIZE 24 AWG |
| | SPECIFICATION MATERIAL Tin-Coated Copper |
| | CONSTRUCTION $11/0.16$ |
| | COLOR tin colour |
| INSULATION | AVG. THICK 0.2135mm |
| | MIN. THICK 0.2085mm |
| | DIAMETER $\Phi 1.05\pm 0.05$ |
| | MATERIAL PE |
| SHIELDED | COLOR red black white blue green |
| | MATERIAL Tin-Coated Copper |
| | CONSTRUCTION $10\text{mmAL+BR96/0.10\pm 6+PT}$ |
| | |
| JACKET | AVG. THICK 1.275mm |
| | MIN. THICK 1.125mm |
| | DIAMETER $4.8\text{mm}\pm 0.1$ |
| | MATERIAL $80\text{A cold-proof-40°C PU black}$ |
| MARKING | COLOR matt black colour |
| | no letter printed on the cable surface |

FC.PUR.N05.2426



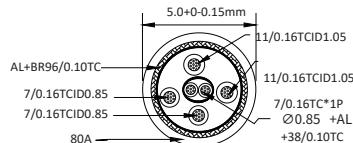
| | |
|---------------|--|
| SPECIFICATION | $(2\text{C} * 24\text{AWG black red+3C} * 26\text{AWG green blue white+AL+B+P})\text{PU-813/80A(Black)(Non-flame-retardant)}$ (temperature-resistance: -40°C→+80°C) |
| CONDUCTOR | SIZE 24AWG \& 26 AWG |
| | SPECIFICATION MATERIAL TA |
| | CONSTRUCTION $11/0.16&7/0.16$ |
| | STRANDED LAY $0.7\text{INCH}\&0.6\text{INCH}$ |
| INSULATION | DIAMETER $\Phi 2.05\text{mm}\pm 0.05$ |
| | MATERIAL HD-PE |
| | COLOR black red green blue white |
| | |
| STRANDED | STRANDED LAY $60\pm 10\text{MM}$ |
| | AL-FOIL SPECIFICATION $0.02*15\text{MM}(\text{Conductive facing outside})$ |
| | OVERLAP RATE Above 25% |
| SHIELDED | BRAIDED MATERIAL $16*6/0.10\text{MM}$ |
| | COTTON PAPER MATERIAL $\text{TA}(12)(\text{covering: 75%MIN})$ |
| | DIAMETER $4.8\text{mm}\pm 0.1$ |
| JACKET | MATERIAL PU-813/80A(Black) (Non-flame-retardant) (temperature-resistance: -40°C→+80°C) |
| | COLOR matt black colour |
| | |
| MARKING | no letter printed on the cable surface |

FC.PUR.N06.2001



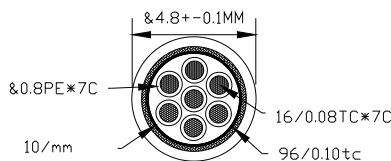
| | | |
|-----------------------|---|--|
| SPECIFICATION | $\Phi 7.0(6C*0.5mm^2$ black red orange yellow green+ AL+PU-813/85A(Black) (flame-retardant) Temperature-resistance: -40°C~+80°C) | |
| CONDUCTOR | SIZE | 0.5mm ² |
| | SPECIFICATION MATERIAL | TA |
| | CONSTRUCTION | 25/0.16mm |
| | STRANDED LAY | 0.8INCH |
| INSULATION | DIAMETER | $\Phi 1.50 \pm 0.05MM$ |
| | MATERIAL | SR-PVC |
| | COLOR | black brown red orange yellow green |
| STRANDED | STRANDED LAY | 100±10MM |
| AL-FOIL SPECIFICATION | 0.02*25MM(anti-surrounding) | |
| OVERLAP RATE | Above 25% | |
| SHIELDED | MATERIAL | 16*7/0.12MM TA(6) |
| COVERING | 65%MIN | |
| JACKET | DIAMETER | 7.00±0.20MM |
| MATERIAL | (flame-retardant)(temperature-resistance: -40°C~+80°C) | |
| COLOR | half-matt black colour | |
| MARKING | no letter printed on the cable surface | |

FC.PUR.N06.2426-1



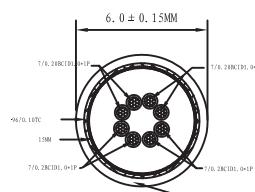
| | | |
|---------------|---|---------------------------------|
| SPECIFICATION | $\Phi 5.0(11/0.16TC*1.05*2Cred$ black+7/0.16TC*0.85*1P white green+38/0.10TC Winding shield+7/0.16TC*0.85*2C blue yellow+AL+96/0.10TC) 80A cold-proof-40°C PU black | |
| CONDUCTOR | SIZE | 26AWG &24 AWG |
| | SPECIFICATION MATERIAL | Tin-Coated Copper |
| | CONSTRUCTION | 7/16& 11/0.16 |
| | COLOR | tin colour |
| INSULATION | AVG . THICK | 0.242 mm |
| | MIN . THICK | 0.217 mm |
| | DIAMETER | $\Phi 0.9mm$ & $1.1mm \pm 0.05$ |
| | MATERIAL | PE |
| STRANDED | COLOR | white green & red black |
| | MATERIAL | AL+Tin-Coated Copper |
| | CONSTRUCTION | 8mmAL+16/6/0.10TC±6 |
| | AVG . THICK | 0.80mm |
| JACKET | MIN . THICK | 0.775mm |
| | DIAMETER | $4.8mm \pm 0.1$ |
| | MATERIAL | 80A cold-proof-40°CPU black |
| | COLOR | matt black colour |
| MARKING | no letter printed on the cable surface | |

FC.PUR.N07.2801



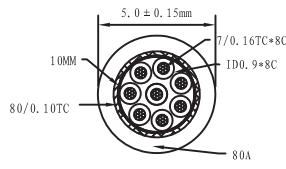
| | | |
|---------------|--|--|
| SPECIFICATION | $\Phi 4.8<16/0.08TC ID0.8*7C$ +AL+96/0.10TC braided>80A cold-proof-40°CPU black | |
| CONDUCTOR | SIZE | 28AWG |
| | SPECIFICATION MATERIAL | Tin-Coated Copper |
| | CONSTRUCTION | 16/0.08TC |
| | COLOR | tin colour |
| INSULATION | AVG . THICK | 0.2305mm |
| | MIN . THICK | 0.2013mm |
| | DIAMETER | $\Phi 0.8 \pm 0.05mm$ |
| | MATERIAL | PE |
| STRANDED | COLOR | white black blue green brown red yellow |
| | MATERIAL | Tin-Coated Copper |
| | CONSTRUCTION | AL +braided96/0.10TC |
| | AVG . THICK | 0.8120mm |
| JACKET | MIN . THICK | 0.7921mm |
| | DIAMETER | $4.8mm \pm 0.1$ |
| | MATERIAL | 80A cold-proof-40°CPU black |
| | COLOR | matt black colour |
| MARKING | no letter printed on the cable surface | |

FC.PUR.N08.2603



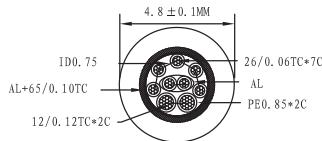
| | | |
|---------------|--|---|
| SPECIFICATION | $\Phi 6.0(8C HSYV +AL+96/0.10TCV braided+PT)$ OD6.0 cold-proof-40°CPU | |
| CONDUCTOR | SIZE | 26AWG |
| | SPECIFICATION MATERIAL | Bare copper |
| | CONSTRUCTION | &7/0.2BC |
| | COLOR | tin colour |
| INSULATION | AVG . THICK | 0.2305mm |
| | MIN . THICK | 0.2013mm |
| | DIAMETER | $\Phi 1.0 \pm 0.05mm$ |
| | MATERIAL | PE+color concentrate |
| STRANDED | COLOR | yellow white+yellow bulle white+blue green white+ green brown white+brown |
| | MATERIAL | Tin-Coated Copper |
| | CONSTRUCTION | AL+96/0.10TC braided |
| | AVG . THICK | 1.0982mm |
| JACKET | MIN . THICK | 0.9131mm |
| | DIAMETER | $6.0 \pm 0.15mm$ |
| | MATERIAL | 80A PU cold-proof-40°C PU |
| | COLOR | matt black colour |
| MARKING | no letter printed on the cable surface | |

FC.PUR.N08.2601



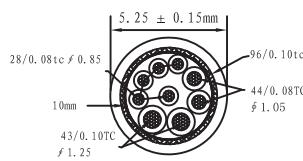
| | |
|---------------|--|
| SPECIFICATION | Φ5.(0.7/0.16BCIDO.9*8C+AL+80/0.10 braided) +cotton gray colour cold-proof-40°C PU |
| CONDUCTOR | SIZE 26AWG |
| | SPECIFICATION MATERIAL Bare copper |
| | CONSTRUCTION &7/0.16TC |
| | COLOR Bare copper |
| INSULATION | Avg. Thick 0.2305mm |
| | Min. Thick 0.2013mm |
| | Diameter Φ0.9±0.05mm |
| | Material HDPE |
| SHIELDED | Color white black purple grey orange brown red yellow |
| | MATERIAL Bare copper |
| JACKET | CONSTRUCTION AL+80/0.10BC |
| | Avg. Thick 1.0982mm |
| | Min. Thick 0.9131mm |
| | Diameter 5.0mm±0.15 |
| MARKING | Material 80A cold-proof-40°C PU gray |
| | Color gray |
| MARKING | no letter printed on the cable surface |

FC.PUR.N09.2628



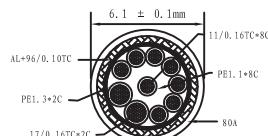
| | |
|---------------|---|
| SPECIFICATION | Φ4.8(12/0.12TC*0.85PE+2C+26/0.06TC*0.65PE*1P+ AL+5C+AL+65/0.10TC+PT)cold-proof-40°C PU cable |
| CONDUCTOR | SIZE 2*0.14mm ² +7*0.08mm ² |
| | SPECIFICATION MATERIAL Tin-Coated copper |
| | CONSTRUCTION 12/0.12 & 26/0.06 |
| | COLOR tin color |
| INSULATION | Avg. Thick 0.2435mm |
| | Min. Thick 0.2185mm |
| | Diameter Φ0.85 & 0.65±0.05 |
| | Material PE |
| SHIELDED | Color red,black,blue,purple,yellow, grey,orange,white,green |
| | MATERIAL bare copper |
| JACKET | CONSTRUCTION 10mmAL+65/0.10TC braid+PT |
| | Avg. Thick 0.975mm |
| | Min. Thick 0.925mm |
| | Diameter Φ4.8mm±0.1 |
| MARKING | Material cold-proof-40°C PU cable |
| | Color matt black color |
| MARKING | no letter printed on the cable surface |

FC.PUR.N09.2226



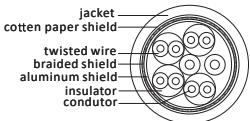
| | |
|---------------|--|
| SPECIFICATION | Φ5.2(43/0.10TC1.25+44/0.08TC1.05+28/0.08TC0.85) +AL+96/0.10BR cold-proof -40°C PU cable |
| CONDUCTOR | SIZE 2*0.34mm ² +2*0.22mm ² +5*0.14mm ² |
| | SPECIFICATION MATERIAL Tin-Coated copper |
| | CONSTRUCTION 43/0.10TC 44/0.08TC 28/0.08TC |
| | COLOR tin color |
| INSULATION | Avg. Thick 0.2305mm |
| | Min. Thick 0.2013mm |
| | Diameter &1.25 &1.05 &0.85 |
| | Material PE |
| SHIELDED | Color red,grey blue,brown,yellow, white,purple,green,orange |
| | MATERIAL Tin-Coated copper |
| JACKET | CONSTRUCTION AL+96/0.10TC braid |
| | Avg. Thick 1.0982mm |
| | Min. Thick 0.9131mm |
| | Diameter Φ5.25mm±0.25 |
| MARKING | Material cold-proof -40°C PU cable |
| | Color matt black color |
| MARKING | no letter printed on the cable surface |

FC.PUR.N10.2224



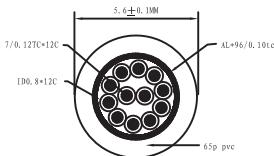
| | |
|---------------|---|
| SPECIFICATION | Φ6.1(17/0.16TC 1D1.3*2C+11/0.16ID1.1*8C) +AL+96/0.10TC braid cold-proof -40°C PU cable |
| CONDUCTOR | SIZE 2*0.34mm ² +8*0.2m ² |
| | SPECIFICATION MATERIAL Tin-Coated copper |
| | CONSTRUCTION 17/0.16TC 11/0.16TC |
| | COLOR 17/0.16TC 11/0.16TC |
| INSULATION | Avg. Thick 0.2690mm |
| | Min. Thick 0.2453mm |
| | Diameter &1.3 &1.1±0.05mm |
| | Material PE |
| SHIELDED | Color red,black, white,purple,green, orange,brown,yellow,blue, green |
| | MATERIAL Tin-Coated copper |
| JACKET | CONSTRUCTION AL+96/0.10TC braid |
| | Avg. Thick 0.6185mm |
| | Min. Thick 0.6014mm |
| | Diameter Φ6.1mm±0.1 |
| MARKING | Material cold-proof -40°C PU cable |
| | Color matt black color |
| MARKING | no letter printed on the cable surface |

FC.PUR.N10.2601



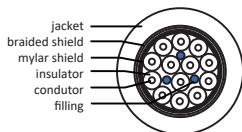
| | | |
|---------------|--|--|
| SPECIFICATION | $\Phi 7.0(4P*26AWG+20*26AWG+AL+B+P)$ cold-proof -40°C PU cable | |
| CONDUCTOR | SIZE | 10*0.14mm ² |
| | SPECIFICATION MATERIAL | Tin-Coated copper |
| | CONSTRUCTION | 7/0.165MM,7/0.16MM |
| | COLOR | tin color |
| INSULATION | AVG . THICK | 0.89MM |
| | MIN . THICK | 0.87MM |
| | DIAMETER | &1.00±0.05MM |
| | MATERIAL | PE |
| SHIELDED | COLOR | red,back+blue*white blue orange*white orange green*white green brown*white brown |
| | MATERIAL | Tin-Coated copper |
| | CONSTRUCTION | 0.020*18MM |
| | DIAMETER | $\Phi 7.00\pm 0.20$ MM |
| JACKET | MATERIAL | cold-proof -40°C PU cable |
| | COLOR | matt black color |
| | MARKING | no letter printed on the cable surface |

FC.PVC.N12.2801



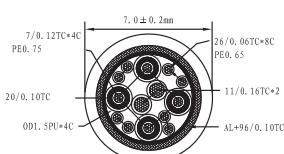
| | | |
|---------------|--|--|
| SPECIFICATION | $\Phi 5.6(7/12TC*0.8*12C)+AL+96/0,10TC)$ PVC cable | |
| CONDUCTOR | SIZE | 12*0.08mm ² |
| | SPECIFICATION MATERIAL | Tin-Coated copper |
| | CONSTRUCTION | 7/0.12 |
| | COLOR | tin color |
| INSULATION | AVG . THICK | 0.2435mm |
| | MIN . THICK | 0.2185mm |
| | DIAMETER | $\Phi 0.8$ |
| | MATERIAL | PVC |
| SHIELDED | COLOR | red,black,white,green,blue,yellow,brown,orange,purple,grey,pink,light blue |
| | MATERIAL | Bare copper |
| | CONSTRUCTION | AL+96/0.10TC |
| | AVG . THICK | 0.975mm |
| JACKET | MIN . THICK | 0.925mm |
| | DIAMETER | $\Phi 5.6mm\pm 0.15$ |
| | MATERIAL | PVC cable |
| | COLOR | matt black color |
| MARKING | no letter printed on the cable surface | |

FC.PUR.N13.2601



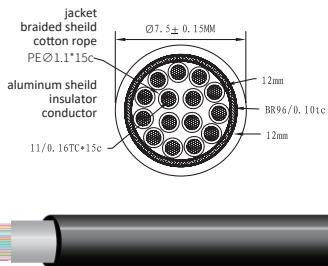
| | | |
|---------------|--|--|
| SPECIFICATION | $\Phi 6.6(13C*26AWG+F+MY+B)$ VW-1 PU cable | |
| CONDUCTOR | SIZE | 13*0.14mm ² |
| | SPECIFICATION MATERIAL | BA |
| | CONSTRUCTION | 19/0.10MM |
| | COLOR | tin color |
| INSULATION | DIAMETER | $\Phi 0.90\pm 0.05$ MM |
| | MATERIAL | PE |
| | COLOR | Black,brown,red,orange,yellow,green,blue,purple,grey,white,black white, brown white, red white |
| | SHIELDED | Bare copper |
| JACKET | CONSTRUCTION | 16*5/0.12MM TA |
| | DIAMETER | $\Phi 6.60\pm 0.20$ MM |
| | MATERIAL | VW-1 PU cable |
| | COLOR | matt black color |
| MARKING | no letter printed on the cable surface | |

FC.PUR.N14.2428-T



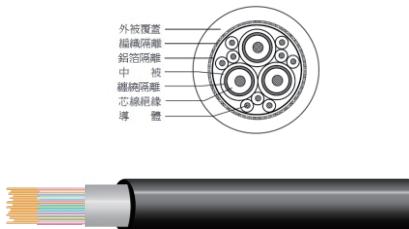
| | | |
|---------------|---|--|
| SPECIFICATION | $\Phi 7.0(26/0.06*9c* D0.65+11/0.16tc*2c 01.1*(7/0.12tc D0.75 +sp20/0.10tc) 1.5*AL+ 96/0.10TC braid)$ cold-proof -40°C PU cable | |
| CONDUCTOR | SIZE | $2^*0.2mm^2+8*0.14mm^2+4*0.08mm^2$ (50ohm) |
| | SPECIFICATION MATERIAL | Tin-Coated copper |
| | CONSTRUCTION | 26/0.06TC11/0.16TC 7/0.12TC |
| | COLOR | tin color |
| INSULATION | AVG . THICK | 0.2305mm |
| | MIN . THICK | 0.2013mm |
| | DIAMETER | $\&0.65 \&1.1&0.75\pm 0.05$ mm |
| | MATERIAL | PE |
| SHIELDED | COLOR | white,red,black,yellow,green,blue,grey,brown, red black, red,yellow, brown,white |
| | MATERIAL | Tin-Coated copper |
| | CONSTRUCTION | 20/0.10tc |
| | AVG . THICK | 1.0982mm |
| JACKET | MIN . THICK | 0.9131mm |
| | DIAMETER | $7.0mm\pm 0.25$ |
| | MATERIAL | cold-proof -40°C PU cable |
| | COLOR | matt black color |
| MARKING | no letter printed on the cable surface | |

FC.PUR.N15.2401



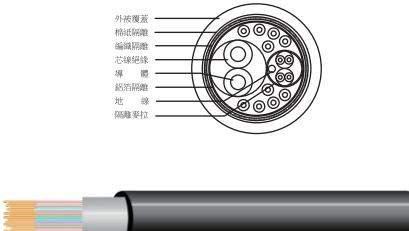
| | | | |
|----------------------|------------------------|--|--|
| SPECIFICATION | | Φ7.5(11.0/16TC*15C+AL+BR96/0.10TC+PT)Cold-proof -40°C PU cable | |
| CONDUCTOR | SIZE | 15*0.2mm ² | |
| | SPECIFICATION MATERIAL | Tin-Coated copper | |
| | CONSTRUCTION | &11.0/16TC | |
| | COLOR | tin color | |
| INSULATION | AVG. THICK | 0.2435mm | |
| | MIN. THICK | 0.2113mm | |
| | DIAMETER | Φ1.1±0.05mm | |
| | MATERIAL | PE | |
| SHIELDED | COLOR | white, green, red, black, blue, yellow, brown, orange, purple, grey, glassy, glassy red, glassy yellow, glassy black | |
| | MATERIAL | Tin-Coated copper | |
| JACKET | CONSTRUCTION | AL+BR96/0.10TC±6+PT | |
| | AVG. THICK | 0.7391mm | |
| | MIN. THICK | 0.6235mm | |
| | DIAMETER | Φ7.5mm±0.15 | |
| | MATERIAL | cold-proof -40°C PU cable | |
| MARKING | | no letter printed on the cable surface | |

FC.PUR.N15.2801-T



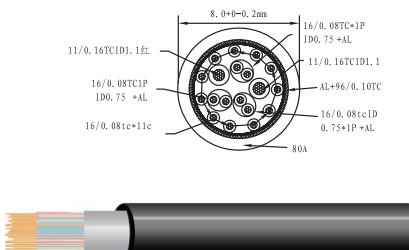
| | | |
|----------------------|---|---|
| SPECIFICATION | Φ8.0(3C*UL1354(S)+9C*28AWG+AL+B/UL2919) flammmability vv-w1 cold-proof -55°C TPU cable | |
| CONDUCTOR | SIZE | 9*0.08mm ² *3+9*0.08mm ² (75ohm) |
| | SPECIFICATION MATERIAL | TA |
| | CONSTRUCTION | &11/0.16TC |
| | COLOR | TA |
| INSULATION | DIAMETER | Φ1.60±0.05MM /0.85±0.05MM |
| | MATERIAL | FM-PE/SR-PVC |
| | COLOR | red,black,yellow,green,brown, blue,purple,orange, grey+coaxial red,green,blue |
| SHIELDED | MATERIAL | TA |
| | CONSTRUCTION | 16*9*0.12MM |
| JACKET | DIAMETER | Φ7.80±0.20MM |
| | MATERIAL | UL-813/70P cold-proof-40°C Pu cable |
| | COLOR | matt black color |
| MARKING | E119932-U AWM 2919 80°C 30V VW-1 LOAD VOLTAGE COMPUTER CABLE COPARTNER | |

FC.TPU.N16.1401



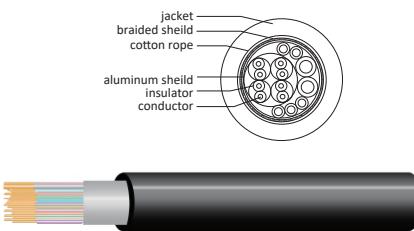
| | | |
|----------------------|--|---|
| SPECIFICATION | Φ12.0(2P*26#+D+AL+MY)+(2C*14#+AL)+3C*24#+7C*26#+AL+B+P cold-proof -40°C PU cable | |
| CONDUCTOR | SIZE | 2*2.0mm ² +3*0.2mm ² 7*0.14mm ² *4+0.14mm ² |
| | SPECIFICATION MATERIAL | BA+TA+TA+TA |
| | CONSTRUCTION | 7/0.165MM 41/0.254MM 7/0.20MM 7/0.16MM |
| | COLOR | BA/TA |
| INSULATION | DIAMETER | 0.87±0.90MM 2.80±0.10MM 1.10±0.05MM 1.0±0.05MM |
| | MATERIAL | HD-PE |
| | COLOR | red/black+purple grey white + red black brown orange yellow green blue + green* white green+brown/ white brown |
| | | |
| SHIELDED | MATERIAL | TA |
| | CONSTRUCTION | 24*10/0.12MM TA+0.040*40MM paper |
| JACKET | DIAMETER | Φ12.0±0.30MM |
| | MATERIAL | flamability VW-1 cold- proof -55°C TPU-B13 cable |
| | COLOR | matt black color |
| MARKING | no letter printed on the cable surface | |

FC.PUR.N19.2428-S



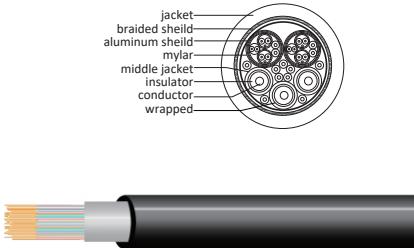
| | | |
|---|--|---|
| SPECIFICATION | Φ8.0 (11/0.16TC*1.1*2C+16/0.08TC*0.75*11C+16/0.08TC1P+AL+16/0.08TC1P+AL+16/0.08TC1P+AL) + AL+96/0.10TC cold-proof -40°C PU cable | |
| CONDUCTOR | SIZE | 2*2.0mm ² +17*0.8mm ² |
| | SPECIFICATION MATERIAL | Tin-Coated copper |
| | CONSTRUCTION | 11/0.16 & 16/0.08 |
| | COLOR | tin color |
| INSULATION | AVG. THICK | 0.2435mm |
| | MIN. THICK | 0.2185mm |
| | DIAMETER | Φ1.10±0.05±0.05 |
| | MATERIAL | PE |
| SHIELDED | COLOR | red,black+white,green,red,black,blue,yellow,brown,orange,purple,gray,pink,blue*yellow,green*white,purple*orange |
| | MATERIAL | Bare copper |
| JACKET | CONSTRUCTION | 15mmAL+96/0.10TC braid+PT |
| | AVG. THICK | 0.975mm |
| | MIN. THICK | 0.925mm |
| | DIAMETER | Φ8.0mm±0.2 |
| MARKING | MATERIAL | cold-proof -40°C PU cable |
| | COLOR | matt black color |
| no letter printed on the cable surface | | |

FC.PUR.N20.3001-T



| | |
|---------------|---|
| SPECIFICATION | $\Phi 7.0(4P*28#+AL)*1C+2C*18#+5C*26#+AL+B+P)PU-813/85A$ cable |
| CONDUCTOR | SIZE $4*0.05mm^2+10*0.05mm^2+0.05mm^2(75ohm)$ SPECIFICATION MATERIAL BA/TA/TA CONSTRUCTION $7/0.127MM\ 34/0.18MM\ 7/0.16MM$ COLOR BA/TA/TA |
| INSULATION | DIAMETER $\phi 0.75\pm 0.05MM/1.80\pm 0.05MM/0.70\pm 0.05MM$ MATERIAL HD-PE/SR-PVC/HD-PE COLOR red,yellow,brown,orange+brown*white,blue*white,red*white,green*white,black*white+coaxial white |
| SHIELDED | MATERIAL TA CONSTRUCTION $16*8/0.12MM\ TA$ |
| JACKET | DIAMETER $8.00\pm 0.20MM$ MATERIAL PU-813/85A COLOR matt black color |
| MARKING | no letter printed on the cable surface |

FC.PUR.N32.2830-T



| | |
|---------------|--|
| SPECIFICATION | $\Phi 9.5((1c*30#+S)3C+9C*30#+((1P*32#+DAM)2C+1P*32#+2C*28#+ABM)2C+AB)UL-813/70P$ PU cable |
| CONDUCTOR | SIZE $2*0.08mm^2+3*0.05mm^2+9*0.05mm^2+6*0.03mm^2(75ohm)$ SPECIFICATION MATERIAL TA CONSTRUCTION $(1c*30#+S)3C+9C*30#/(1P*32#+DAM)2C+1P*32#+2C*28#+ABM)2C$ COLOR TA |
| INSULATION | DIAMETER $\phi 1.30\pm 0.05MM/1.30\pm 0.05MM/0.55\pm 0.01MM/0.50\pm 0.05mm/0.65\pm 0.05MM$ MATERIAL FM-PE/PP/FM-PE+SKIN/HD-PE COLOR red,black+pink,light green,light blue+red,black,brown,orange,yellow,green,blue,purple,grey+yellow+blue,orange*purple,green*white |
| SHIELDED | MATERIAL TA CONSTRUCTION $24*8/0.12MM\ TA$ |
| JACKET | DIAMETER $9.50\pm 0.20MM$ MATERIAL UL-813/70P PU cable COLOR matt black color |
| MARKING | no letter printed on the cable surface |

Product Safety Notice

PLEASE READ AND FOLLOW ALL INSTRUCTIONS CAREFULLY AND CONSULT ALL RELEVANT NATIONAL AND INTERNATIONAL SAFETY REGULATIONS FOR YOUR APPLICATION.

IMPROPER HANDLING, CABLE ASSEMBLY, OR WRONG USE OF CONNECTORS CAN RESULT IN HAZARDOUS SITUATIONS.

1.SHOCK AND FIRE HAZARD

Incorrect wiring, the use of damaged components, presence of foreign objects (such as metal debris), and / or residue (such as cleaning fluids), can result in short circuits, overheating, and / or risk of electric shock.

Mated components should never be disconnected while live as this may result in an exposed electric arc and local overheating, resulting in possible damage to components.

2.HANDLING

Connectors and their components should be visually inspected for damage prior to installation and assembly. Suspect components should be rejected or returned to the factory for verification.

Connector assembly and installation should only be carried out by properly trained personnel. Proper tools must be used during installation and / or assembly in order to obtain safe and reliable performance.

3.USE

Connectors with exposed contacts should never be live (or on the current supply side of a circuit). Under general conditions voltages above 30 VAC and 42 VDC are considered hazardous and proper measures should be taken to eliminate all risk of transmission of such voltages to any exposed metal part of the connector.

4.TEST AND OPERATING VOLTAGES

The maximum admissible operating voltage depends upon the national or international standards in force for the application in question. Air and creepage distances impact the operating voltage; reference values are indicated in the catalog however these may be influenced by PC board design and / or wiring harnesses.

The test voltage indicated in the catalog is 75% of the mean breakdown voltage; the test is applied at 500 V/S and the test duration is 1 minute.

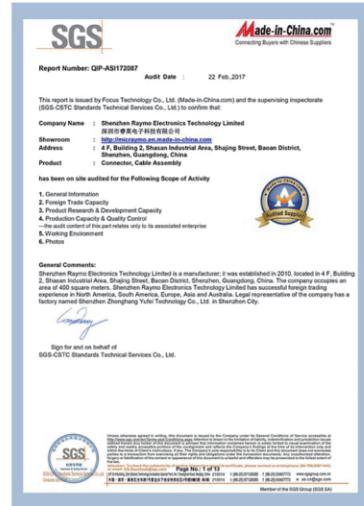
5.CE MARKING

CE Marking is applied to a complete product or device, and implies that the device complies with one or several European safety directives.

CE Marking can not be applied to electromechanical components such as connectors.

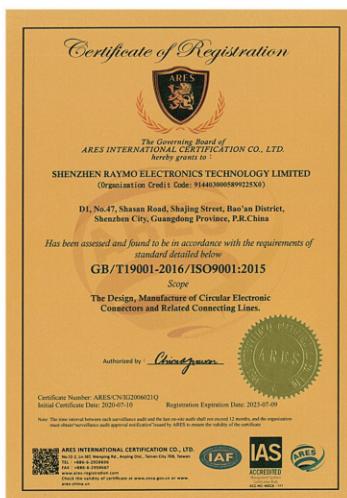
6.PRODUCT IMPROVEMENTS

SHENZHEN RAYMO ELECTRONICS TECHNOLOGY LIMITED have the right to modify and improve to our products or specifications without providing prior notification.



Certificate of High and New Technology Enterprise

SGS



ISO9001:2015

Management System Certificate



CE

ROHS2.0



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