



PRODUCTS CATALOG

Professional Circular Connector Manufacturer
Cable Assembly Solutions Experts



RAYMO ELECTRONICS TECHNOLOGY LIMITED

About"RAYMO"

RAYMO ELECTRONICSTECH NOLOGYLIMITED, here in after referred to as the " 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 solutions to meet customer's demand in this fields.

RAYMO has already established anintegrated quality control system from R&D, Supply Chain, Marketing, Sales, after-sales service to meet customer deeper demand, and expect to achieve Raymo's globalization strategy.

More than 3000 types connectors

Aimed on providing customer with suitable higher-qualified connectors and cable assemblies, our factory has already designedand developed over 3000 types ofconnectorsand 1000 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

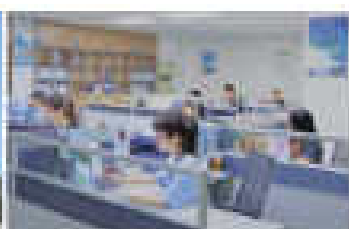
Design and develop more precision and suitable push pull connectors and cable assemblies for all humanity and the world
Provide better living conditions for employees

Certificates

CE RoHS ISO9001-2015 SGS REACH



Building



Office



R&D



Production Department



Cable Warehouse



Warehouse



CNC Department



Over-Mold Department

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RM-F Series

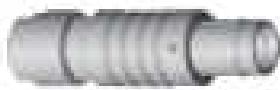
Metal Waterproof Push Pull Self-locking Connector

- 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



SV

Receptacles



D



DEE/DEU



DBP



DBPC



DBPE/DBPU



DBPLE/DBPLU



DBEE/DBEU



FG9



FGX



FGD



FGS



KE/K



KSE/KS



PGX



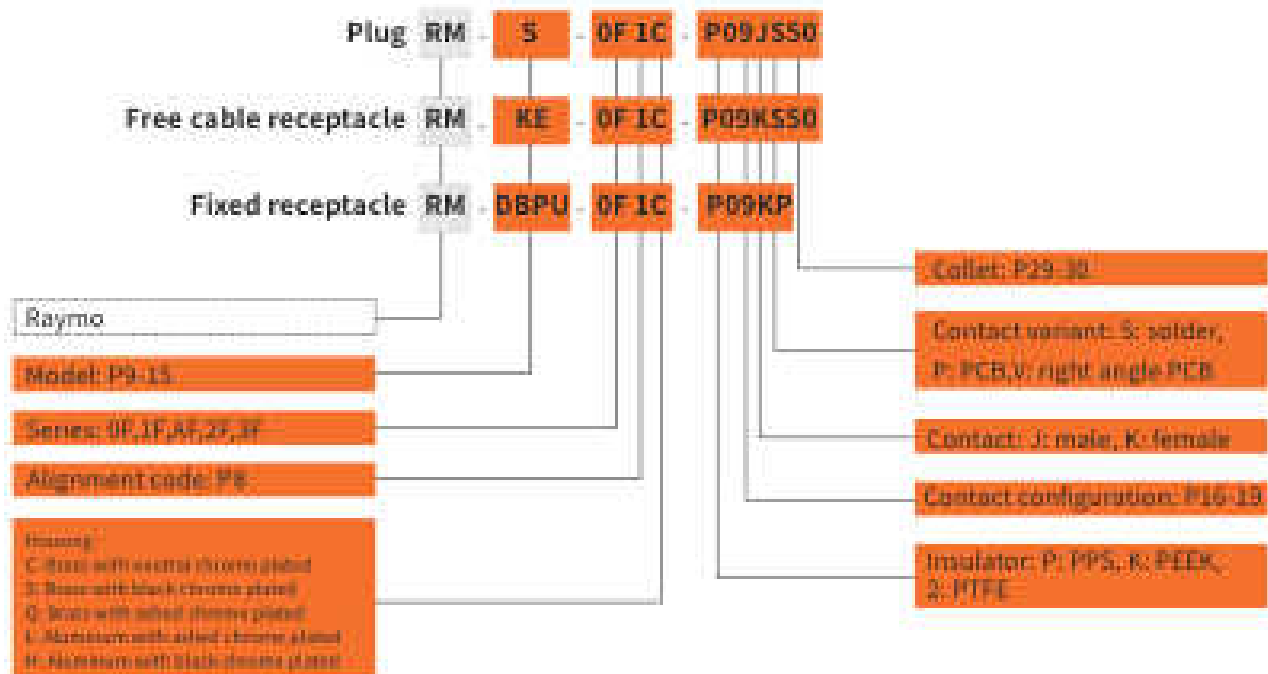
DKBE



DKE

Part Numbering System

RM-F



Part No.Example

Straight plug with cable collet

RM-S-0F1C-P09JS50= straight plug, 0F 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-0F1C-P09KS50= free cable receptacle, 0F 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.

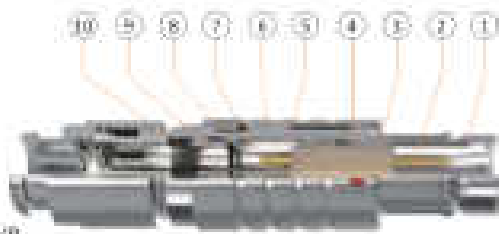
Fixed receptacle

RM-DBPU-0F1C-P09KP= fixed receptacle, nut fixing, 0F series, code 1, multipole 9 contacts, outer shell in natural chrome-plated brass, PPS insulator, female PCB contacts, IP68.

Part Section Showing Internal Components

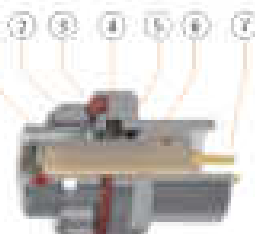
Cable Mount Plug

- 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	IEC 60619-1-3
	at 1 GHz	>80 dB	IEC 60619-1-3

Code Options

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



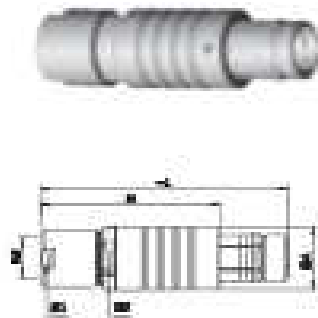
1



2

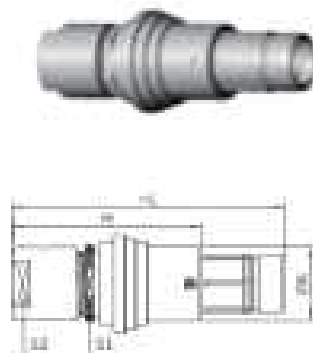


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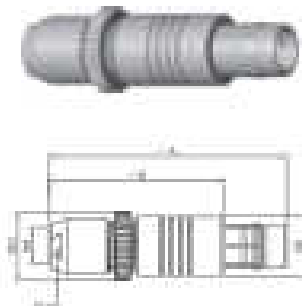
RM-S/SC Cable Mount Plug

Reference		Dimensions(mm)						
Model	Series	A	M	L	Screw thread		S1	S2
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



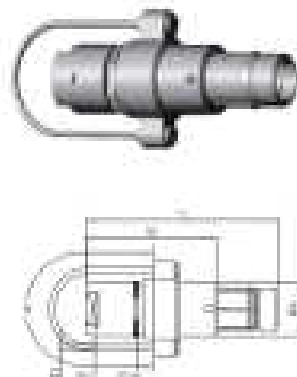
RM-SS/SSC Cable Mount Short Plug

Reference		Dimensions(mm)						
Model	Series	A	L	M	Screw thread		S1	S2
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



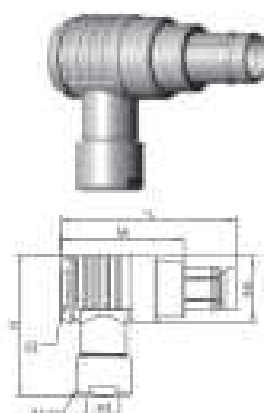
RM-SV Screw locking tamperproof straight plug

Reference		Dimensions(mm)						
Model	Series	A	B	D	Screw thread		S1	D1
RM-SV	0F	38	27.9	3.4	4.7	4.3	8	11



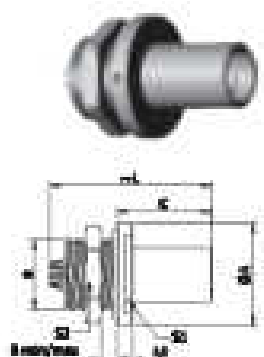
RM-FS7 Cable Mount Plug with lanyard

Reference		Dimensions(mm)							
Model	Series	A	L	M	N	Screw thread		S1	S2
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



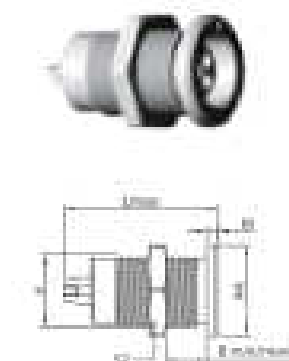
RM-WSO Elbow Right-angle Cable Mount Plug

Reference		Dimensions(mm)							
Model	Series	A	L	M	H	Pin dimensions		S1	S2
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



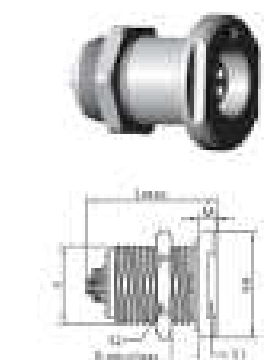
RM-SFE/SFU Fixed Sealed Panel Mount Plug

Reference		Dimensions(mm)							
Model	Series	A	B	C	e	L	M	S1	S2
RM-SFE/SFU	0F	13	Ø2.5	13.0	M9*0.5	23	3.0	11	11
RM-SFE/SFU	1F	17	Ø5.0	14.0	M12*1.0	26	3.0	14	14
RM-SFE/SFU	AF	19	Ø4.0	13.7	M14*1.0	26.5	3.7	17	14
RM-SFE/SFU	2F	22	Ø7.5	15.0	M16*1.0	28	3.0	19	19



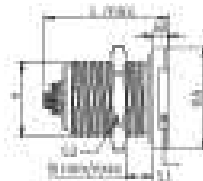
RM-D Panel Mount Receptacle

Reference		Dimensions(mm)						
Model	Series	A	B	e	L	M	S2	
RM-D	0F	11	Ø/9	M9*0.5	18.9	1.5	11	
RM-D	1F	14	Ø/8	M12*1.0	21.9	1.5	14	
RM-D	AF	16	Ø/10	M14*1.0	23.3	2	17	
RM-D	2F	19	Ø/11	M15*1.0	25.8	2.2	17	

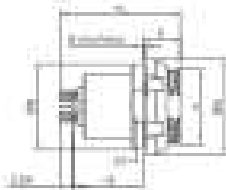


RM-DEE Hermetic Panel Mount Receptacle, Nut fixing

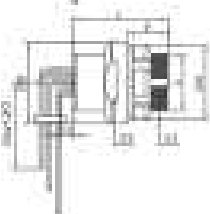
Reference		Dimensions(mm)							
Model	Series	A	B	e	L	M	S1	S2	
RM-DEE	0F	14	Ø/10	M9*0.5	20	2.5	11	11	
RM-DEE	1F	18	Ø/12	M14*1.0	23.9	3.0	14	17	
RM-DEE	AF	19	Ø/12	M14*1.0	23.3	3.0	15	17	
RM-DEE	2F	20	Ø/13	M16*1.0	25.8	4.0	17	19	

**RM-DEU** Sealed Panel Mount Receptacle, Nut fixing

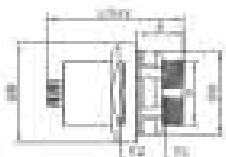
Reference		Dimensions(mm)						
Model	Series	A	B	e	L	M	S1	S2
RM-DEU	0F	14	8/10	M9*0.5	20	2.5	11	11
RM-DEU	1F	18	0/12	M14*1.0	23.8	3.0	14	17
RM-DEU	AF	19	0/12	M14*1.0	23.3	3.0	15	17
RM-DEU	2F	20	0/13	M16*1.0	25.8	4.0	17	19

**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	M16*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	12.3	15	
RM-DBPU	AF	18	19	M14*1.0	23.1	7	12	15	
RM-DBPU	2F	20.8	21	M16*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	0F	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



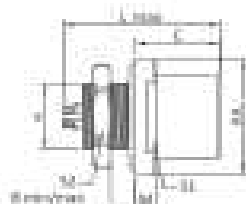
RM-DBPLU Fixed Sealed Front Mount Receptacle

Reference		Dimensions(mm)								
Model	Series	A	B	C	e	L	D	M	S1	S2
RM-DBPLU	0F	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

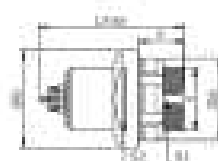


RM-DBEE Front Hermetic Panel Mount Receptacle

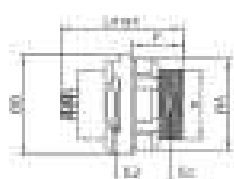
Reference		Dimensions(mm)							
Model	Series	A	B	C	e	L	M	S1	S2
RM-DBEE	0F	13.8 0/3.5	10.0	M9*0.5	20	2.5	11	11	
RM-DBEE	1F	17.8 0/4.0	13.0	M14*1.0	23.9	3.0	14	17	
RM-DBEE	AF	19	0/4.0	12.0	M14*1.0	23.3	3.0	15	14
RM-DBEE	2F	21.8 0/3.5	15.0	M16*1.0	25.8	3.0	17	19	

**RM-DBEU** Sealed Front Panel Mount Receptacle

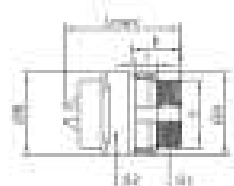
Reference		Dimensions(mm)							
Model	Series	A	B	C	e	L	M	S1	S2
RM-DBEU	0F	13.9 ±0.3/3.5	10.0		M9*0.5	20	2.5	11	11
RM-DBEU	1F	17.8 ±0.4/4.0	13.0		M14*1.0	23.9	3.0	14	17
RM-DBEU	AF	19 ±0.4/4.0	12.0		M14*1.0	23.3	3.0	15	14
RM-DBEU	2F	21.8 ±0.3/3.5	16.0		M16*1.0	25.8	3.0	17	19

**RM-FG9** Sealed Panel Mount Receptacle

Reference		Dimensions(mm)						
Model	Series	A	B	e	L	P	S1	S2
RM-FG9	0F	12	14	M9*0.5	19.2	6.5	8.0	11
RM-FG9	1F	18	18	M14*1.0	24.8	8	12.5	15
RM-FG9	AF	18	19	M14*1.0	23.1	7	12	15

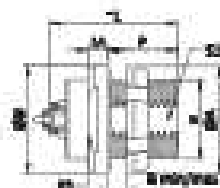
**RM-FGX** Sealed Panel Mount Receptacle only for 0F series

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-FGX	1F	18	19	M14*1.0	21	6.5	12.5	15

**RM-FGD** Panel Mount Receptacle, nut fixing

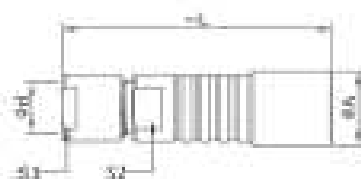
Reference		Dimensions(mm)						
Model	Series	A	B	e	L	M	S1	S2
RM-FGD	0F	12	12	M9*0.5	15.7	6.5	8.2	11

RM-F



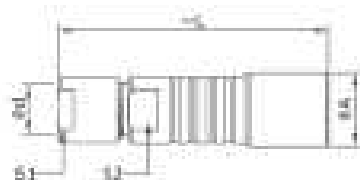
RM-FGS Back panel fixed receptacle, waterproof

Reference		Dimensions(mm)									
Model	Series	A	B	e	D	L	P	M	S1	S2	
RM-FGS	AF	18	0/0	M14*0.5	19	23.1	12	3.7	12	15	



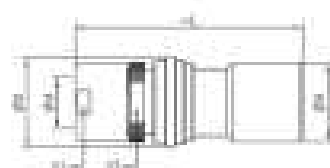
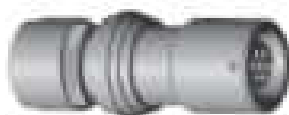
RM-KE Sealed Cable Mount Receptacle

Reference		Dimensions(mm)					
Model	Series	A	L	Cable diameter		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



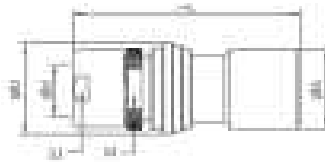
RM-K Cable Mount Receptacle

Reference		Dimensions(mm)					
Model	Series	A	L	Cable diameter		S1	S2
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



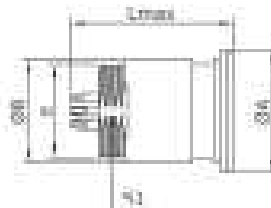
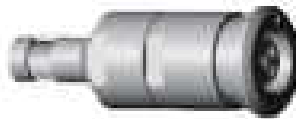
RM-KSE Short Sealed Cable Mount Receptacle

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	



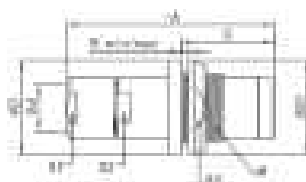
RM-KS Short Cable Mount Receptacle

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	



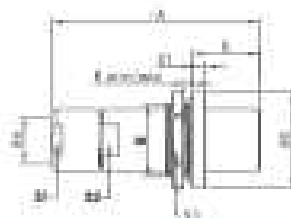
RM-PGX Cable Mount Receptacle only used by overmoulding

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	24.0	9.0	
RM-PGX	AF	16	14	M12*0.6	23.1	10	
RM-PGX	2F	18	16	M14*0.6	24.2	12	



RM-DKBE Panel Mounted Cable Receptacles

Reference		Dimensions(mm)											
Model	Series	A	B	C	D	Ø12		M	S1	S2	S3		
RM-DKBE	0F	35	Ø3.5	16	16	4.7	4.3	16	12*1	7	7	13	
RM-DKBE	1F	43	Ø4.0	19	19	6.7	6.2	20	15*1	10	10	17	
RM-DKBE	AF	46	Ø4.0	21	21	7.2	6.7	20	16*1	12	11	17	
RM-DKBE	2F	50	Ø5.0	23	23	8.7	8.7	23	18*1	12	13	20	



RM-DKE Panel Mounted Cable Receptacles

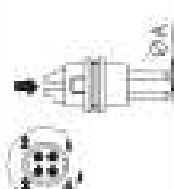
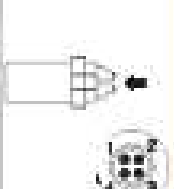
Reference		Dimensions(mm)											
Model	Series	A	B	C	C1	D	Ø12		M	S1	S2	S3	
RM-DKE	2F	50	Ø5	16	3	22	8.7	8.7	16*1	12	13	19	

Insulator Configuration

											
			Code	QW(D)	Contact diameter	Contact Hs.	Contact max diameter	Insert max diameter	Voltage standing wave ratio VSWR(5-6GHz)	Test voltage (kV rms)	Current (A)
0F			250	50	0.9	50	0.95	2.95	1.09 +0.11/-	3.0	6
			275	75	0.7	75	1.05	3.95	1.02 +0.25/-	2.4	3
1F			250	50	1.6	50	1.35	3.95	1.01 +0.23/-	3.0	12
			275	75	1.3	75	1.05	3.95	1.02 +0.08/-	2.4	10
2F			250	50	2.0	50	1.75	5.95	1.01 +0.05/-	3.0	15
			275	75	1.6	75	1.35	5.95	1.02 +0.03/-	1.5	12

- First choice alternative
- Special order alternative

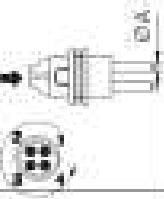
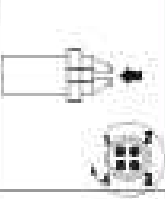
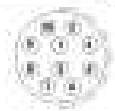
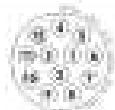
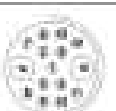
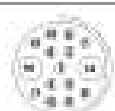
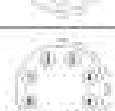
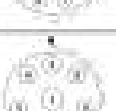
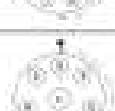
Insulator Configuration

												
				Circle	Contact No.	Ø (mm)	Solder contact	PCB straight contact	PCB elbow contact	Test voltage/contact shield 4/5 AC rms	Test voltage/contact contact 6/5 AC rms	Rated current /A
0F			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	

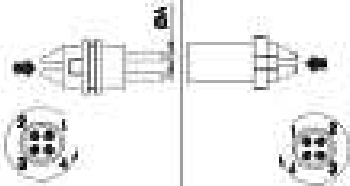
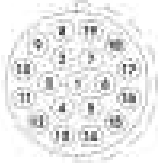
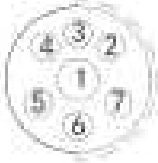
- First choice alternative
- Special order alternative

Insulator Configuration

RM-F

												
												
				Code	Contact No.	Q(A/MP)	Solder contact	PCB straight contact	PCB elbow contact	Test voltage/contact -sheld 1 kV AC-rms	Test voltage/contact -contact 0.9 kV 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	16.0
				P04	4	1.3	●	●	●	1.60	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
				P11	11	0.9	●	●	●	1.40	1.50	5.8
				P16	16	0.7	●	●	●	1.00	1.50	4.0

- First choice alternative
- Special order alternative

										
		Code	Contact No.	AWG (mm ²)	Solder contact	PCB straight contact	PCB ellipic contact	Test voltage/contact shell 1/2 AC rms	Test voltage/contact contact 1/2 AC rms	Rated current /A
2F		P15	15	0.7	●	●	●	0.80	1.20	3.5
		P26	26	0.5	●	○	○	0.75	1.10	1.0
3F		P04	4	2.0	●	○	○	1.8	2.60	20.0
		P07	1	2.0	●	○	○	2.0	3.00	25.0
			6	1.3	●	○	○	1.5	2.00	7.0
		P37	27	0.5	●	○	○	0.75	1.00	1.0
			10	0.7	●	○	○	0.75	1.10	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 +150°C
- Available solder, PCB and right angle PCB contact



RM-L Series

Plugs



FS2



FSX

Receptacles

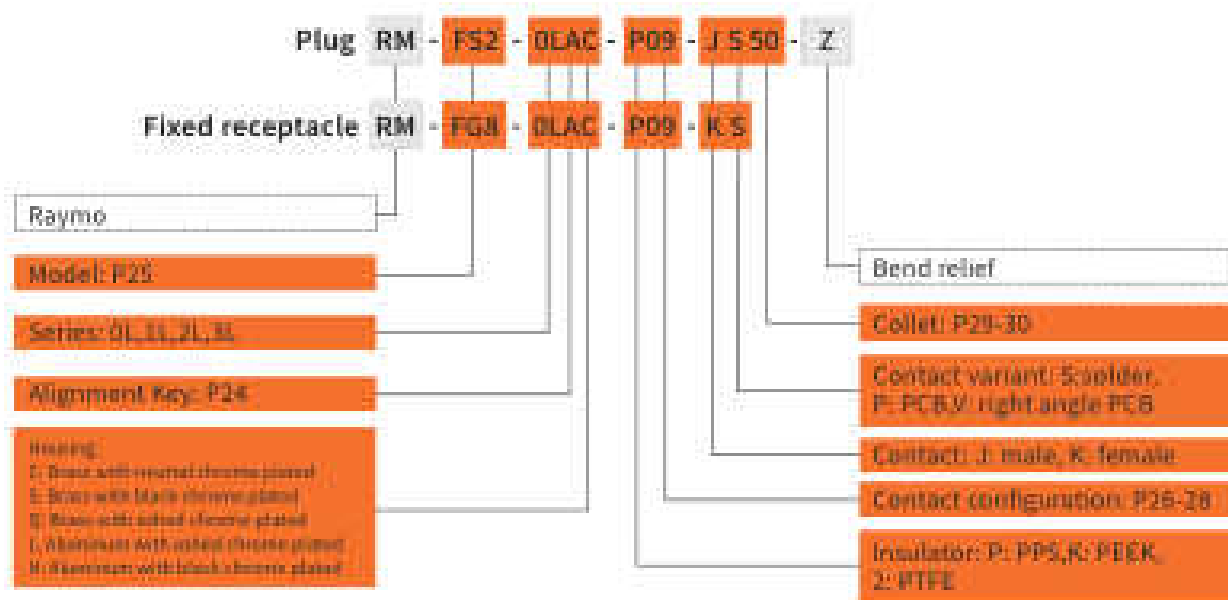


FG8



FGX

Part Numbering System



RM-L

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 in natural 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, multipole 8pin, outer shell in natural chrome-plated brass, PPS insulator, female solder contacts, IP68.

Part Section Showing Internal Components

Cable Mount Plug

- Conical sleeve
- Male contact
- Insulator
- Latch sleeve
- Outer shell
- Split insert carrier A/B
- Snap Spring
- Earthing ring
- Cable collet
- Collet nut



Fixed Receptacle

- Outer shell
- Hexagonal nut
- Outer o-ring
- Inner o-ring
- Retaining ring
- Insulator
- Female contact



Technical Characteristics

Mechanical and Climatical

Characteristics	Value	Standard
Endurance	>5000cycles	IEC60512-5test9a
Humidity	Up to 95% at 60°C	
Temperatures 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



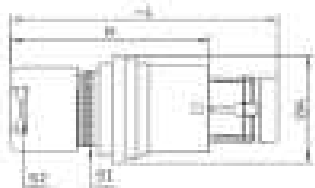
Code	Key/H No.	Angle	Series			Contact Type	
			0L	1L	2L	Plug	Receptacle
D	1	0	0°	0°	0°	Male	Female
A	2		30°	30°	30°	Male	Female
B	2		-	-	37.5°	Male	Female
C	2		-	-	45°	Male	Female
F	2		60°	60°	60°	Male	Female
H	2		-	-	75°	Male	Female
J	2		90°	90°	-	Male	Female
C	2	45	45°	45°	-	Male	Female
M	2		-	-	100°	Male	Female
T	2		-	-	125°	Male	Female
V	2	135	-	135°	-	Male	Female
Q	2		-	120°	120°	-	-
W	2		-	-	145°	-	-
Y	2	155	155°	155°	-	-	-



RM-FS2 Cable mount plug

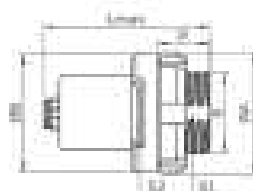
Reference		Dimensions (mm)					
Model	Series	A	L	M	S1	S2	
RM-FS2	0L	9.4	40	30	8	8	
RM-FS2	1L	12	49	38	10	10	
RM-FS2	2L	15	53	40	16	15	

RM-L



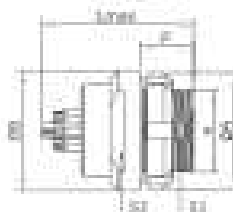
RM-FSX Straight plug, self-latching, IP68

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	M19*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 Fixed receptacle, self-latching, IP68

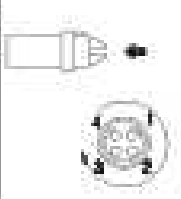
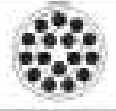
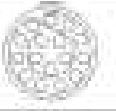
Reference		Dimensions (mm)							
Model	Series	A	B	e	L	P	S1	S2	
RM-FGX	XL	14	14.5	M19*0.8	18.5	6.0	9.3	11	

Insulator Configuration

	solder male contact	solder female contact	insulator	Contact No.	pitch (mm)	Contact type			Test voltage/contact shell (0 V/5 AC mm)	Test voltage/contact contact (0 V/5 AC mm)	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	8	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		Insulator	Contact No.	ØA (MM)	Contact type			Test voltage (contact shell) V AC rms	Test voltage (contact) V 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

RM-L

Insulator Configuration

	solder male contact	solder female contact	Insulator	Contact No.	ØA (MM)	Contact type			Test voltage/contact -sheld kV AC rms	Test voltage/contact -contact kV AC rms	Rated current /A
						Solder contact	PCB straight contact	PCB elbow contact			
ZL			P02	2	2.0	●	●	●	2.10	1.75	30.0
			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
			P08	8	0.9	●	●	●	1.50	1.25	10.0
			P10	10	0.9	●	●	●	1.45	1.30	8.0
			P12	12	0.7	●	●	●	1.25	1.35	7.0
			P14	14	0.7	●	●	●	1.15	1.35	5.5
			P16	16	0.7	●	●	●	0.95	1.25	6.0
			P18	18	0.7	●	●	●	0.85	1.20	5.5
			P19	19	0.7	●	●	●	0.95	1.25	5.0
			P20	20	0.5	●	●	●	0.95	1.30	2.0

- First choice alternative
○ Special order alternative

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

RM-0F-S



Shielded 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-0F-S-021	3.6 - 4.1	4.1	RM-0F-S-041
2.1 - 2.6	2.6	RM-0F-S-026	4.1 - 4.3	4.3	RM-0F-S-043
2.6 - 3.1	3.1	RM-0F-S-031	4.3 - 4.7	4.7	RM-0F-S-047
3.1 - 3.6	3.6	RM-0F-S-036			

RM-0F-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-0F-E-021	3.6 - 4.1	4.1	RM-0F-E-041
2.1 - 2.6	2.6	RM-0F-E-026	4.1 - 4.3	4.3	RM-0F-E-043
2.6 - 3.1	3.1	RM-0F-E-031	4.3 - 4.7	4.7	RM-0F-E-047
3.1 - 3.6	3.6	RM-0F-E-036	4.7 - 5.0	5.0	RM-0F-E-050

RM-1F-S



Shielded 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

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



RM-AF-S

Shielded 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



RM-AF-E

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			



RM-2F-S

Shielded 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			



RM-2F-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
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 insulation 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 alignment 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

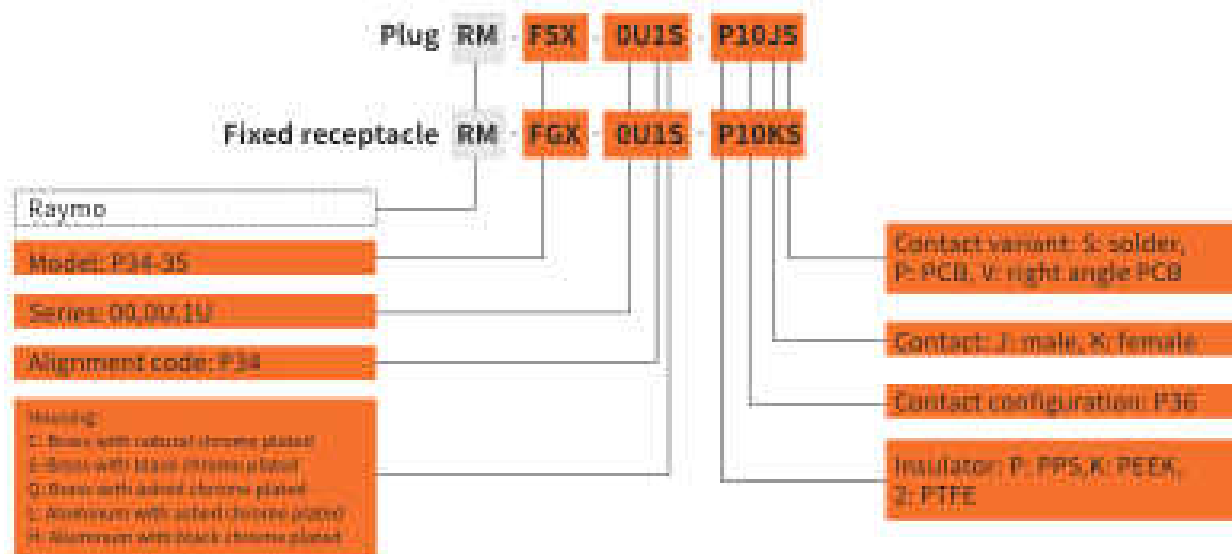


FGX



PGX

Part Numbering System



RM-U

Part No.Example

Straight plug with cable collet

RM-F5X-0U1S-P10J5= straight plug, 0U series, code L, multipole 10 contacts, outer shell in black chrome-plated brass, PPS insulator, male solder contacts, IP68.

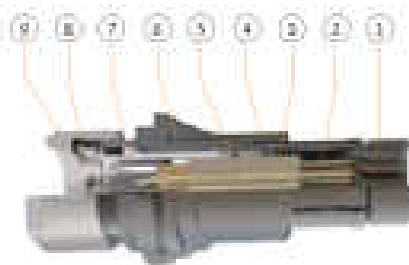
Fixed receptacle

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

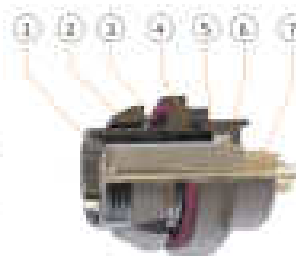
Cable Mount Plug

- 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

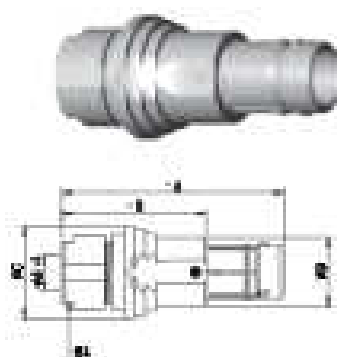
Characteristics	Value	Standard
Shielding efficiency	at 10 MHz	>65 dB
	at 1 GHz	>45 dB

Alignment key

00U	Code	1
	Guide mark	*
	Plug front view	

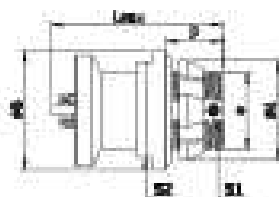
0U	Code	1	2	3	4	5
	Guide mark	*	*	*	*	*
	Plug front view					

1U	Code	1	2	3	4
	Guide mark	*	*	*	*
	Plug front view				



RM-FSX straight plug

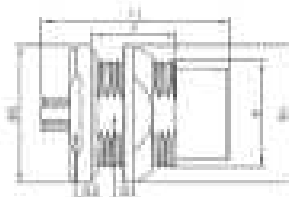
Reference		Dimensions (mm)					
Model	Series	A	B	C	D	E	SI
RM-FSX	00U	26.4	18.4	10.4	7.4	3.5	/
RM-FSX	0U	28.7	18.7	12	9	4.5	8
RM-FSX	1U	37.7	26.6	15	11	7	12



RM-FG3 Sealed Panel Mount Receptacle
with ground tag

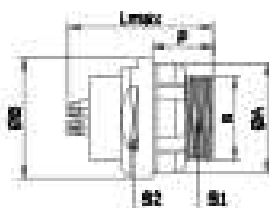
Reference		Dimensions(mm)						
Model	Series	A	B	e	L	P	S1	S2
RM-FG3	0U	13	14	M9*0.5	20	6.5	11	8

RM-U



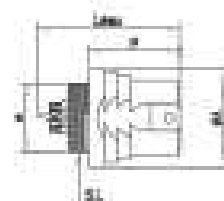
RM-FGK Sealed Panel Mount Receptacle,
Straight PCB contacts

Reference		Dimensions(mm)						
Model	Series	A	B	e	L	P	S1	S2
RM-FGK	1U	18	18	M14*1.5	24.5	11	12	15



RM-FGX Sealed Panel Mount Receptacle

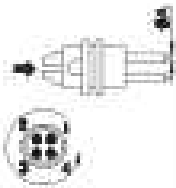
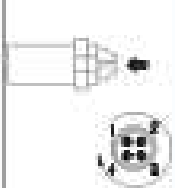
Reference		Dimensions(mm)						
Model	Series	A	B	e	L	P	S1	S2
RM-FGX	02U	10	10.9	M7*0.5	14.5	5	6.25	/
RM-FGX	0U	12	12	M9*0.5	15.7	6.5	7.9	11
RM-FGX	1U	16	16	M12*1.0	21	6.5	10	14



RM-PGX Sealed panel mount receptacle

Reference		Dimensions(mm)				
Model	Series	A	e	L	P	S1
RM-PGX	02U	10.4	M7*0.5	16.4	11.5	6.25
RM-PGX	0U	12.0	M9*0.5	17.3	11.0	8.2

Insulator Configuration

			Code	Contact No.	Ø (mm)	Solder contact	PCB straight contact	PCB elbow contact	Test voltage/contact shell 50 V AC rms	Test voltage/contact contact 50 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	0.8	●	●	●	1.70	1.30	9.2
			P03	3	0.8	●	●	●	1.80	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
			P11	11	0.4	●	●	●	0.40	0.40	1.5
1U			P05	5	0.8	●	●	●	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 pull self-locking system/Easy-clean break away
- 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 systems 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 Push pull series

Plugs



FSX



FSE

Receptacles

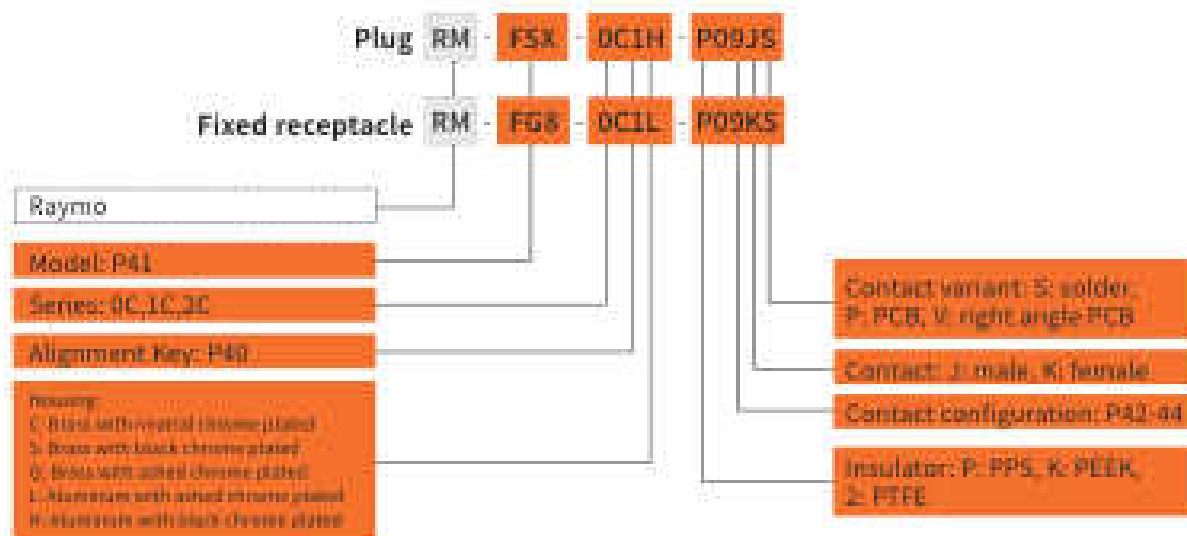


FGK



FG8

Part Numbering System



RM-C

Part No.Example

Straight plug with cable collet

RM-FSX-DC1C-P09JS= straight plug, 0C series, key 1, multipole 9 contacts, outer shell in natural chrome-plated brass, PPS insulator, male solder contacts, IP68.

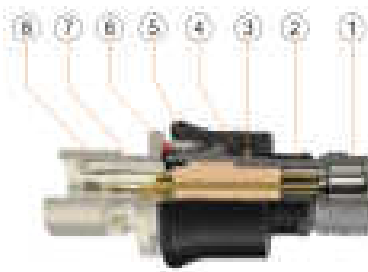
Fixed receptacle

RM-FG8-DC1C-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

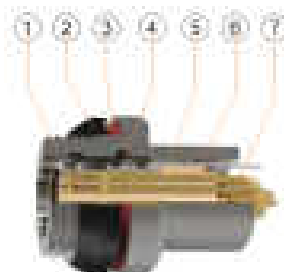
Cable Mount Plug

- ① Inner shell
- ② Male contact
- ③ Insulator
- ④ Latch sleeve
- ⑤ Outer shell
- ⑥ O-ring
- ⑦ Collar 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

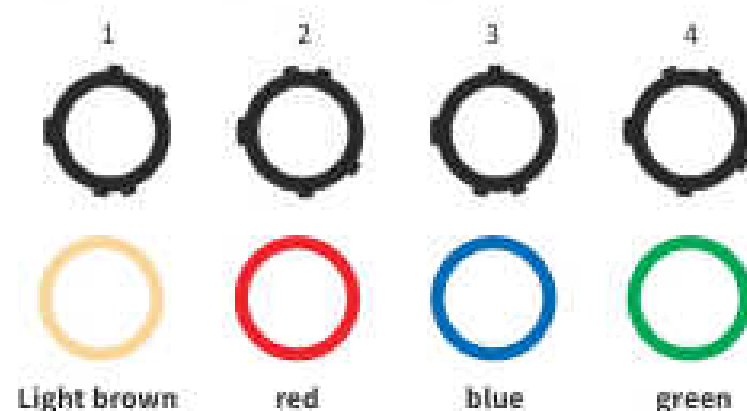
Characteristics	Value	Standard
Endurance	>5000cycles	IEC60512-5test9a
Humidity	Up to 95% at 60°C	
Temperature range	-55°C, +150°C	
Resistance to vibration	10-2000Hz, 15g	IEC 60512-4 test 6d
Shock resistance	100g, 6ms	IEC 60512-4 test 6c
Salt spray corrosion test	>96h	IEC 60512-6 test 11f
Protection index (mated)	IP68	IEC 60529
Climatical category	55/175/21	IEC 60068-1

Electrical

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

Alignment Key

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

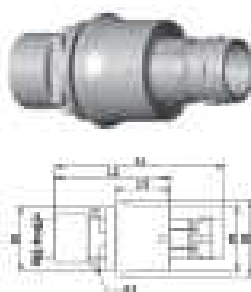


Light brown

red

blue

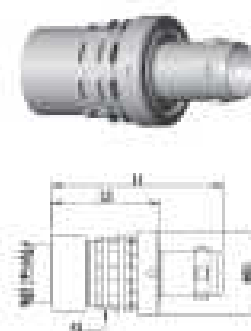
green



RM-FSX Cable mount plug

Reference		Dimensions(mm)								
Model	Series	L1	L2	L3	D1	D2	D3	S1	S2	
RM-FSX	0C	31.4	21.4	18.4	11.9	14	12	6.5	5.0	
RM-FSX	1C	33.2	21.4	11.4	13.9	15.9	13.9	8	6.5	
RM-FSX	AC	32.7	22.7	11.7	14.5	16.5	14.5	10	8.0	
RM-FSX	2C	35.2	23.2	12.2	17.6	19.6	17.6	12	10.0	

RM-C



RM-FSE Cable mount plug

Reference		Dimensions(mm)				
Model	Series	L1	L2	D1	S1	
RM-FSE	0C	23.9	14.9	11.9	10	5.0
RM-FSE	1C	29.3	18.5	13.9	11	6.5
RM-FSE	AC	25.8	18.5	15.9	12	8.0
RM-FSE	2C	31.0	19.0	17.6	14	10.0



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

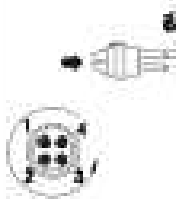
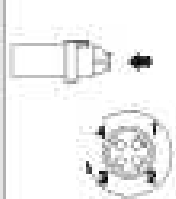
Reference		Dimensions(mm)								
Model	Series	L1	L2	L3	X	D1	D2	M	S1	
RM-FGK	0C	13.0	7.5	2.5	5	15.5	15.0	M11*0.75	10.1	
RM-FGK	1C	15.5	8.5	3.0	4	18.5	17.5	M14*1.0	13.1	
RM-FGK	AC	14.2	8.5	3.0	4	18.9	17.9	M14*1.0	13.1	
RM-FGK	2C	17.5	9.5	3.0	4	20.8	21.9	M16*1.0	15.1	



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	20.4	21.9	15.0	M16*1.0	15.1

Insulator Configuration

		solder male contact	solder female contact	Insulator	Contact No.	Q.A.(mm)	Contact type			Test voltage/contact shell 0 kV AC rms	Test voltage/contact contact 0 kV AC rms	Rated current /A
							Solder contact	PCB straight contact	PCB right angle contact			
DC			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	●	●	●	0.65	0.65	2.5	
			P07	7	0.5	●	●	●	0.60	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

	solder male contact	solder female contact	Insulation	Contact No.	Ø (mm)	Contact type			Test voltage/contact ohm kV/AC rms	Test voltage/contact contact kV/AC rms	Rated current /A
						Solder contact	PCB straight contact	PCB sbnw contact			
1C			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
2C			P02	2	2.0	●	●	●	2.10	1.75	30.0
			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

RM-C

Insulator Configuration

	solder male contact	solder female contact	Insulator	Contact No.	ØA (mm)	Contact type			Test voltage/contact chord) kV AC rms	Test voltage/contact chord) V AC rms	Rated current A
						Solder contact	PCB straight contact	PCB ribbon contact			
2C			P08	8	0.9	●	●	●	1.50	1.25	10.0
			P10	10	0.9	●	●	●	1.45	1.30	8.0
			P12	12	0.7	●	●	●	1.25	1.35	7.0
			P14	14	0.7	●	●	●	1.15	1.35	6.5
			P16	16	0.7	●	●	●	0.95	1.25	6.0
			P18	18	0.7	●	●	●	0.85	1.20	5.5
			P19	19	0.7	●	●	●	0.95	1.25	5.0
			P26	26	0.5	●	●	●	0.95	1.30	2.0

- First choice alternative
 ○ Special order alternative

RM-C

RM-C Easy clean series

Plugs



FA1



FAK

Receptacles



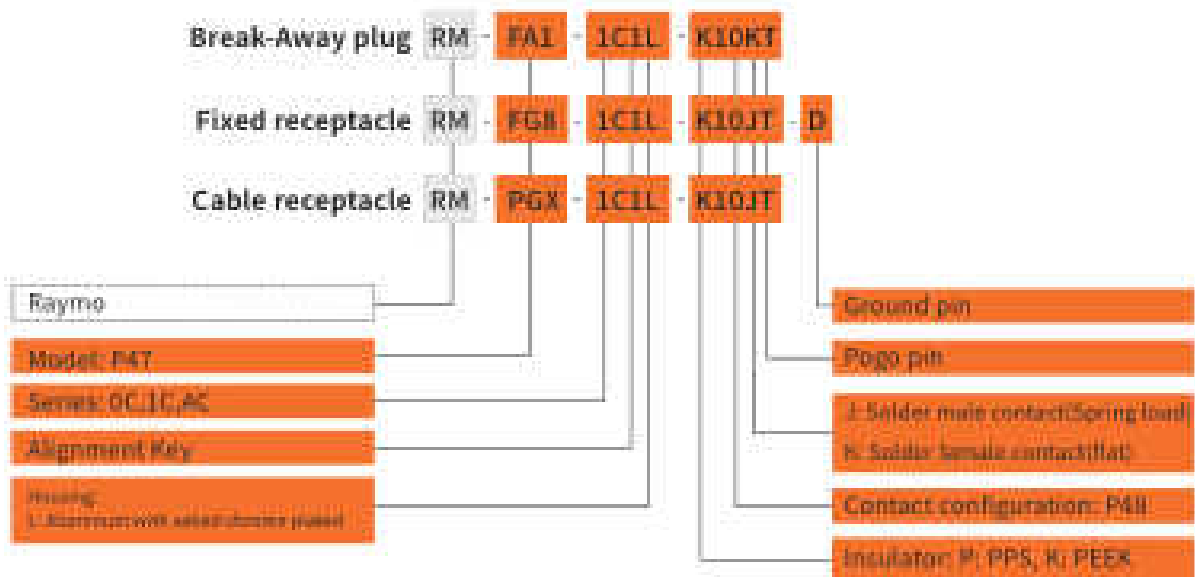
FG8



PGX

RM-C

Part Numbering System



Part No. Example

Straight plug with cable collet

RM-FA1-1C1L-K10KT= Break-Away plug, 1C series, key 1, 10 pins, aluminum with ashed chrome plated, PEEK insulator, solder female contact.

Fixed receptacle

RM-FG8-1C1L-K10JT-D= Fixed receptacle, 1C series, key 1, 10 pins, aluminum with ashed chrome plated, PEEK insulator, solder male contact, with ground pin.

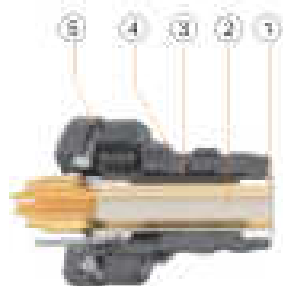
Free cable mount receptacle

RM-PGX-1C1L-K10JT= Cable receptacle, 1C series, key 1, 10 pins, aluminum with ashed chrome plated, PEEK insulator, solder female contact.

Part Section Showing Internal Components

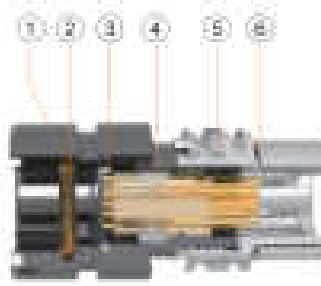
Cable Mount Plug

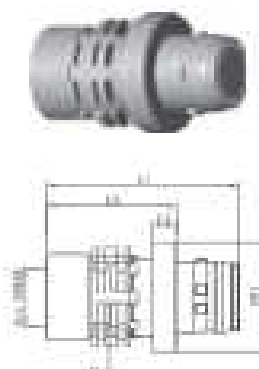
- ① Male contact
- ② Insulator
- ③ Latch sleeve
- ④ Outer shell
- ⑤ O-ring



Fixed Receptacle

- ① Outer shell
- ② Female contact
- ③ Outer o-ring
- ④ Insulator
- ⑤ Collet nut
- ⑥ EMI ring





RM-FA1 Break-Away cable plug

Reference		Dimensions(mm)					
Model	Series	L1	L2	L3	D1	S1	max Ø
RM-FA1	0C	23.5	3	15	11.9	9	5.5
RM-FA1	1C	26.6	3.5	16.4	13.9	11	6.3
RM-FA1	AC	27.5	3.5	18.5	15.9	12	8.0

RM-C



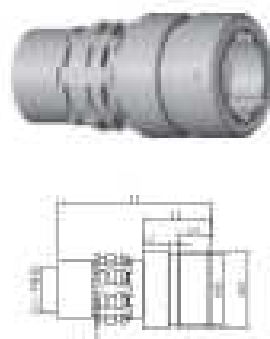
RM-FAK Break-Away fixed plug

Reference		Dimensions(mm)					
Model	Series	L1	L2	L3	D1	S1	M
RM-FAK	0C	15	6.4	2.5	13.2	9.2	M10*0.5
RM-FAK	1C	15	8.0	2.5	15.0	10	M11*0.75
RM-FAK	AC	16.5	9.7	4.0	17.9	13	M14*0.75



RM-FG8 Fixed receptacle

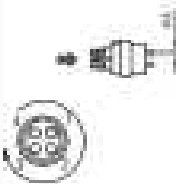
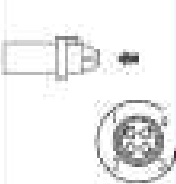
Reference		Dimensions(mm)									
Model	Series	L1	L2	L3	L4	Kmax	D1	D2	D3	S1	M
RM-FG8	0C	6.5	16.3	3	11.5	3.0	15.5	15.0	10	10	M11*0.75
RM-FG8	1C	8.0	14.9	4	10.5	3.5	18.5	17.9	12	13	M14*1.0
RM-FG8	AC	7.0	17.7	2.5	12.5	3.0	18.9	17.9	14	13	M14*0.75



RM-PGX Free cable mount receptacle

Reference		Dimensions(mm)							
Model	Series	L1	L2	L3	L4	D1	D2	S1	Max Ø
RM-PGX	0C	25	13	1.5	5.8	11.9	10.5	9	5.6
RM-PGX	1C	27	12.1	1.5	9.8	13.9	12.5	11	6.5
RM-PGX	AC	27	12	1.5	5.8	15.9	14.5	12	8

Insulator Configuration

	solder/male contact	solder/female contact	Insulator	Contact No.	Pitch (mm)	Contact type			Test voltage/contact altitude 1000m AS-1000	Test voltage/contact altitude 1000m AS-1000	Rated current /A
						Solder contact	PCB straight contact	PCB elbow contact			
DC			K04	4	0.6	●	●	○	0.6	0.6	2.0
			K07	7	0.6	●	●	○	0.6	0.6	2.0
1C			K10	10	0.6	●	●	○	0.6	0.6	2.0
			K16	16	0.6	●	●	○	0.6	0.6	2.0
AC			K19	19	0.6	●	●	○	0.6	0.6	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



FSX



FC1

Receptacles



FGK



PGX

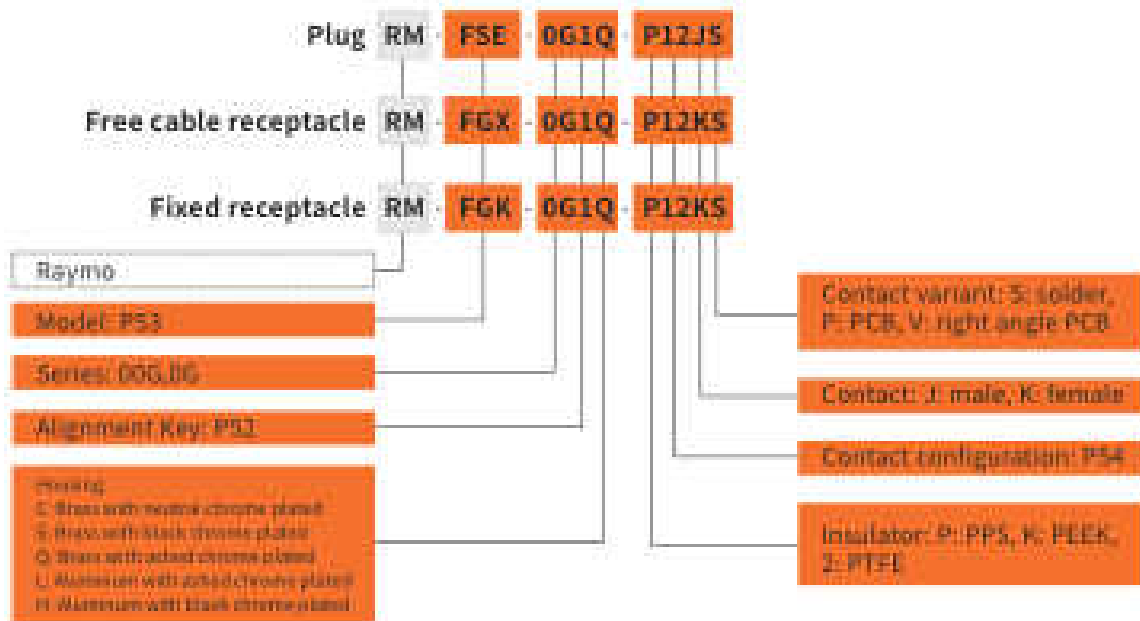


FGC



FG8

Part Numbering System



RM-G

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-FGX-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.

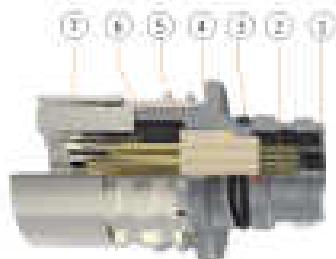
Fixed receptacle

RM-FGK-0G1Q-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

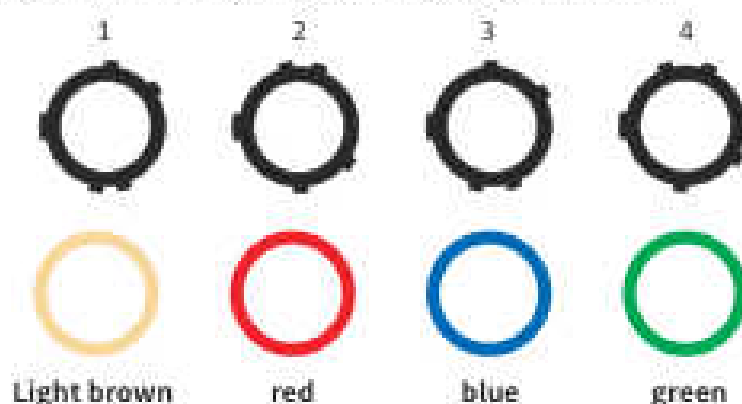
RM-G

Electrical

Characteristics		Value	Standard
Shielding efficiency	at 10 MHz	>65 dB	IEC 60618-1-3
	at 1 GHz	>45 dB	IEC 60618-1-3

Alignment Key

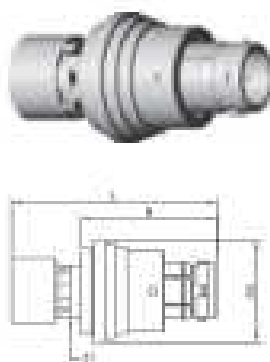
Key 1 is standard, if you need other keys, please indicated





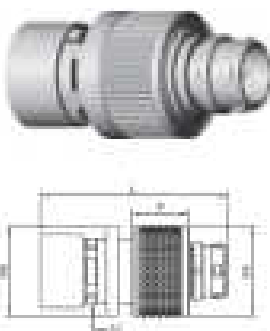
RM-FSE straight plug

Reference		Dimensions(mm)					
Model	Series	A	B	P	L	S1	
RM-FSE	00G	9.8	8.0	7.3	20.0	8.0	
RM-FSE	DG	12.8	10.5	7.3	20.4	10.0	



RM-FSX straight plug

Reference		Dimensions(mm)				
Model	Series	A	M	L	S1	
RM-FSX	00G	14	18.7	28.2	7	



RM-FC1 straight plug

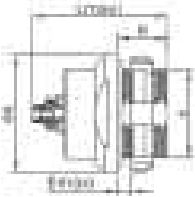
Reference		Dimensions(mm)					
Model	Series	A	B	P	L	S2	
RM-FC1	00G	12.8	12.8	8.1	26.8	9	



RM-FGC Sealed Back Panel Mount Receptacle with ground tag

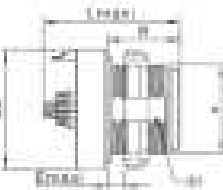
Reference		Dimensions(mm)					
Model	Series	A	N	e	E	L	S1
RM-FGC	00G	13.2	8.2	M10*0.5	4	15.1	9.0

RM-G



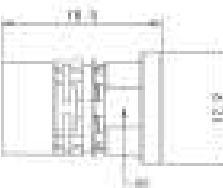
RM-FGK Sealed Back Panel Mount Receptacle
with ground tag

Reference		Dimensions(mm)					
Model	Series	A	N	e	E	L	S1
RM-FGK	00	13.2	5.5	M10*0.5	2.5	15.1	9.0



RM-FGK Sealed Back Panel Mount Receptacle
with ground tag

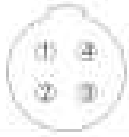
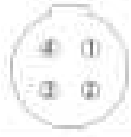
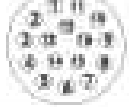
Reference		Dimensions(mm)					
Model	Series	A	N	e	E	L	S1
RM-FGK	00G	9.9	8.0	M7*0.5	4.0	15.6	6.5
RM-FGK	00	13.2	8.0	M10*0.5	3.5	15.1	9.0



RM-PGX free cable receptacle

Reference		Dimensions(mm)		
Model	Series	A	N	S1
RM-PGX	00	12.9	18.5	9.0

Insulator Configuration

	solder male contact 	solder female contact 	Cable	Contact No.	Size (mm)	Solder contact	PCB straight contact	PCB elbow contact	Test voltage/contact chell 1kV AC rms	Test voltage/contact contact 1kV AC rms	Rated current /A
00G			P04	1	2	●	●	○	0.75	0.75	3.0
				1	2	●	●	○	0.75	0.75	1.0
			P07	7	0.3	●	●	○	0.75	0.75	1.0
0G			P09	6	0.7	●	●	○	0.75	0.75	5.0
				3	0.3	●	●	○	0.75	0.75	1.0
			P12	2	0.7	●	●	○	0.75	0.75	5.0
				10	0.3	●	●	○	0.75	0.75	1.0
			P16	16	0.3	●	●	○	0.75	0.75	1.0

- First choice alternative
- Special order alternative

RM-G

专业军用级连接解决方案



船载设备应用



RM-A Series

Miniature High-speed Data Transmission Connector

- Push pull self-latching system
- Excellent waterproof performance IP68(26m/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

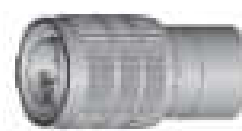
Plugs



PSX



PSA



PSM

Receptacles



FGK



FGA



FGM



ECG



ECA



ECM



PHX

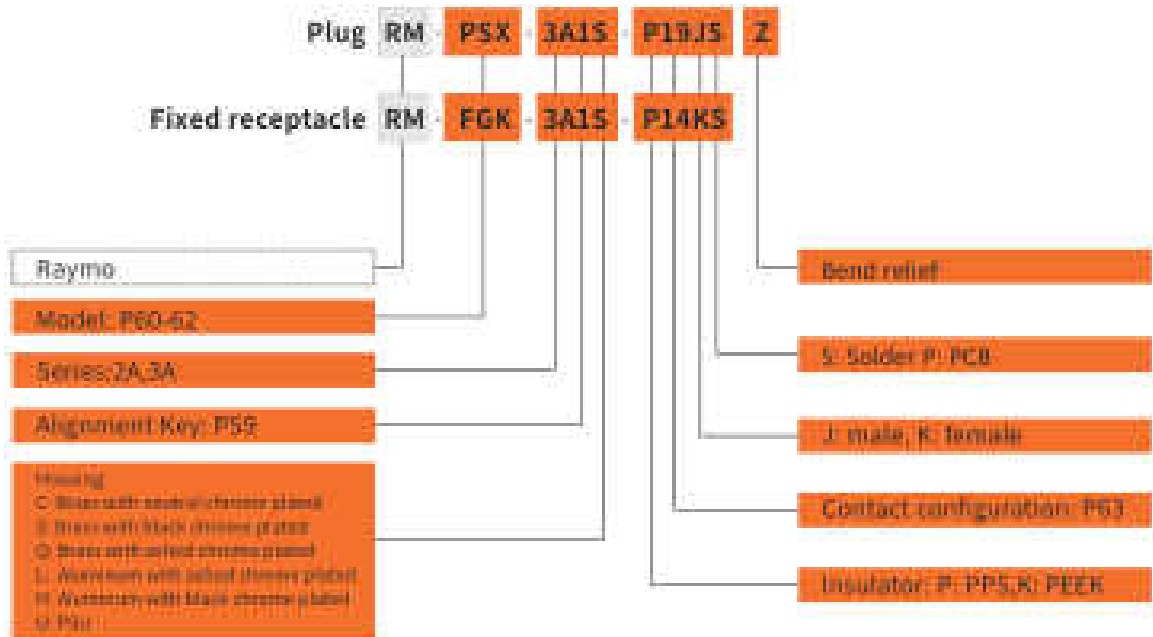


PHA



PHM

Part Numbering System



RM-A

Part No.Example

Straight plug

RM-PSX-3A1S-P19J5Z= 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.

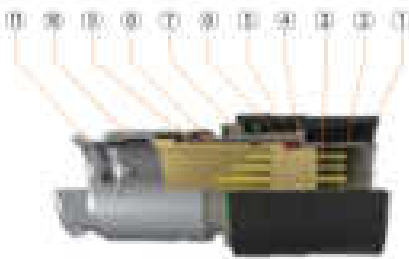
Free receptacle

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

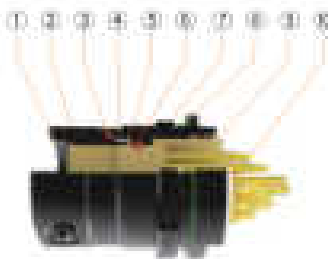
Straight Plug

- 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 Insulator ball
- ③ O-ring
- ④ Retainer ring
- ⑤ Insulator
- ⑥ O-ring
- ⑦ Hexagonal nut
- ⑧ O-ring
- ⑨ Insulator carrier
- ⑩ Female contact



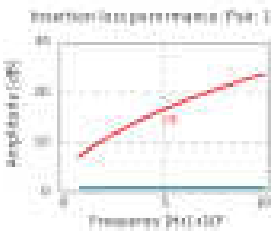
High-speed data transfer

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

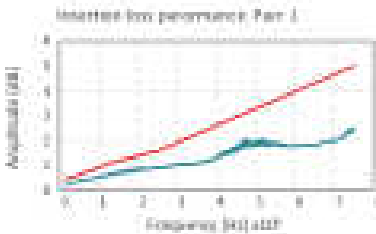


USB 3.0 9-PIN



Optimised 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	06-4 pin	06-08 pin	06-18 pin	06-24 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 Gbps		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

RM-A

Technical information

Environmental & Mechanical data

Characteristic	Performance	Standard
Sealing performance mated and unmated	IP68, 20m/24h water sealing ~50° mbar, 1/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-MB
Corrosion resistance mated	96h	IEC 60068-2-11 Test Na; MIL-STD-202 Method 101; EN 364-26
Endurance	5000 mating cycles. Preserved mechanical and electrical functionality. Normal wear will appear.	IEC 60512-6-1
Vibration (Screw locking version only)	10 to 2000Hz, 1.5 mm or 15 g, 12 sweep cycles per axis, 20 minutes per 10-2000-10 Hz sweep cycle, no discontinuity >1 s	MIL-STD-201 G Method 1049 Cond.1
Unlocking Force (Quick release version only)	Size 06 ± Typical 25 N±40% Size 08 ± Typical 35 N±40%	
Shock	300g	MIL-STD-202 G Method 213

Electrical data

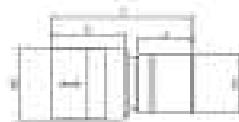
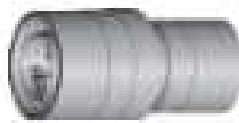
Characteristic	Performance	Standard
Contact resistance	5mΩ (typical value)	IEC 60512-3-1-3a, IEC 60512-3-2-3b
Shell resistance	Anthracite	<5mΩ (Cabled)
	Black	<50mΩ (Cabled) IEC
Insulation resistance	10 ¹⁰ Ω	IEC 60512-3-1-3a
Shielding effectiveness	360° shielded	-

Mechanical keys(A Series)

Size	1	2	3	4
Receptacles				

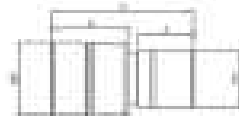
Size	1	2	3	4
Receptacles				

RM-A



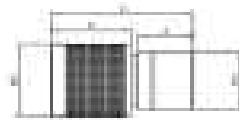
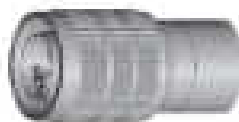
RM-PSX Push pull locking cable mount plug, IP68,
multiples keys

Reference		Dimensions(mm)				
Model	Series	Ød	ØD	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



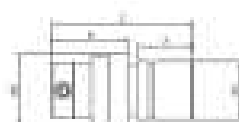
RM-PSA Quick release cable mount plug, IP68,
multiples keys

Reference		Dimensions(mm)				
Model	Series	Ød	ØD	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



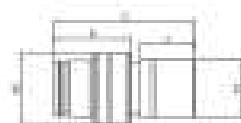
RM-PSM Screw locking cable mount plug, IP68,
multiples keys

Reference		Dimensions(mm)				
Model	Series	Ød	ØD	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



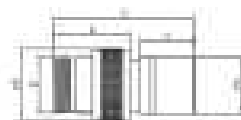
RM-PHX Push pull locking cable receptacle, IP68,
multiples keys

Reference		Dimensions(mm)				
Model	Series	Ød	ØD	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

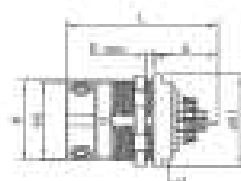
Reference		Dimensions(mm)				
Model	Series	Ød	ØD	A	B	C
RM-PHA	2A	8.5	9.9	10.1	13.7	25
RM-PHA	3A	10.5	12.9	10.1	13.7	25



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

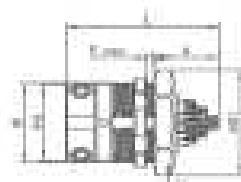
Reference		Dimensions(mm)						
Model	Series	Ød	ØD	A	B	C	M	
RM-PHM	2A	8.5	9.9	10.1	13.7	25	M8*2	
RM-PHM	3A	10.5	12.9	10.1	13.7	25	M10*2	

RM-A



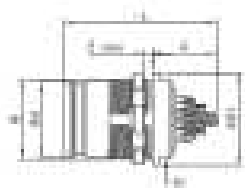
RM-FGK Push pull locking, panel mount receptacle, IP68, back panel mounting

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	



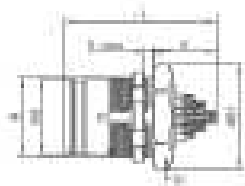
RM-ECG Screw locking, panel mount receptacle, IP68, back panel mounting

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



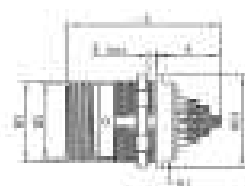
RM-FGA Push pull locking, panel mount receptacle, IP68, back panel mounting

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	



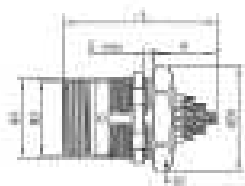
RM-ECA screw locking, panel mount receptacle, IP68, front or back panel mounting

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

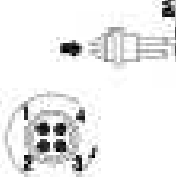
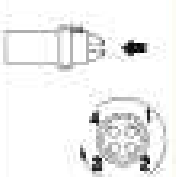
Reference		Dimensions(mm)							
Model	Series	ØD1	M1	M2	A	L	E max	S1	
RM-FGM	2A	10	M8.5*0.35	M8*2	7.6	19.1	3.0	8	
RM-FGM	3A	12	M10.5*0.5	M10*2	9.1	20.6	3.0	10	



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	2.3	10	
RM-ECM	3A	13.7	M10.5*0.5	M10*2	9.1	20.6	2.3	12	

Insulator Configuration

			Insulator	Contact No.	Pin (mm)	Solder contact	PCB straight contact	PCB elbow contact	Test voltage/contact shield 10V AC rms	Test voltage/contact contact 10V AC rms	Rated current A
2A			P04	2	0.5	●	●	○	1.20	1.90	1.0
				2	1.3						10
			P12	10	0.5	●	●	○	0.90	1.10	1.0
				2	0.5						5.0
3A			P08	8	0.5	●	●	○	1.60	2.20	3.8
					0.5						
			P09	7	0.5	●	●	○	1.20	1.80	1.0
				2	0.5						5.0
			P19	15	0.5	●	●	○	0.90	1.50	1.0
				4	0.5						5.0
			P24	20	0.5	●	●	○	0.90	1.10	1.0
				4	0.5						5.0

- First choice alternative
- Special order alternative

RM-A



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 +125°C
- Available solder, PCB and right angle PCB contact



RM-B Series

Plugs



FGG



FEG



FFG



FNG



FHG



FPG



FSG



FAG

Receptacles



EGG



ECG



ECG



EEG



EFG



EHG



ENG



EXG



EPG



HGG



HHG



HEG



PFG

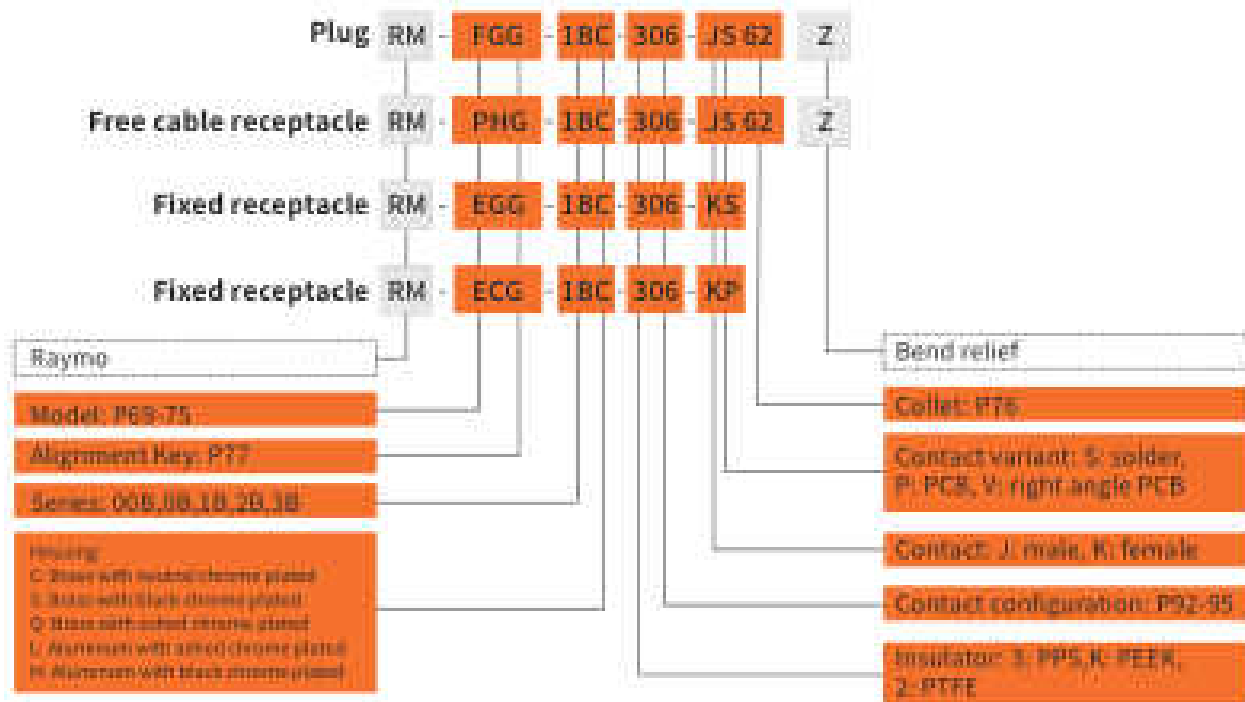


PHG



RGG

Part Numbering System



RM-B

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

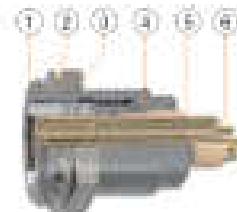
Cable Mount Plug

- 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

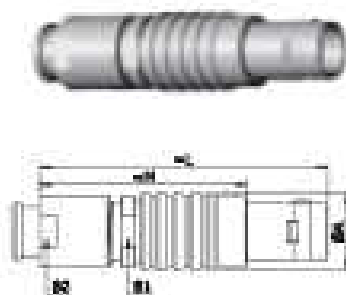
Mechanical and Climatcal

Characteristics	Value	Standard
Endurance	>5000cycles	IEC60512-5test9a
Humidity	Up to 95% at 60°C	
Temperature range	-55°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	>96hrs	IEC 60512-6 test 11f
Protection index (mated)	IP50	IEC 60529
Climatcal category	55/175/21	IEC 60068-1

Electrical

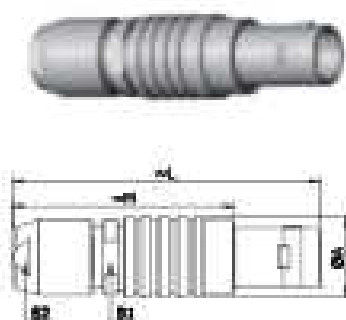
Characteristics		Value	Standard
Shielding efficiency	at 10 MHz	>75 dB	IEC 60619-1-3
	at 1 GHz	>40 dB	IEC 60619-1-3

RM-B



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

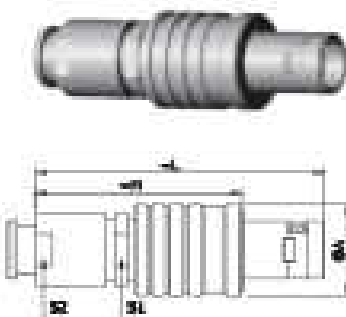
Reference		Dimensions(mm)				
Model	Series	A	L	M	S1	S2
RM-FGG	00B	6.4	28.5	20	5.5	6.0
RM-FGG	0B	9.5	35.0	25.0	8.0	8.0
RM-FGG	1B	12.0	42.0	31.0	10.0	9.0
RM-FGG	2B	15.0	49.0	37.0	13.0	12.0
RM-FGG	3B	17.0	54.5	43.5	15.0	15.0



RM-FGG Cable Mount Straight Plug

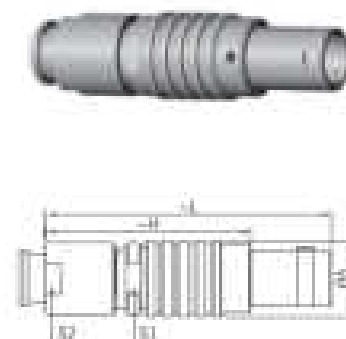
Reference		Dimensions(mm)				
Model	Series	A	L	M	S1	S2
RM-FGG	00B	6.4	28.5	20.5	5.5	5.0
RM-FGG	0B	9.5	36.0	26.0	8.0	7.0
RM-FGG	1B	12.0	43.0	32.0	10.0	9.0
RM-FGG	2B	15.0	50.0	38.0	13.0	12.0
RM-FGG	3B	17.0	58.0	43.0	15.0	14.0

RM-B



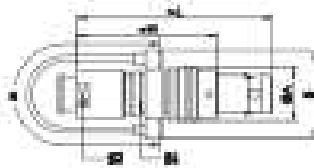
RM-FEG Cable Mount Straight Plug, front sealed,
nut for fitting a bend relief

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



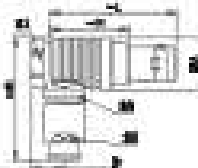
RM-FFG Straight plug, non-latching

Reference		Dimensions(mm)				
Model	Series	A	L	M	S1	S2
RM-FFG	00B	6.4	26.5	20.5	5.5	5.0
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



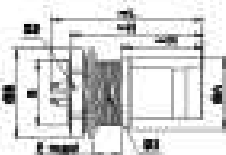
RM-FNG Straight plug, with Lanyard

Reference		Dimensions (mm)						
Model	Series	A	B	L	M	N	S1	S2
RM-FNG	00	9.5	15.95	14.62	24.3	140	8.0	8.0
RM-FNG	10	12.0	18.0	43.0	32.0	140	10.0	9.0
RM-FNG	20	15.0	21.0	49.0	37.0	160	13.0	12.0
RM-FNG	30	18.0	25.0	58.0	43.0	190	15.0	14.0



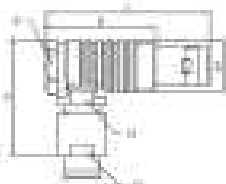
RM-FHG Cable Mounted Elbow Plug, 90°

Reference		Dimensions(mm)							
Model	Series	A	D	H	L	M	S1	S2	S3
RM-FHG	00	11.0	6.5	26.0	31.6	21.6	10.0	8.0	8.0
RM-FHG	10	13.5	8.0	30.5	36.0	25.0	11.0	9.0	10.0
RM-FHG	20	16.5	9.0	40.0	37.7	25.6	14.0	12.0	13.0
RM-FHG	30	19.0	10.0	37.0	50.0	35.0	17.0	14.0	15.0



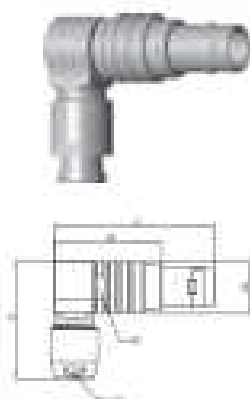
RM-FAG Panel Mount Fixed Plug, non-latching

Reference		Dimensions (mm)								
Model	Series	A	B	e	E	L	M	N	S1	S3
RM-FAG	000	8.0	10.2	M7*0.5	2.9	18.1	9.0	15.0	6.3	9.0
RM-FAG	00	10.0	12.4	M9*0.6	4.2	20.0	11.5	18.0	8.2	11.0
RM-FAG	10	14.0	15.8	M12*1.0	5.4	25.2	12.5	21.6	10.5	14.0
RM-FAG	20	18.0	19.2	M15*1.0	6.0	28.7	13.0	23.9	13.5	17.0
RM-FAG	30	22.0	25.0	M18*1.0	5.8	32.1	17.0	30.2	16.5	22.0



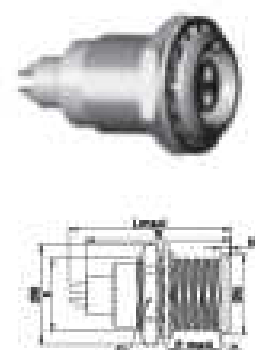
RM-FPG Cable Mounted Elbow Plug, 90°

Reference		Dimensions (mm)						
Model	Series	A	H	L	M	S1	S2	S3
RM-FPG	000	8.5	18.0	24.5	16.5	7.5	6	6
RM-FPG	00	9.5	23.0	30.0	30.0	9.0	8	8
RM-FPG	10	12.0	29.0	36.0	36.0	11.0	9	10
RM-FPG	20	15.0	35.0	41.5	41.5	13.5	12	13



RM-FSG 90° elbow plug, key(G) or key(A...M and R), bend relief.

Reference		Dimensions(mm)					
Model	Series	A	H	L	M	S1	S2
RM-FSG	008	8.0	18.1	24.8	16.4	5.0	7.0
RM-FSG	08	10.0	22.4	30.1	20.3	7.0	9.0
RM-FSG	18	12.0	26.4	36.5	25.5	9.0	11.0
RM-FSG	28	16.5	34.5	44.0	32.0	12.0	15.0



RM-EGG Panel Mount Fixed Receptacle

Reference		Dimensions(mm)								
Model	Series	A	B	e	E	L	M	N	S1	S2
RM-EGG	008	8.0	10.2	M7*0.5	6.0	15.5	1.0	13.7	6.3	9.0
RM-EGG	08	10.0	12.4	M9*0.6	7.0	20.7	1.2	19.1	8.2	11.0
RM-EGG	18	14.0	15.8	M12*1.0	7.5	23.0	1.5	21.1	10.5	14.0
RM-EGG	28	18.0	19.2	M15*1.0	8.5	26.7	1.8	24.0	13.5	17.0
RM-EGG	38	21.8	25.0	M18*1.0	11.5	31.1	2.0	28.6	16.5	22.0

RM-B



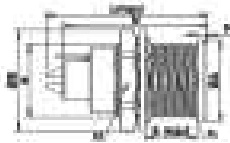
RM-ECG Panel Mount Receptacle with two screw nuts

Reference		Dimensions(mm)								
Model	Series	A	B	e	E	L	M	N	S1	S2
RM-ECG	008	10.0	10.1	M7*0.5	4.3	13.7	2.5	13.7	6.3	9.0
RM-ECG	08	12.0	12.4	M9*0.6	5.5	20.7	2.5	16.4	8.2	11.0
RM-ECG	18	16.0	15.8	M12*1.0	6.0	23.0	3.5	19.8	10.5	14.0
RM-ECG	28	20.0	19.2	M15*1.0	6.5	26.7	3.5	20.3	13.5	17.0
RM-ECG	38	24.0	25.0	M18*1.0	9.0	30.7	4.5	25.8	16.5	22.0



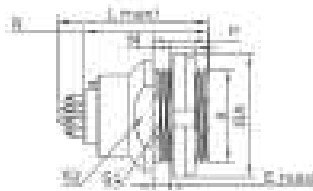
RM-ECG Panel Mount Fixed Receptacle with two screw nuts, elbow 90° contact for printed circuit

Reference		Dimensions(mm)							
Model	Series	A	B	e	E	M	N	S1	S2
RM-ECG	08	12.0	12.4	M9*0.6	5.5	2.5	18.3	8.2	11.0
RM-ECG	18	16.0	15.8	M12*1.0	6.0	3.5	20.3	10.5	14.0
RM-ECG	28	20.0	19.2	M15*1.0	6.5	3.5	22.3	13.5	17.0
RM-ECG	38	24.0	25.0	M18*1.0	9.0	4.5	25.8	16.5	22.0



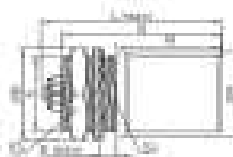
RM-ENG Panel Mount Fixed Receptacle

Reference		Dimensions(mm)								
Model	Series	A	B	e	E	L	M	N	S1	S3
RM-ENG	00B	8.0	10.1	M7*0.5	6.0	13.5	1.0	13.7	6.3	9.0
RM-ENG	0B	10.0	12.4	M9*0.6	7.0	20.7	1.2	19.1	8.2	11.0
RM-ENG	1B	14.0	15.8	M12*1.0	7.5	23.0	1.5	21.1	10.5	14.0
RM-ENG	2B	18.0	19.2	M13*1.0	8.5	26.7	1.8	24.6	13.3	17.0
RM-ENG	3B	21.8	25.0	M19*1.0	11.5	37.1	2.0	24.6	16.5	22.0



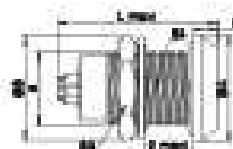
RM-EEG Panel Mount Fixed Receptacle, back panel mounting

Reference		Dimensions(mm)									
Model	Series	A	B	e	E	L	M	N	P	S1	S3
RM-EEG	00B	10	9.7	M7*0.5	2.3	15.7	2.5	13.5	6.0	6.3	7.5
RM-EEG	0B	12	12.5	M9*0.6	2.4	20.7	2.5	19.1	6.3	8.2	9.0
RM-EEG	1B	16	16.0	M12*1.0	6.5	23.0	3.5	21.1	11.0	10.5	13.0
RM-EEG	2B	20	20.0	M15*1.0	3.0	26.7	3.5	24.6	9.0	13.3	15.0
RM-EEG	3B	24	25.0	M18*1.0	3.0	30.7	4.5	25.2	12.0	16.5	20.0



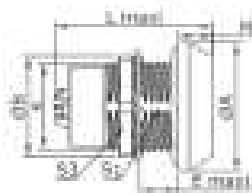
RM-EHG Panel Mount Fixed Receptacles, protruding shell

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



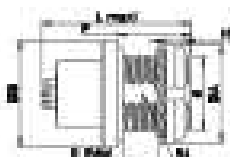
RM-HGG Panel Mount Sealed Fixed Receptacle, front panel mounting

Reference		Dimensions (mm)							
Model	Series	A	B	e	E	L	M	S1	S3
RM-HGG	00B	11.0	10.1	M7*0.5	8.0	18.0	2.5	6.3	9.0
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

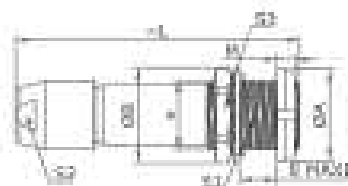
Reference		Dimensions(mm)								
Model	Series	A	B	e	E	L	M	S1	S2	S3
RM-HHG	08	12.0	12.4	M9*0.6	7.0	23.2	4.8	8.2	11.0	
RM-HHG	18	16.0	15.8	M12*1.0	7.0	30.3	5.2	10.5	14.0	
RM-HHG	28	20.0	19.2	M15*1.0	8.0	35.6	6.0	13.5	17.0	



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

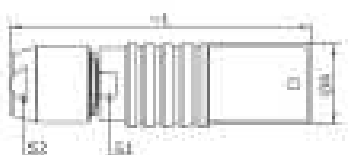
Reference		Dimensions(mm)								
Model	Series	A	B	e	E	L	M	P	S1	S3
RM-HEG	08	12.0	13.0	M9*0.6	2.5	20.2	2.5	9.8	8.2	-
RM-HEG	18	16.0	18.0	M12*1.0	5.5	26.6	3.5	11.0	10.5	-
RM-HEG	28	20.0	20.0	M15*1.0	6.5	31.8	3.5	9.8	13.5	15.0

RM-B



RM-PFG Panel Mount Cable Receptacle, back panel
mounting

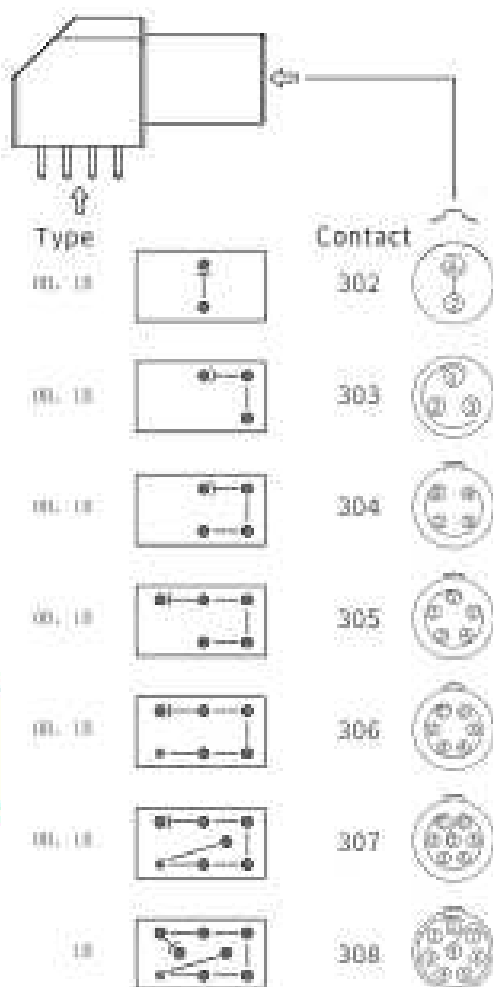
Reference		Dimensions(mm)								
Model	Series	A	B	e	E	L	M	S1	S2	S3
RM-PFG	08	12.0	12.4	M9*0.6	5.0	75.5	2.5	8.2	7.0	11.0
RM-PFG	18	16.0	15.8	M12*1.0	5.0	40.7	3.5	10.5	9.0	14.0
RM-PFG	28	20.0	19.2	M13*1.0	6.5	47.0	3.5	13.5	12.0	17.0
RM-PFG	38	24.0	25.0	M18*1.0	9.0	56.0	4.5	16.5	14.0	22.0



RM-PHG Cable Mount Receptacle

Reference		Dimensions(mm)			
Model	Series	A	L	S1	S2
RM-PHG	08	9.5	35.5	8.0	7.0
RM-PHG	18	12.5	40.5	10.0	9.0
RM-PHG	28	16.5	47.0	13.0	12.0
RM-PHG	38	19.0	56.0	15.0	14.0

Technical Characteristics



Electrical

Model	Shell Size	Contact No.	Test voltage (contact-shell)/kV	Test voltage (contact-shell)/kV	Rated current/A
EPG-EXG	00	302	1.45	1.20	4.5
EPG-EXG	00	303	1.70	1.60	4.5
EPG-EXG	00	304	1.30	1.10	4.5
EPG-EXG	00	305	1.25	1.20	4.5
EPG-EXG	00	306	1.25	1.20	2.5
EPG-EXG	00	307	1.00	1.20	2.0
EPG-EXG	1B	302	1.70	1.45	4.5
EPG-EXG	1B	303	1.60	1.35	4.5
EPG-EXG	1B	304	1.70	1.30	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-PHG Cable Mount Receptacle, nut for fitting a bend relief

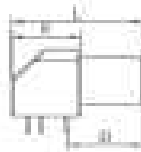
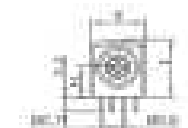
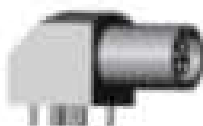
Reference		Dimensions (mm)			
Model	Series	A	L	S1	S2
RM-PHG	00	9.5	35.5	8.0	8.0
RM-PHG	1B	12.5	40.5	10.0	9.0
RM-PHG	2B	16.5	47.0	13.0	12.0
RM-PHG	3B	19.0	56.0	15.0	14.0



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

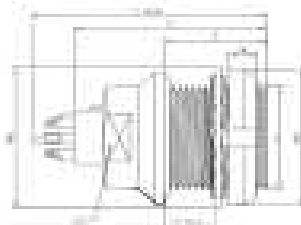
Model	Dimensions(mm)												
	A	B	D	e	E	H	I	K	L	M	N	P	S1
EXG.08C.302.KP	12	12.4	14.6	M9*0.6	6	6.7	12.6	13.3	15	2.5	11.7	7.62	11
EXG.08C.303.KP													
EXG.08C.304.KP													
EXG.08C.305.KP													
EXG.08C.306.KP													
EXG.08C.307.KP													
EXG.18C.302.KP	14	15	16.6	M11*0.5	7.3	7.5	14	13.3	27	3.5	12.6	7.62	13
EXG.18C.303.KP													
EXG.18C.304.KP													
EXG.18C.305.KP													
EXG.18C.306.KP													
EXG.18C.307.KP													
EXG.18C.308.KP													

RM-B



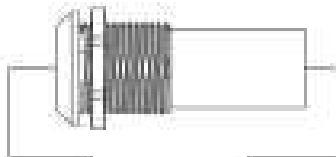
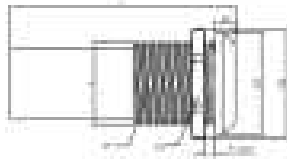
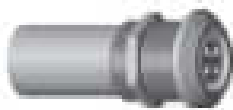
RM-EPG Elbow (90°) Receptacle for printed circuit, (solder or
screw fixing)back panel mounting

Model	Dimensions(mm)						
	A	D	H	I	K	L	N
EPG.18C.314.KP	11	21	7.7	14.3	19	38	15.4



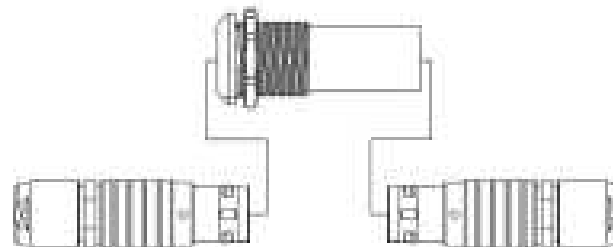
RM-EFG Fixed socket, fixed with nut, positioning slightly (G) or
positioning slightly (A · · · M). There are two flat
surfaces and an O-ring on the outer shell (rear panel
installation)

Reference		Dimensions(mm)										
Model	Series	A	B	e	E	L	M	N	P	S1		
RM-EFG	08	12	12.5	M9*0.6	5.5	20.7	2.5	19.1	9	8		

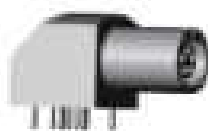


RM-RGG Fixed two-way, fixed with nuts, flange end with locating pin (G) or locating pin (A... G), and the other end with locating pin (J, K, and M)

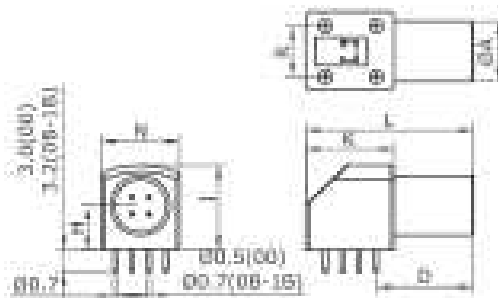
Reference		Dimensions (mm)								
Model	Series	A	B	a	E	L	M	S1	S1	
RM-RGG	0B	12	13.8	M10*0.75	8.0	34	2.0	9.0	12	
RM-RGG	0B	12	13.8	M10*0.75	8.0	43	2.0	9.0	12	
RM-RJG	0B	12	13.8	M10*0.75	8.0	34	2.0	9.0	12	
RM-RGJ	0B	12	13.8	M10*0.75	8.0	34	2.0	9.0	12	
RM-RAK	0B	12	13.8	M10*0.75	8.0	34	2.0	9.0	12	
RM-RGM	0B	12	13.8	M10*0.75	8.0	34	2.0	9.0	12	
RM-RGG	1B	16	19.2	M14*1.00	8.5	47	2.5	12.5	17	
RM-RJG	1B	16	19.2	M14*1.00	8.5	39	2.5	12.5	17	
RM-RGJ	1B	16	19.2	M14*1.00	8.5	39	2.5	12.5	17	
RM-RJG	2B	20	21.5	M16*1.00	12.0	44	4.0	15.0	19	
RM-RGJ	2B	20	21.5	M16*1.00	12.0	44	4.0	13.0	19	
RM-RGJ	3B	25	27.0	M20*1.00	32.0	53	4.0	18.5	24	
RM-RGJ	4B	34	34.0	M25*1.00	50.0	65	4.0	21.5	30	



RM-B



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



Model	Dimensions(mm)							
	A	B	H	I	K	L	M	R
EPG.08C.302.KP	9.0	14.6	6.7	12.6	13.3	25.0	11.7	7.62
EPG.08C.303.KP								
EPG.08C.304.KP								
EPG.08C.305.KP								
EPG.08C.306.KP								
EPG.08C.307.KP								
EPG.18C.302.KP	11.0	16.6	7.5	14.0	13.3	27.0	12.6	7.62
EPG.18C.303.KP								
EPG.18C.304.KP								
EPG.18C.305.KP								
EPG.18C.306.KP								
EPG.18C.307.KP								
EPG.18C.308.KP								

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

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

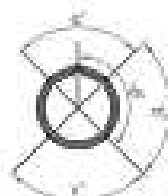
RM-B

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 Pos.	Angles	Series			Code	Keys Pos.	Angles	Series		Contact Type	
			00	0H	1B				3E	1B	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		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		37.5°	45°	Female	Male
K	2	γ	-	70°	70°	K	2	α	52.5°	70°	Female	Male
L	2		-	80°	80°	L	2		70°	80°	Female	Male
M	2		-	110°	-	M	2		-	110°	Female	Male



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 +150°C
- Available solder, PCB and right angle PCB contact



RM-K Series

Plugs



FGG



FGG



FPG



FAG

Receptacles



EGG



EEG



EEG



HGG



PHG

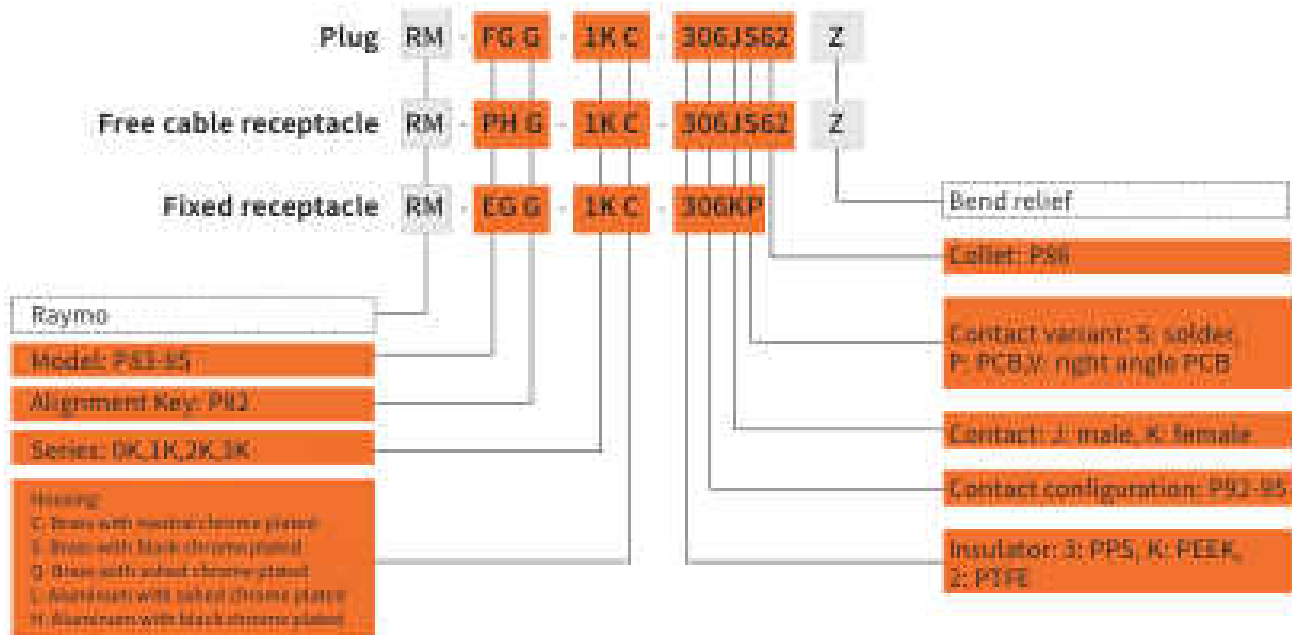


PHG



PEG

Part Numbering System



Part No.Example

Straight plug with cable collet

RM-FGG-1KC-303J562Z= 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-303K562Z= free cable receptacle (G) and cable collet, 1K series, multipole 3 contacts, outer shell in natural chrome-plated brass, PPS 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.

RM-K

Part Section Showing Internal Components

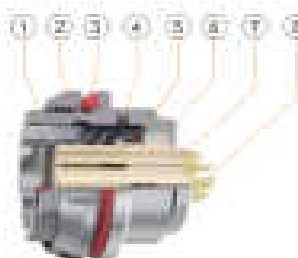
Cable Mount Plug

- ① Outer shell
- ② Male contact
- ③ Latch sleeve
- ④ Insulator
- ⑤ Inner shell
- ⑥ Split insert carrier A/B
- ⑦ Retaining ring
- ⑧ Earthing 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 Retaining 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	at 10-MHZ	>95 dB	IEC 60619-1-3
	at 1 GHz	>80 dB	IEC 60619-1-3

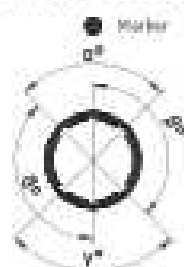
RM-K

Alignment key and Polarized keys(RM-K series)

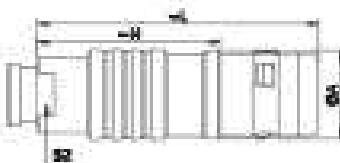
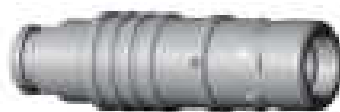
RM-K series connector model type are composed of five letters.

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

Front view of receptacle

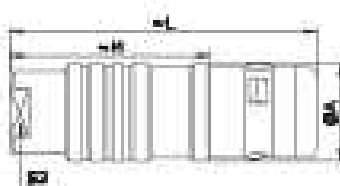


Code	Keys No.	Angles	Series				Contact Type	
			0K	1K	2K	3K	Plug	Receptacle
G	1		0°	0°	0°	0°	Male	Female
A	2		30°	30°	30°	30°	Male	Female
B	2	α	45°	45°	45°	45°	Male	Female
C	2		60°	60°	60°	60°	Male	Female
D	2	γ	95°	95°	95°	95°	Male	Female
E	2	β	120°	120°	120°	120°	Male	Female
F	2		145°	145°	145°	145°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



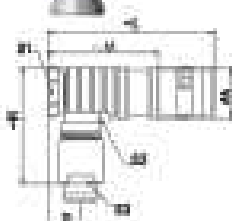
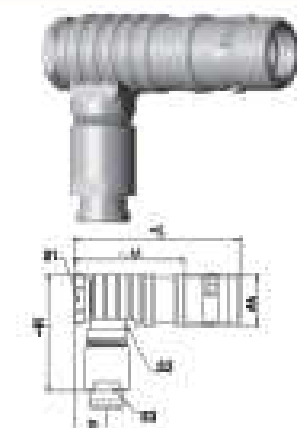
RM-FGG Cable Mount Straight Plug,
nut for fitting a bend relief

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



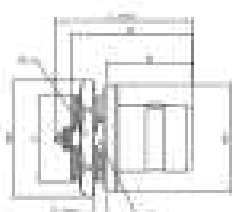
RM-FGG Cable Mount Straight Plug

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	B	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-FAG Fixed plug

Reference		Dimensions(mm)								
Model	Series	A	B	e	E	L	M	N	S1	S3
RM-FAG	1K	20	21.5	M16*1.0	2.3	25.3	36.0	22.5	14.5	19
RM-FAG	2K	25	27.0	M20*1.0	4.5	31.2	38.0	28.3	18.5	24
RM-FAG	3K	30	34.0	M24*1.0	4.0	36.3	42.5	33.8	22.5	30

RM-K



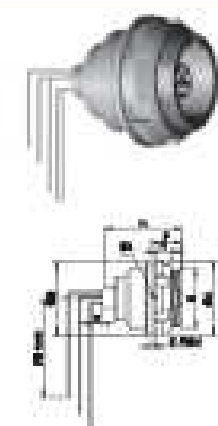
RM-EGG Panel Mount Fixed Receptacle

Reference		Dimensions(mm)								
Model	Series	A	B	e	E	L	M	N	S1	S2
RM-EGG	0K	38.0	29.2	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	



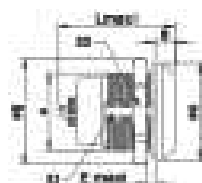
RM-EEG Panel Mount Fixed Receptacle elbow 90° contact for
printed circuit (back panel mounting)

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	



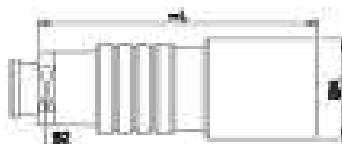
RM-HEG Panel Mount Fixed Receptacle

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	



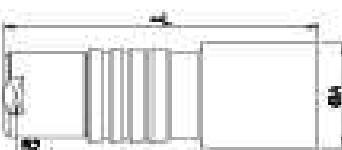
RM-HGG Panel Mount Fixed Receptacle,
Watertight or vacuumtight

Reference		Dimensions(mm)								
Model	Series	A	B	e	E	L	M	S1	S2	
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	



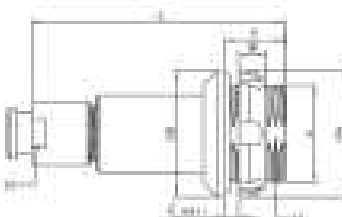
RM-PHG Cable Mounted Receptacles, nut
for fitting a bend relief

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



RM-PEG Back panel fixed receptacle, nut fixing, key(G) or
key(A...F, L and R)

Reference		Dimensions(mm)								
Model	Series	A	B	e	E	L	M	P	S1	S2
RM-PEG	0K	18.0	18	M14*1.0	5.0	34	3.5	8.5	12.5	8
RM-PEG	1K	20.0	20	M16*1.0	6.5	45	3.5	10.0	14.5	9
RM-PEG	2K	25.0	25	M20*1.0	4.0	54	3.5	7.5	18.5	12
RM-PEG	3K	30.0	31	M24*1.0	7.5	65	4.5	12.0	22.5	15

RM-K

RM-K series Cable collet



0K

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

① This 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

W series has same housing 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 -50°C to +250°C
- Available solder, PCB and right angle PCB contact



RM-W Series

Plugs



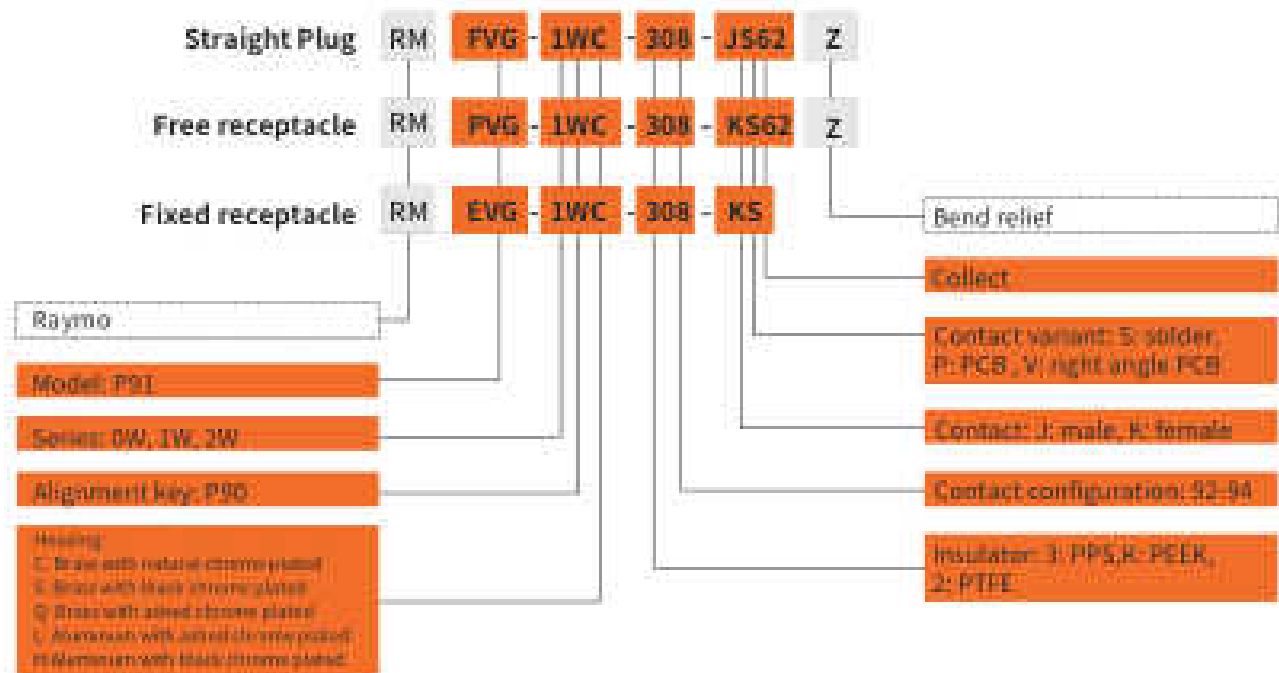
FVG

Receptacles



EVG

Part Numbering System



Part No.Example

Straight plug with cable collet

RM-FVG-1WC-308-JS62Z= straight plug, 1W series, multipole 8 contacts, outer 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

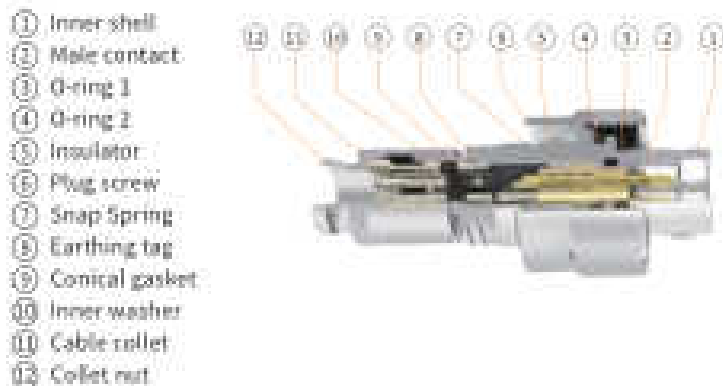
Free receptacle

RM-FVG-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

RM-W

Part Section Showing Internal Components

Cable Mount Plug



Fixed Receptacle



Technical Characteristics

Mechanical and Climatical

Characteristics	Value	Standard
Endurance	~1000cycles	IEC60512-5test9a
Humidity	Up to 95% at 60°C	
Temperature range	-20°C, +200°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	~144hrs	IEC 60512-6 test 11f
Protection index (mated)	IP68	IEC 60529
Climatical category	20/200/21	IEC 60068-1

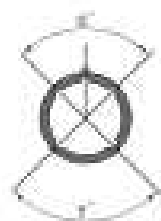
Electrical

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

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		Result
			0W	1W	2W	3W	Plug	Receptacle	
G	1	α	0°	0°	0°	0°	Male	Female	●
A	2		30°	30°	30°	30°	Male	Female	●
B	2	γ	45°	45°	45°	45°	Male	Female	●
C	2		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	S1	S2
RM-FVG	0W	17.3	8.8	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

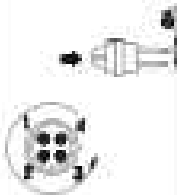
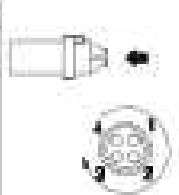
Reference		Dimensions(mm)									
Model	Series	A	B	e	e1	E	L	N	S1	S2	S3
RM-EVG	0W	16.3	16.0	M12*1.0	M14*1.0	4.0	21.7	8	10.5	12.5	14
RM-EVG	1W	18.3	18.3	M14*1.0	M16*1.0	8.0	27.0	9	12.5	14.5	17
RM-EVG	2W	22.5	21.8	M16*1.0	M20*1.0	9.0	30.7	12	14.5	18.5	19

Insulator Configuration

	Insulator Configuration		Insulator	Contact No.	Pitch (mm)	Contact type			Test voltage/contact pitch 1 by AC rms	Test voltage/contact pitch 1 by AC rms	Rated current (A)
	solder male contact	solder female contact				Solder contact	PCB straight contact	PCB elbow contact			
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
08 0K 0W			302	2	0.8	●	●	●	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
18 1K 1W			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.	Pitch (mm)	Contact type			Test voltage/contact rated V/v AC-rms	Test voltage/contact rated V/v AC-rms	Rated current (A)
							Solder contact	PCB through contact	PCB surface contact			
18 1K 1W			304	4	0.9	●	●	●	1.35	1.45	10.0	
			305	5	0.9	●	●	●	1.25	1.15	9.0	
			306	6	0.7	●	●	●	1.05	1.20	7.0	
			307	7	0.7	●	●	●	0.95	1.05	7.0	
			308	8	0.7	●	●	●	0.95	1.15	5.0	
			310	10	0.5	●	●	●	0.80	1.50	2.5	
			314	14	0.5	●	●	●	0.80	1.20	2.0	
			316	16	0.5	●	●	●	0.80	1.25	1.5	
28 2K 2W			302	2	2.0	●	●	●	2.10	1.75	25.0	
			303	3	1.6	●	●	●	2.40	1.85	17.0	
			304	4	1.3	●	●	●	1.85	1.45	15.0	
			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.	Pitch (mm)	Contact type			Test voltage/contact pitch (V AC-rms)	Test voltage/contact pitch (V AC-rms)	Rated current (A)
						Solder contact	PCB straight contact	PCB right angle 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	1.33	6.5
			316	16	0.7	●	●	●	0.95	1.29	6.0
			318	18	0.7	●	●	●	0.85	1.20	5.5
			319	19	0.7	●	●	●	0.95	1.25	5.0
			320	26	0.5	●	●	○	0.95	1.30	2.0
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 Pts.	Ø (A/Dia)	Contact type			Test voltage (contact shield kV AC rms)	Test voltage (contact - contact) kV AC rms	Rated current (A)
						Holder 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	1.10	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-W





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

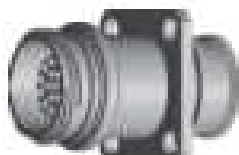


FXN

Receptacles



EDN



PFN



PBN



HEN



ECN

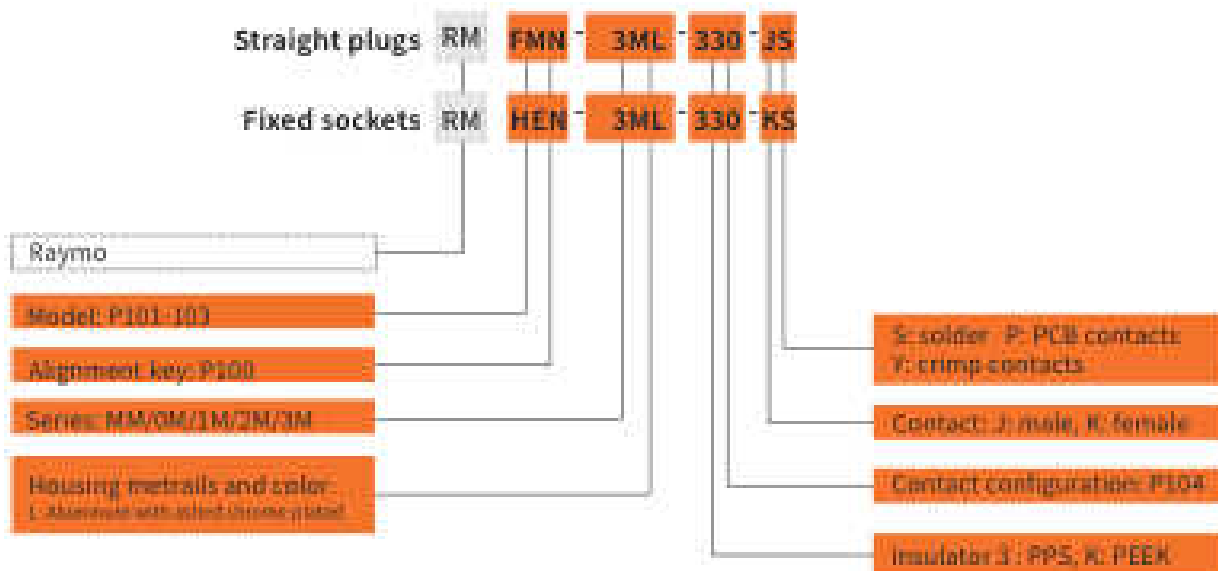


EGN



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 ashed nickel-plated aluminium alloy, PPS insulator, male solder contacts.

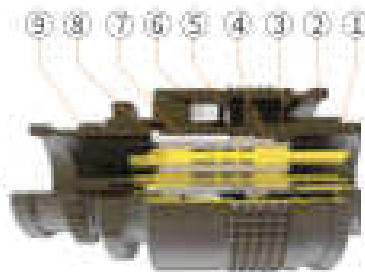
Fixed sockets

RM-HEN-3ML-330-KS= fixed socket, nut fixing, with key (N), 3M series, multipole type with 30 contacts, outer shell in ashed 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 Inner
- ⑤ O ring
- ⑥ Hexagonal nut
- ⑦ Outer O ring
- ⑧ Earthing crown



RM-M

Technical Characteristics

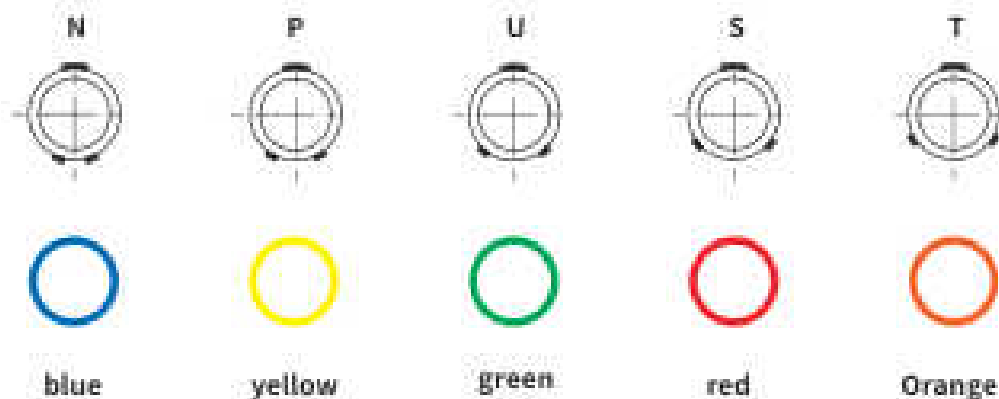
Mechanical and Climatical

Characteristics	Value	Standard
Endurance	3000 cycle	IEC60512-5 test9a
Humidity	95% 21 days	IEC 60068-2
Temperature range	-55C° ~ 200C° 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°D, > 10°Q	IEC 60512-2

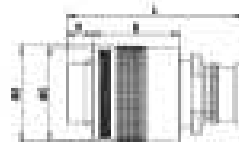
Electrical

Characteristics	Value	Standard
Shielding	at 10 MHz	>75 dB
efficiency	at 1 GHz	>40 dB

Alignment Key and Polarized Keying System

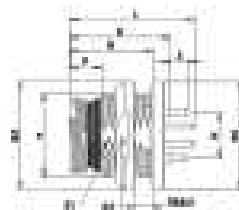


RM-M



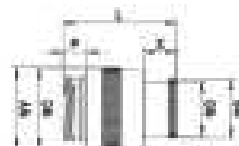
RM-FMN Straight plug, key (N) or keys (P, R, S, T, U, V, W and X)

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	OM	13.1	13.4	12.7	3.9	24.1	
RM-FMN	1M	14.6	13.4	14.1	3.9	24.1	
RM-FMN	2M	17.6	13.4	17.1	3.9	24.5	
RM-FMN	3M	19.6	13.4	19.1	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).

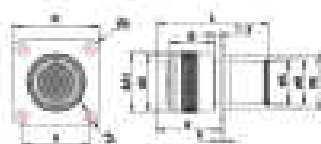
Reference		Dimensions(mm)											
Model	Series	A	B	e	E	H	L	N	P	R	S1	S2	
RM-HEN	MM	14	17.8	M10*0.50	4.0	5.08	20.4	15.3	3.7	10.5	9.0	11	
RM-HEN	OM	17	16.8	M13*0.75	5.0	5.08	20.8	16.8	5.3	13.8	11.5	14	
RM-HEN	1M	18	17.8	M14*1.00	5.0	7.62	20.8	16.8	5.3	13.8	12.5	16	
RM-HEN	2M	21	20.8	M17*1.00	5.0	8.89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

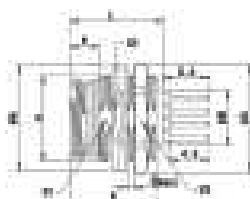
Reference		Dimensions(mm)						
Model	Series	A	B	C	D	L	P	X
RM-PMN	MM	11.1	6.4	10.7	5.6	21.4	3.7	5.8
RM-PMN	OM	13.1	8.8	12.7	8.0	25.6	5.3	6.7
RM-PMN	1M	14.6	10.5	14.2	9.7	25.6	5.3	6.7
RM-PMN	2M	17.6	14.0	17.2	13.0	26.0	5.3	7.1
RM-PMN	3M	19.6	16.0	19.7	15.0	26.0	5.3	7.1

RM-M



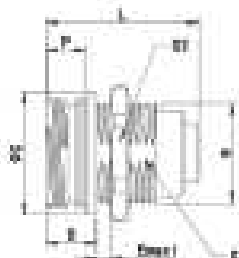
RM-FXN Straight plug with square flange, key (N) or keys (P, R, S, T, U, V, W and X) , with knurled grip and MIL-DTL-38999L shell thread.

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	OM	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	16.3	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	19.7	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	OM	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	C	D	e	E	L	P	S1	S2
RM-EGN	OM	12.7	6.8	M9*0.6	5.0	16.8	5.3	8.2	11
RM-EGN	1M	14.2	6.8	M11*1.0	4.5	16.8	5.3	9.5	13
RM-EGN	2M	17.2	7.6	M14*1.0	4	15.6	5.3	12.5	17



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

Reference		Dimensions (mm)									
Model	Series	A	B	C	G	H	K	L	N	P	V
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	OM	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)										
Model	Series	A	B	C	D	E	G	H	K	M	S1	V
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	OM	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

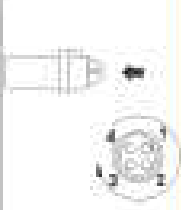
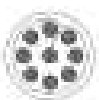
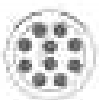
RM-M



RM-PBN 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	D	G	H	N	P	Se	X
RM-PBN	MM	11.0	6.4	11.3	5.6	6.7	16.2	12.5	3.7	13.1	5.8
RM-PBN	DM	17.0	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	11.0	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.	Pitch (mm)	Contact type			Test voltage/contact -shell(s)/V AC-rms	Test voltage/contact -contact(s)/V AC-rms	Rated current /A
							Solder contact	PCB straight contact	WPS (Max)			
MM			303	3	0.5	●	●	28	1.15	0.95	3.0	
			304	4	0.5	●	●	28	0.95	0.90	2.0	
QM			302	2	0.9	●	●	22	1.45	1.00	10.0	
			303	3	0.9	●	●	22	1.70	1.40	8.0	
			304	4	0.7	●	●	22	1.35	0.90	7.0	
			305	5	0.7	●	●	22	1.25	1.00	6.5	
			307	7	0.5	●	●	28	0.80	0.70	2.5	
			309	9	0.5	●	●	28	0.60	0.50	2.0	
			310	10	0.5	●	●	28	0.60	0.50	1.5	
			302	2	1.3	●	●	20	1.50	1.10	19.0	
1M			303	3	1.3	●	●	20	1.05	0.95	15.5	

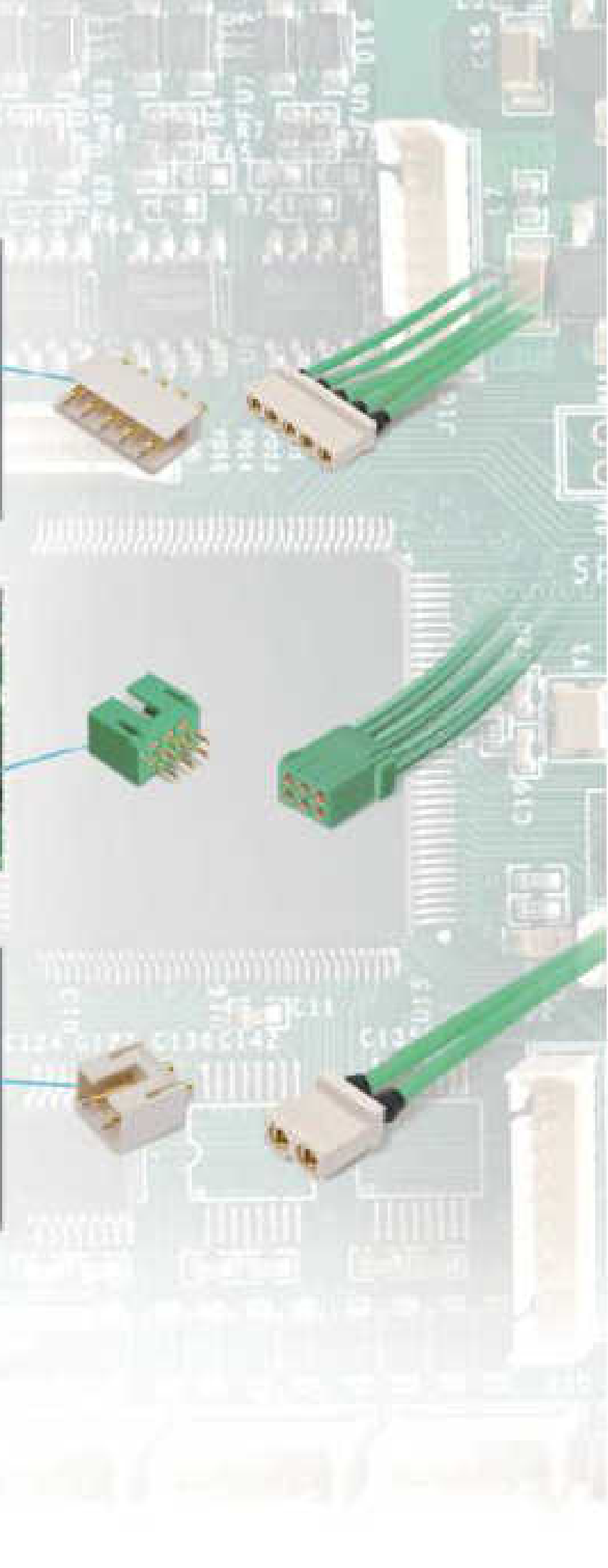
- First choice alternative
- Special order alternative

Technical Characteristics

solder male contact / solder female contact		insulator	Contact No.	ØA (mm)	Contact type			Test voltage/contact shell V AC rms	Test voltage/contact contacts V AC rms	Rated current (A)	
					Solder contact	PCB straight contact	AWG (Max)				
1M			305	5	0.5	●	●	22	1.30	1.30	9.0
			307	7	0.7	●	●	22	1.45	1.30	7.0
			308	9	0.7	●	●	22	1.30	1.10	5.0
2M			304	4	1.3	●	●	20	1.55	1.35	15.5
			306	6	0.9	●	●	24	1.95	1.10	10.0
			310	10	0.9	●	●	22	1.80	1.20	8.0
			312	12	0.7	●	●	22	1.65	1.15	7.0
			319	19	0.7	●	●	22	1.20	1.00	4.0
3M			307	7	1.6	●	●	18	1.70	1.25	15.0
			322	22	0.7	●	●	22	1.25	1.15	4.0
			330	30	0.7	●	●	22	1.10	1.00	3.5

- First choice alternative
 ○ Special order alternative

RM-M



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

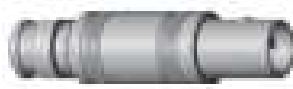


RM-S Series

Plugs



FFA



FFA



FFY



FAA

Receptacles



ERA



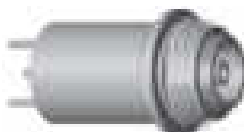
ERN



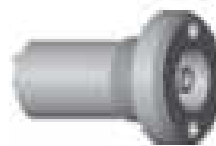
ERC



HGP



HEP



EWV



EPE

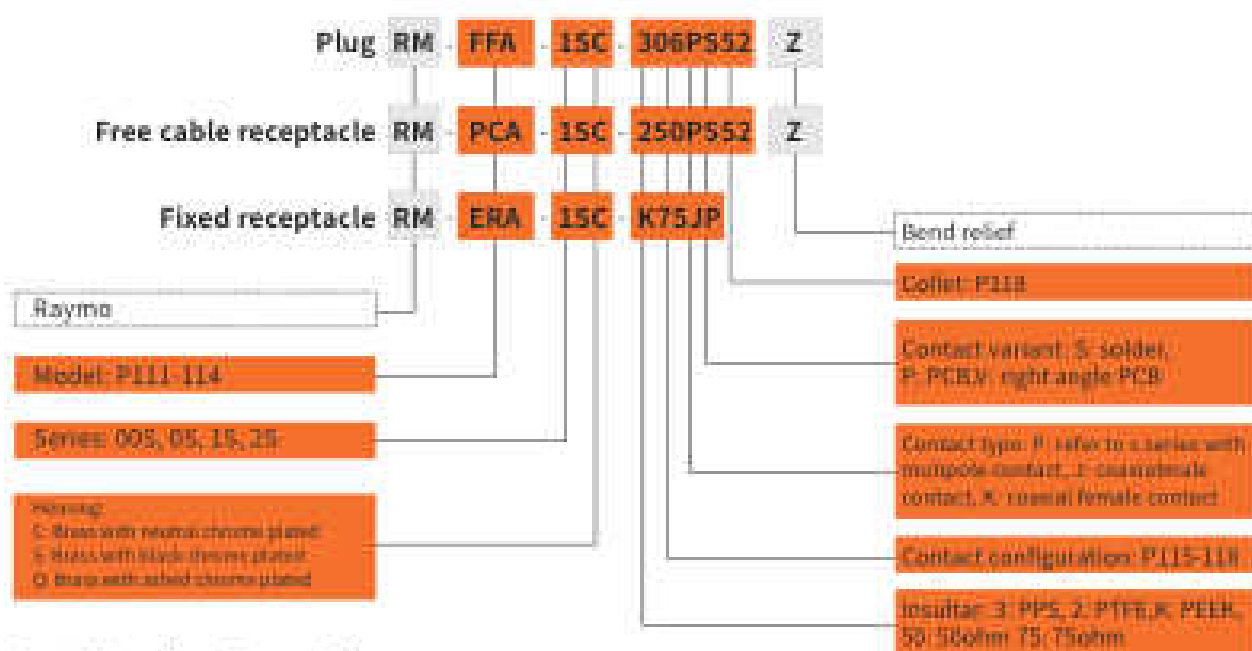


PCA



PCA

Part Numbering 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, PPS 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.

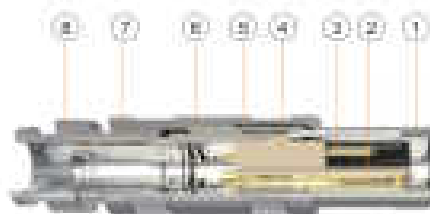
Free cable receptacle

RM-PCA-1SC-250-KS52Z= free cable receptacle with cable collet, 1S series, coaxial female contact, outshell in natural chrome-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



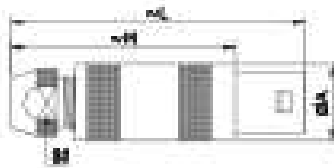
Technical Characteristics

Mechanical and Climatical

Characteristics	Value	Standard
Endurance	>5000cycles	IEC60512-Start9a
Humidity	Up to 95% at 60°C	
Temperature range	-55°C, +125°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

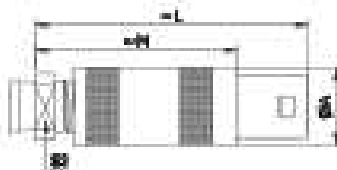
Electrical

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



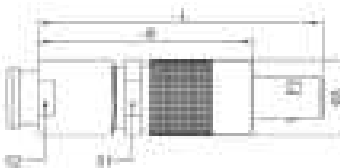
RM-FFA Cable Mount Straight Plug

Reference		Dimensions(mm)				
Model	Series	A	L	M	S1	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	63.0	46.0	14.0	



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

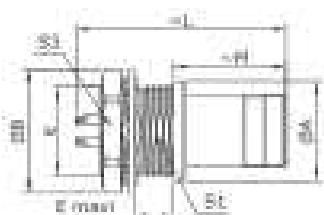
Reference		Dimensions(mm)				
Model	Series	A	L	M	S1	S2
RM-FFA	00S	6.4	26.0	18.0	4.5	
RM-FFA	0S	9.0	34.5	24.5	6.5	
RM-FFA	1S	12.0	42.5	31.5	8.5	
RM-FFA	2S	14.8	52.0	40.0	11.0	
RM-FFA	3S	17.8	63.0	46.0	14.0	



RM-FFY Cable Mount Straight Plug

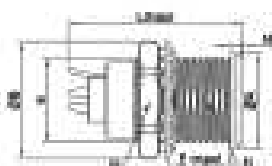
Reference		Dimensions(mm)				
Model	Series	A	M	L	S1	S2
RM-FFY	00S	8.9	25.0	33	8.0	8.0

RM-S



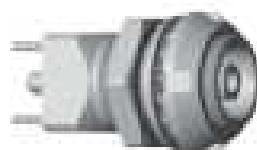
RM-FAA Cable Mount Straight Plug

Reference		Dimensions(mm)							
Model	Series	A	B	e	E	L	M	S1	S2
RM-FAA	00S	8.0	10.3	M7*0.5	2.0	15.5	9.0	6.3	9.0
RM-FAA	0S	10.0	12.4	M9*0.6	2.0	18.5	11.2	8.3	11.0
RM-FAA	1S	14.0	15.8	M12*1.0	2.5	22.5	12.5	10.5	14.0
RM-FAA	1S	18.0	19.2	M15*1.0	4.0	25.0	13.8	13.5	17.0



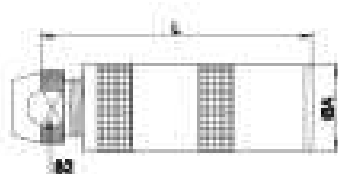
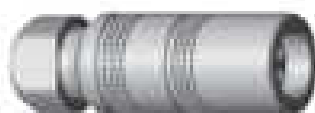
RM-ERN Panel Mount Fixed Receptacle, Nut fixing, with earthing tag

Reference		Dimensions(mm)								
Model	Series	A	B	e	E	L	L'	M	S1	S2
RM-ERN	05	10.0	12.4	M9*0.6	7.0	19.3	19.3	1.2	8.2	11.0
RM-ERN	15	14.0	15.8	M12*1.0	7.5	22.4	22.4	1.5	10.5	14.0
RM-ERN	25	18.0	19.2	M15*1.0	8.5	26.3	26.3	1.8	13.5	17.0
RM-ERN	35	22.0	25.0	M18*1.0	11.5	29.8	29.8	2.0	16.5	21.0



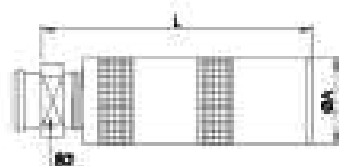
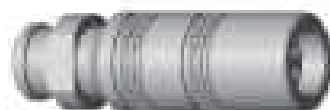
RM-EPE Panel Mount Receptacle

Reference		Dimensions(mm)								
Model	Series	A	B	e	E	M	N	L	S1	S2
RM-EPE	005	10.0	10.2	M7*0.5	4.5	2.5	14.0	3.0	9.0	



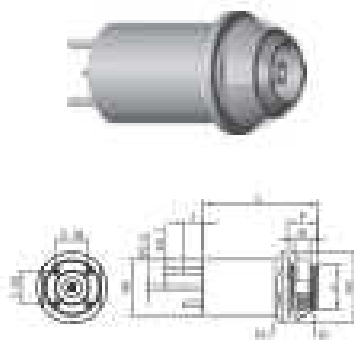
RM-PCA Cable Mount Receptacle

Reference		Dimensions(mm)		
Model	Series	A	L	S2
RM-PCA	005	6.5	25.0	6.0
RM-PCA	05	8.9	33.5	7.0
RM-PCA	15	11.9	40.5	9.0
RM-PCA	25	14.8	50.0	12.0
RM-PCA	35	17.8	59.0	14.0



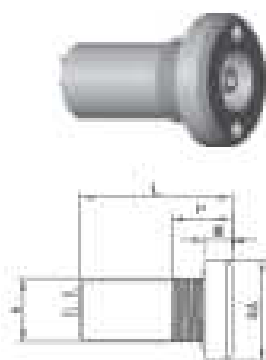
RM-PCA Cable Mount Receptacle, nut for fitting a bend relief

Reference		Dimensions(mm)		
Model	Series	A	L	S2
RM-PCA	005	6.5	25.0	6.0
RM-PCA	05	8.9	33.5	7.0
RM-PCA	15	11.9	40.5	9.0
RM-PCA	25	14.8	50.0	12.0
RM-PCA	35	17.8	59.0	14.0



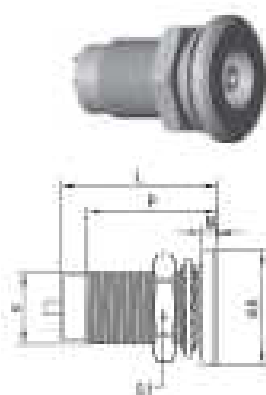
RM-HEP Panel mount fixed receptacle

Reference		Dimensions(mm)							
Model	Series	A	B	e	P	L	M	S1	S2
RM-HEP	005	11.0	8.7	M7*0.5	4.7	18.0	2.5	6.3	9.0



RM-EWV Panel mount fixed receptacle

Reference		Dimensions(mm)				
Model	Series	A	e	P	L	M
RM-EWV	005	11.0	M7*0.5	6	15.0	2.6



RM-HGP Panel mount fixed receptacle

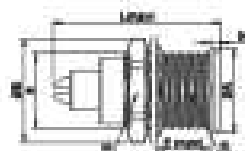
Reference		Dimensions(mm)					
Model	Series	A	e	P	L	M	S1
RM-HGP	005	11.0	M7*0.5	12.5	13.0	1.3	9.0

RM-S



RM-ERC Panel mount fixed receptacle

Reference		Dimensions(mm)								
Model	Series	A	B	e	E	F	L	M	S1	S2
RM-ERC	005	8.0	10.0	M7*0.5	5.5	1.6	14.5	1.0	6.3	9.0
RM-ERC	05	10.0	12.4	M9*0.6	2.0	1.6	18.5	1.2	8.2	11.0
RM-ERC	15	14.0	15.8	M12*0.7	2.5	1.6	20.5	1.5	10.5	14.0



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	10.1	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	13.3	17.0
RM-ERA	3S	22.0	25.0	M18*1.0	11.5	29.0	2.0	16.5	22.0

Insulator Configuration

			Code	Ohm (Ω)	Contact diameter	Contact No.	Contact max. diameter	Insert max. diameter	Voltage standing-wave ratio VSWR (f=0Hz)	Test voltage (kV) (rms)	Current rate (A)
00S			250	50	0.7	50	1.05	3.05	1.09 +0.11f	2.1	4
			250	50	0.9	50	0.95	2.95	1.02 +0.25f	1.0	6
1S			250	50	1.0	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	1.03 +0.03f	0.5	12

- First choice alternative
- Special order alternative

Insulator Configuration

	solder male contact	solder female contact	Insulator	Contact No.	Pitch (mm)	Contact type			Test voltage/contact rated V/AC-rms	Test voltage/contact rated V/DC-rms	Rated current (A)
						Solder contact	PCB straight contact	PCB elbow contact			
05			302	2	0.5	●	●	●	1.50	2.10	10.0
			303	3	0.7	●	●	●	1.00	1.50	7.0
			304	4	0.7	●	●	●	1.00	1.50	7.0
15			302	2	1.3	●	○	○	1.20	1.80	15.0
			303	3	0.9	●	●	○	1.20	1.80	10.0
			304	4	0.9	●	●	●	1.20	1.80	10.0
			305	5	0.9 0.7	●	●	●	1.50 1.50	2.10 2.10	10.0 7.0
			306	6	0.7	●	●	●	1.50	2.10	7.0
25			302	2	1.6	●	○	○	1.70	2.40	20.0
			303	3	1.3	●	○	○	1.50	2.10	15.0
			304	4	1.3	●	○	○	1.70	2.40	15.0
			305	5	1.3	●	○	○	1.50	2.10	13.0
			306	6	1.3	●	○	○	1.50	2.10	12.0

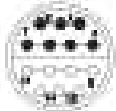
- First choice alternative
- Special order alternative

Insulator Configuration

solder male contact	solder female contact	insulator	Contact pins	ø in (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			
		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.	ØA (mm)	Contact type			Test voltage/contact shield kV AC rms	Test voltage/contact -contact kV AC rms	Rated current /A
					Solder contact	PCB straight contact	PCB elbow contact			
		313	13	0.9	●	○	○	1.50	2.10	6.0
		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
92	9.2	-	9.2	>4.2



RM-P Series

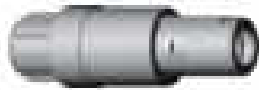
Plastic Push Pull Self-locking Connector

- 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 contacts



RM-P Series

Plugs (plastic)



PAG



PAG

Receptacles (plastic)



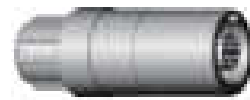
PKG



PLG



PKG



PRG



PRG

Plugs (metal)



PAG



PAG

Receptacles (metal)

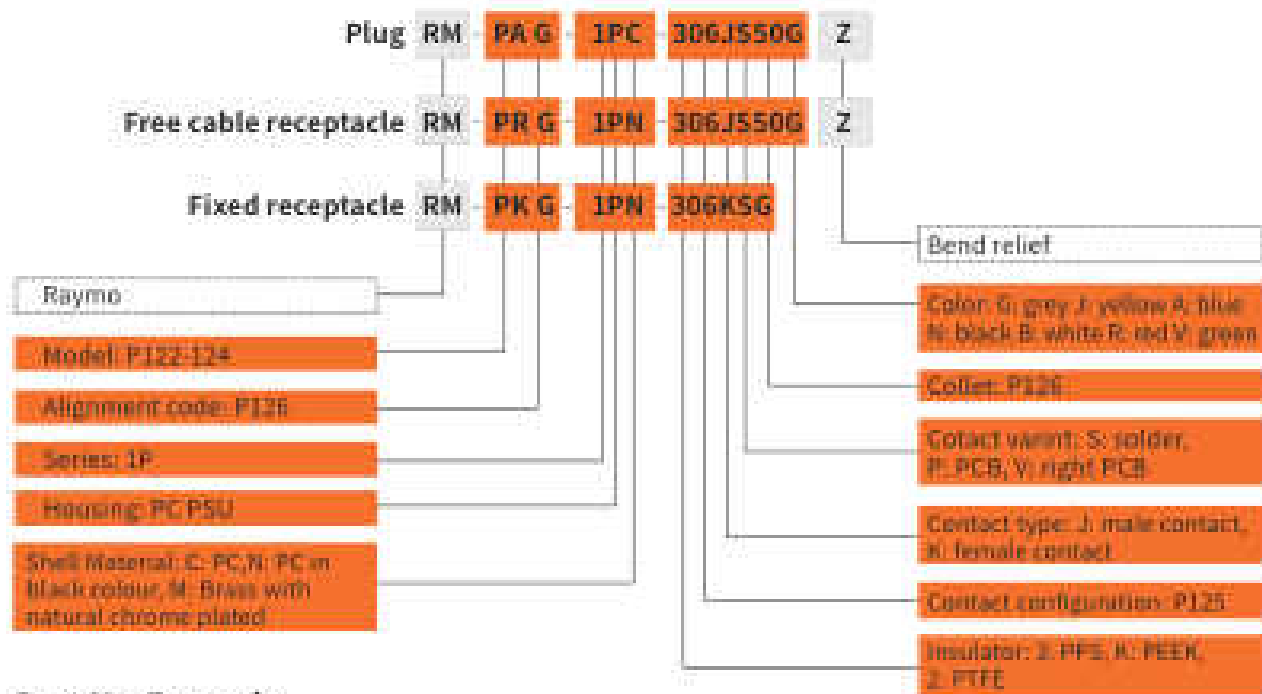


HHG



PHG

Part Numbering System



Part No.Example

Straight plug

RM-PAG-1PC-306JS50GZ= straight plug with cable collet and alignment key(G=0 degree), multipole 6 male contacts in solder type, gray outer 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-306KS50GZ= 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.

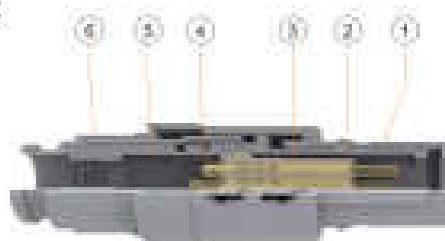
Fixed receptacle

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

Part Section Showing Internal Components

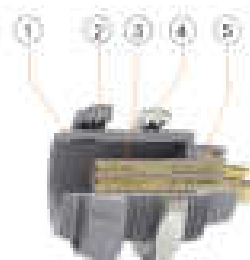
Cable Mount Plug

- 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



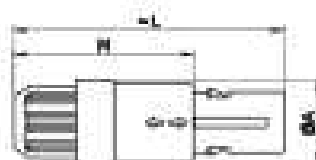
RM-P

Technical Characteristics

Mechanical and Climatical

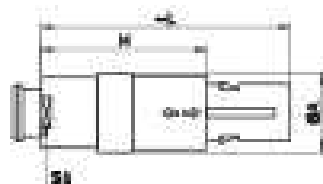
Characteristics	Value	Standard
Endurance	~1000cycles	IEC 60512-5 test 9a
Humidity	Up to 95% at 60°C	
Temperature range	-40°C, +120°C	
Resistance to vibration	10-2000Hz, 15g	IEC 60512-4 test 6d
Shock resistance	100g, 6ms	IEC 60512-4 test 6c
Protection index (mated)	IP50	IEC 60529
Climatical category	55/175/21	IEC 60068-1

RM-P



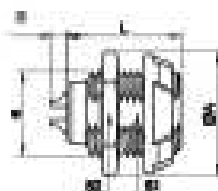
RM-PAG Cable Mount Straight plug

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



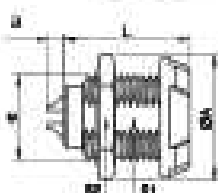
RM-PAG Cable Mount Straight plug, nut for fitting a bend relief

Reference		Dimensions(mm)				
Model	Series	A	L	M	S1	S2
RM-PAG	1P	14	45.5	32	9	



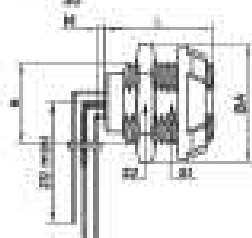
RM-PKG Fixed Receptacle with two nuts, back panel mounting

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

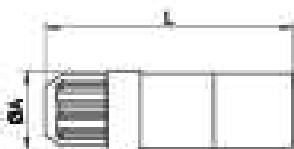
Reference		Dimensions(mm)					
Model	Series	A	L	a	e	S1	S2
RM-PLG	1P	19.5	20.5	2.7	M14*1.0	12.5	17



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

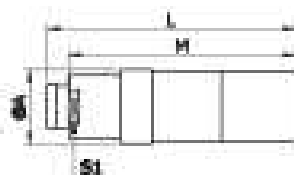
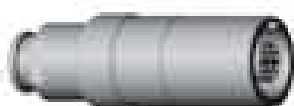
Reference		Dimensions(mm)					
Model	Series	A	L	a	e	S1	S2
RM-PKG	1P	19.5	20.5	2.0	M14*1.0	12.5	17.0

RM-P



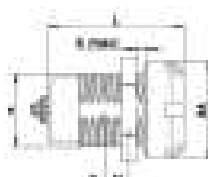
RM-PRG Cable Mount Receptacle

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



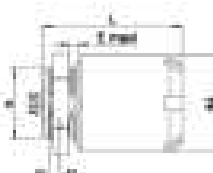
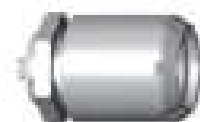
RM-PRG Cable Mount Receptacle, nut for fitting a bend relief

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



RM-HHG Fixed metal socket

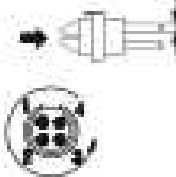
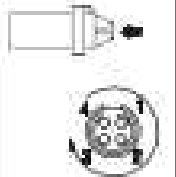
Reference		Dimensions(mm)					
Model	Series	A	B	E	e	S1	S2
RM-HHG	1P	18.5	16.6	10	M14*1.0	12.5	17



RM-PHG Fixed metal socket

Reference		Dimensions(mm)					
Model	Series	A	B	E	e	S1	S2
RM-PHG	1P	18.5	27	3.0	M14*1.0	12.5	17

Technical Characteristics

	solder male contact		Insulator	Contact Arr.	Ø A (mm)	Contact type			Test voltage/contact -shell 50% AC rms	Test voltage/contact -contact 10% 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	0.65	6.0
			307	7	0.7	●	●	●	1.05	0.83	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

RM-P series Cable collet



ΦA(mm)	CableΦ(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



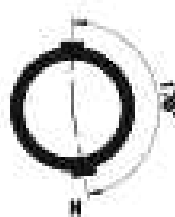
A=two keys with 40 degree



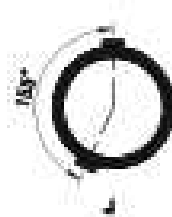
B=two keys with 60 degree



C=two keys with 80 degree



H=two keys with 170 degree



J=two keys with 155 degree

RM-P



RM-H Series

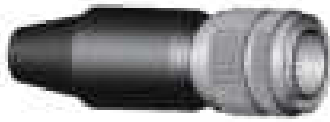
Metal Miniature Push Pull Self-locking Connector

- 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

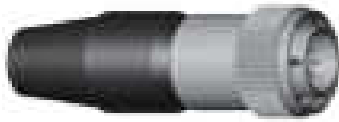


RM-H Series

Plugs



HR10A



HR10A



HR25A

Receptacles



HR10A



HR10A

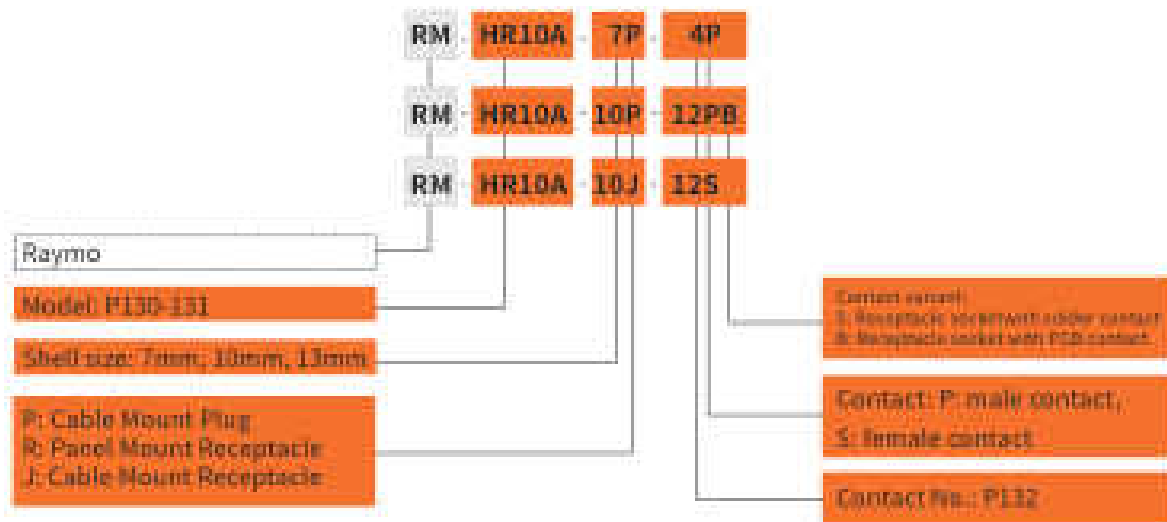


HR10A



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, 12 pin male contact in PCB type, outshell in nickel-plated brass, PPS insulator.

Free cable receptacle

RM-HR10A-10J-12S= Free cable receptacle with cable collet, 10mm shell size, 12 female contact outshell in nickel-plated brass, PPS insulator, with a black colour 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

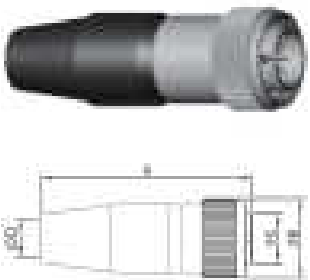


RM-H



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



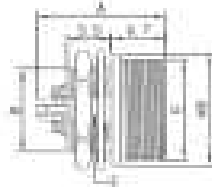
HR10A Panel mount receptacle

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	19,1	18	15,4	M8*0,5	17



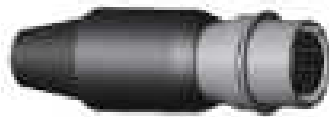
HR10A Panel mount receptacle, printed PCB contact

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	17,9	18	15,4	M14*0,5	17



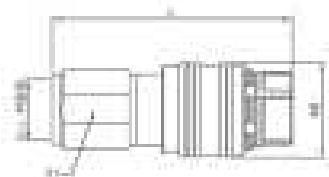
HR10A Panel mount receptacle

Reference		Dimensions(mm)				
Model	No. of pins	A	B	C	D	E
10mm	10,12	16	14	M11*0.75	M12*0.75	9.6



HR10 Cable mount receptacle

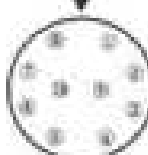
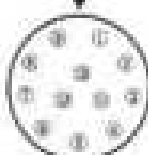
Reference		Dimensions(mm)			
Model	No. of pins	A	B	C	D
7mm	4,6	35.3	11	8.85	10
10mm	10,12	43	14	11.9	13

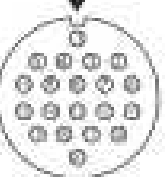


HR25A push pull self-latching plug

Reference		Dimensions(mm)			
Model		D	L	S1	MAX Ø
HR25A		13	32.8	10	6.5

Insulator Configuration

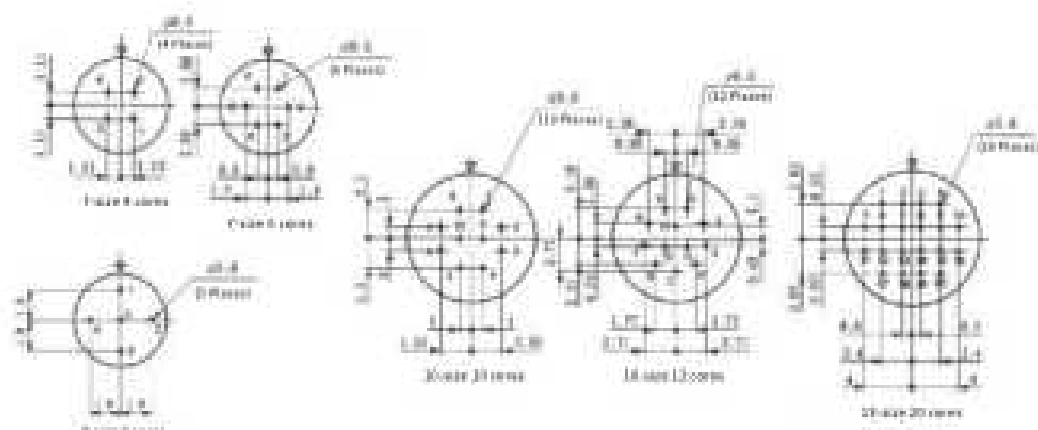
shell size	7 mm			10 mm	
Contact No. view					
Contact No.	4	5	6	10	12
Test Voltage	AC500V for a minute			AC300V for a minute	
Test Current	2A			2A	
Insulation Resistance	MIN 1000MΩ			MIN 1000MΩ	
Contact Resistance	MAX 10mΩ			MAX 10mΩ	
Solder cup OD	Φ0.8			Φ0.8	

shell size	12 mm	25 mm
Contact No. view		
Contact No.	20	20
Test Voltage	AC300V for a minute	AC300V for a minute
Test Current	2A	2A
Insulation Resistance	MIN 1000MΩ	MIN 1000MΩ
Contact Resistance	MAX 10mΩ	MAX 10mΩ
Solder cup OD	Φ0.8	Φ0.8

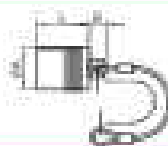
Note:

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

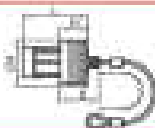
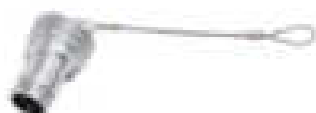
Receptacle PCB type pinout







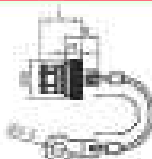
Reference		Dimensions(mm)			
Model	Series	A	B	L	N
TFG.0F01C.GSW-65	0F	9.8	4	12.5	65
TFG.1F01C.GSW-85	1F	12.0	4	15.5	85
TFG.AF01C.GSW-85	AF	12.5	4	14	85
TFG.2F01C.GSW-120	2F	15.6	4	15	120



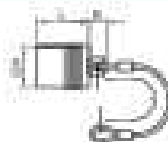
Reference		Dimensions(mm)				
Model	Series	A	B	L	M	N
ZFG.0F03C.GSW-60	0F	11	9.9	12.6	3	60
ZFG.1F03C.GSW-85	1F	14	12	19.9	6.4	85
ZFG.AF03C.GSW-100	AF	14.6	11.7	18.4	8.5	85
ZFG.2F03C.GSW-100	2F	16	11	19.2	7	85



Reference		Dimensions(mm)					
Model	Series	A	B	C	L	M	N
ZFG.0F01C.GSW.005-60	0F	13.5	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



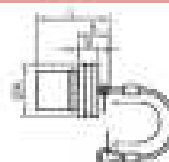
Reference		Dimensions(mm)				
Model	Series	A	B	L	M	N
ZFG.0B01C.GSW.007-85	0B-0B	10.0	9.0	10.5	4.5	85
ZFG.1B01C.GSW.007-85	1B-1B	14.0	9.5	12.5	5.0	85
ZFG.2B01C.GSW.007-85	2B-2B	18.0	12.0	14.0	6.0	85
ZFG.3B01C.GSW.007-120	3B-3B	22.0	14.0	18.0	8.0	120



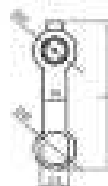
Reference		Dimensions(mm)			
Model	Series	A	B	L	N
TFG.0B01C.GSW-60	0B	10.6	4	10	60
TFG.1B01C.GSW-85	1B	12.0	4.5	12.2	85
TFG.2B01C.GSW-85	2B	15.0	5	13.8	85
TFG.3B01C.GSW-95	3B	18.5	5	18.5	95



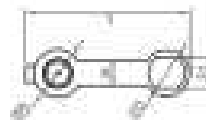
Reference		Dimensions(mm)			
Model	Series	A	B	L	N
TFG.0K01C.GSW-85	0K	14.0	6	12.5	85
TFG.1K01C.GSW-85	1K	16	5	15.5	85
TFG.2K01C.GSW-85	2K	19.5	5	17.5	85
TFG.3K01C.GSW-120	3K	23.0	6	22.0	120



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	40	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

Product model explanation:

Digital 8 : C means natural color - S means black color

Digital 11: W means natural color - H means black color

Example:

ZFG.0K01C.GSW-85 - ZFG 0K protective cap for panel socket, key 1, natural color

ZFG.0K01S.GSW-85 - ZFG 0K protective cap for panel socket, key 1, black color

Main characteristics

Material: TPU (Thermoplastic Polyurethane)

Temperature range in dry atmosphere: -50°C÷200°C



Shell Size	Cable Ø		Dimensions (mm)		Part Number
	min	max	A	L	
00	2.8	3.1	2.8	22	RM-GMA-0B-028-DN
	3.0	3.4	2.5	24	RM-GMA-0B-025-DN
0B	2.5	3.0	3.0	24	RM-GMA-0B-030-DN
0S	3.0	3.5	3.5	24	RM-GMA-0B-035-DN
0K	3.5	4.0	4.0	24	RM-GMA-0B-040-DN
0F	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
	5.0	5.5	5.0	36	RM-GMA-2B-050-DN
2B	6.0	6.5	6.0	36	RM-GMA-2B-060-DN
	7.0	7.7	7.0	36	RM-GMA-2B-070-DN
2K	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
	6.0	6.9	6.0	42	RM-GMA-3B-060-DN
3B	7.0	7.9	7.0	42	RM-GMA-3B-070-DN
	8.0	8.9	8.0	42	RM-GMA-3B-080-DN
3K	9.0	10.0	9.0	42	RM-GMA-3B-090-DN
	2.7	3.9	3.9	30	RM-GMA-1P-039-DG
1P	4.0	5.2	5.2	30	RM-GMA-1P-052-DG
	5.2	6.5	6.5	30	RM-GMA-1P-065-DG

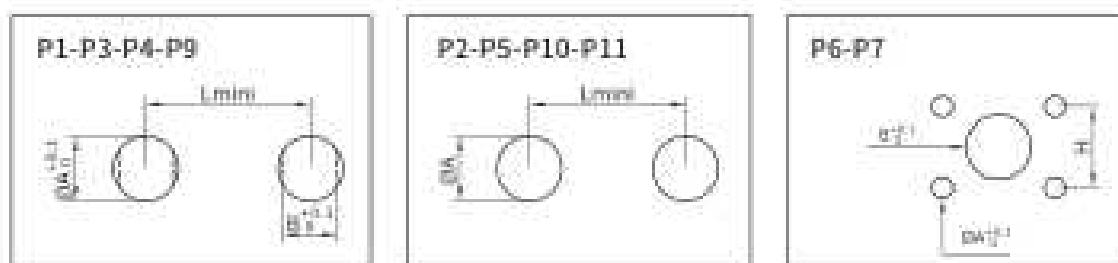
Note:

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 over RAYMO 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			P6			P10		
	ØA	B	L	ØA	B	L	ØA	B	L	ØA	B	L	ØA	B	L	ØA	B	L	ØA	B	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	26.0	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	P5
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

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	9.1	8.3	14.5	9.1	13.5	12.1	10.6	20.0	10.1	9.1	15.0	-	-	-	-	-	-	-	-
15	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
25	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	-	-	-	-	-
35	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	-	-	-	-	-

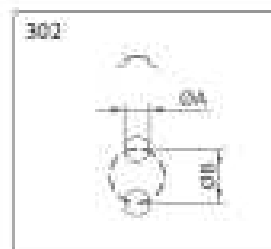
Cut-out types

Model	Type
ERG	P1
ERD	P1

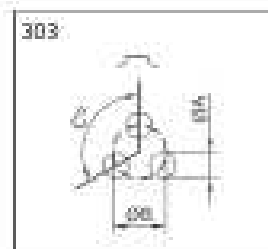
Mounting nut torque

Series	Torque(Nm)	
	Metal shell	Plastic shell
05	2.5	0.4
15	4.5	0.7
25	6.0	0.8
35	9.0	1.0

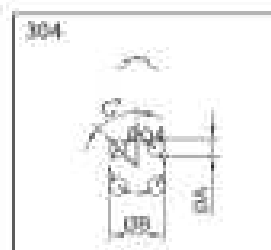
PCB drilling pattern
Fixed receptacle with straight print contact (RM-B-K series)



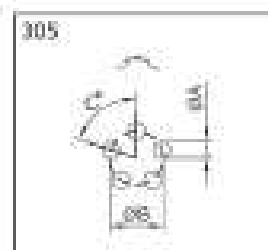
Series	Dimensions(mm)	
	A	B
00	0.6	1.2
0B-0K	0.8	2.2
1B-1K	0.8	2.8
2B-2K	0.8	4.4



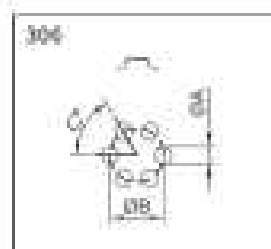
Series	Dimensions(mm)		
	A	B	C
00	0.6	1.35	120°
0B-0K	0.8	2.35	120°
1B-1K	0.8	3.00	120°
2B-2K	0.8	4.60	120°
3B-3K	0.8	5.60	120°



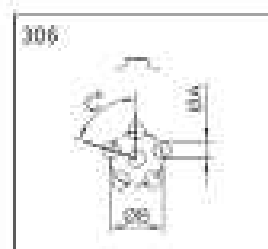
Series	Dimensions(mm)		
	A	B	C
00	0.6	1.6	45°
0B-0K	0.8	2.5	45°
1B-1K	0.8	3.1	45°
2B-2K	0.8	5.0	45°
3B-3K	0.8	6.2	45°



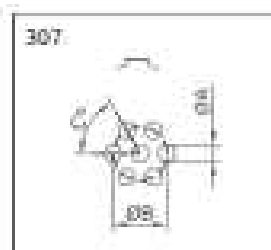
Series	Dimensions(mm)		
	A	B	C
0B-0K	0.6	2.8	72°
1B-1K	0.8	3.4	72°
2B-2K	0.8	5.2	72°
3B-3K	0.8	6.7	72°



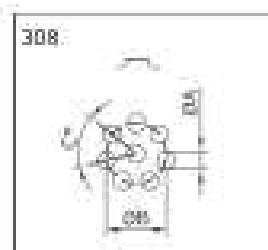
Series	Dimensions(mm)		
	A	B	C
0B-0K	0.6	3.0	60°
1B-1K	0.8	3.7	60°



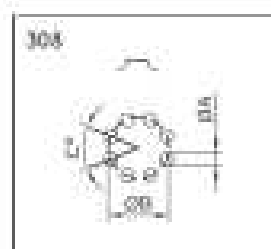
Series	Dimensions(mm)		
	A	B	C
2B-2K	0.8	5.6	72°
3B-3K	0.8	7.1	72°



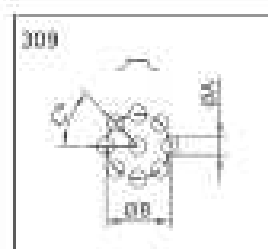
Series	Dimensions(mm)		
	A	B	C
0B-0K	0.6	3.0	60°
1B-1K	0.8	3.7	60°
2B-2K	0.8	5.8	60°
3B-3K	0.8	7.08	60°



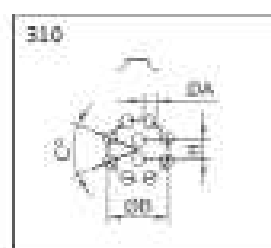
Series	Dimensions(mm)		
	A	B	C
1B-1K	0.8	3.8	51°26'



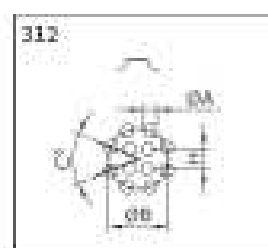
Series	Dimensions(mm)		
	A	B	C
2B-2K	0.8	6.4	45°
3B-3K	0.8	7.5	45°



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



Series	Dimensions(mm)			
	A	B	C	H
1B-1K	0.6	3.98	45°	1.40
2B-2K	0.8	6.2	45°	2.15
3B-3K	0.8	7.9	45°	2.80

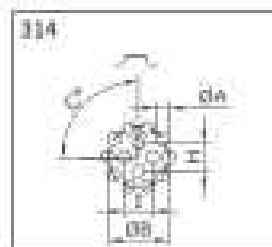


Series	Dimensions(mm)			
	A	B	C	H
2B-2K	0.8	6.5	45°	2.80
3B-3K	0.8	8.2	45°	3.40

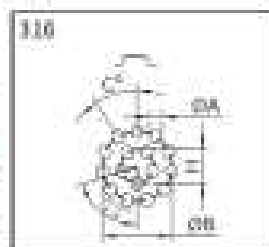
RM

PCB drilling pattern

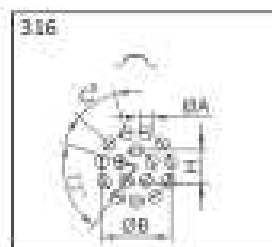
Fixed receptacle with straight print contact (B-K series)



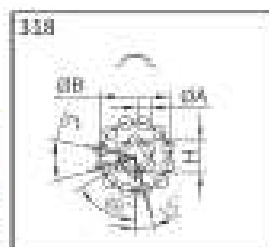
Series	Dimensions(mm)				
	A	B	C	D	E
1B-1K	0.6	4.4	90°	1.90	1.60
2B-2K	0.8	6.5	90°	2.45	2.65
3B-3K	0.8	8.2	90°	3.40	3.40



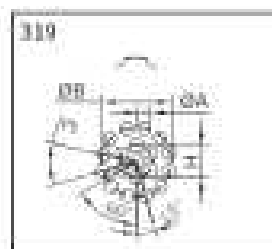
Series	Dimensions(mm)				
	A	B	C	D	E
1B-1K	0.6	4.4	32°44'	2.0	



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



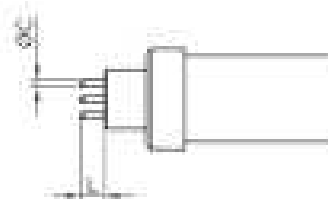
Series	Dimensions(mm)				
	A	B	C	D	E
2B-2K	0.8	6.7	30°	3.5	
3B-3K	0.8	8.4	30°	4.34	



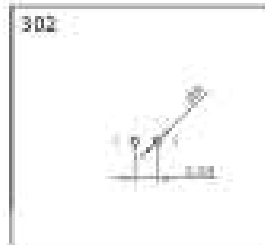
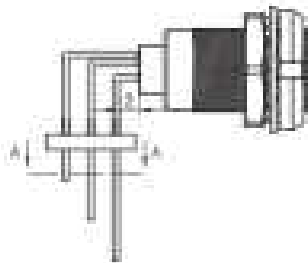
Series	Dimensions(mm)				
	A	B	C	D	E
2B-2K	0.8	6.7	30°	3.50	

Length of straight print contacts (for receptacle)

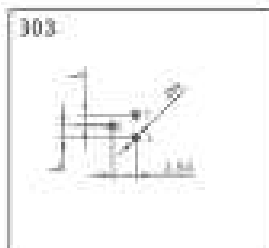
Series	Contact No.	Dimensions(mm)	
		ØC	L
00	302	0.5	3.0
	302	0.5	3.0
	302	0.5	3.0
0B 0K	302/303	0.7	3.2
	304/305	0.5	3.2
	306/307/309	0.5	3.2
1B 1K	301/303/303/304/305	0.7	3.0
	306/307/308	0.7	3.0
	310/314/316	0.5	4.0
2B 2K	302/303/304/305/306/307	0.7	3.0
	308/310/314/316/318/319	0.7	3.0
	326/332	0.5	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	3.0



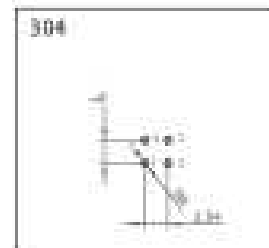
PCB drilling pattern
Fixed receptacle with straight print contact (B-K series)



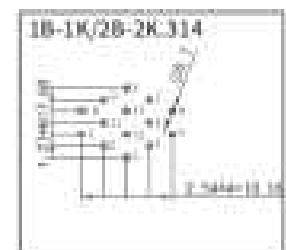
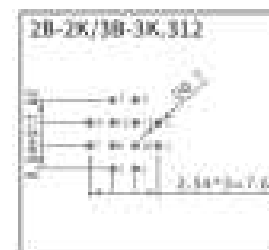
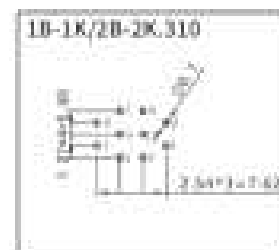
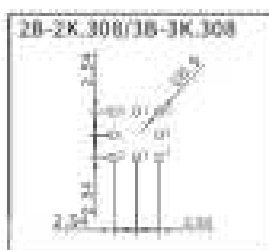
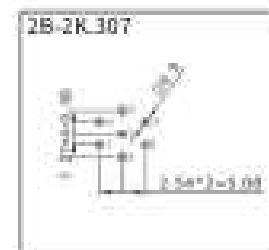
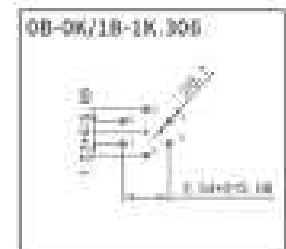
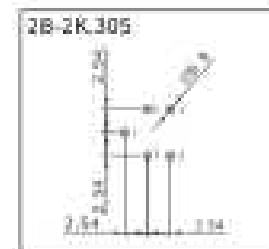
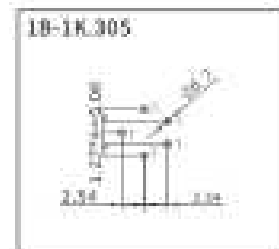
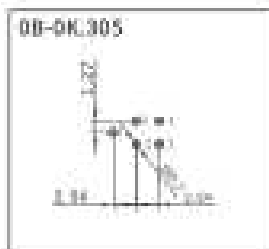
Series	Dimensions (mm)	
	A	
00	0.6	
00-0K	0.7	
10-1K	0.9	
20-2K	0.9	



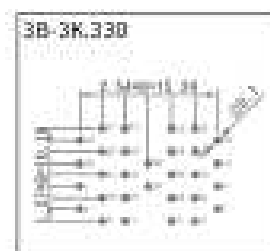
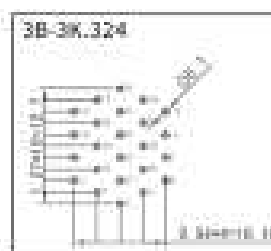
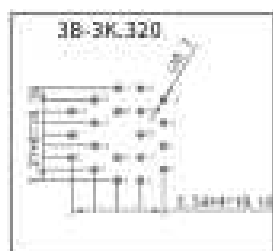
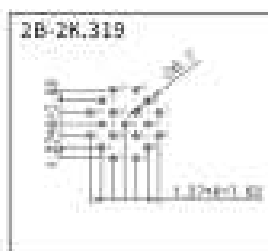
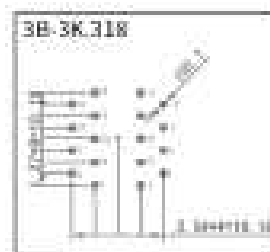
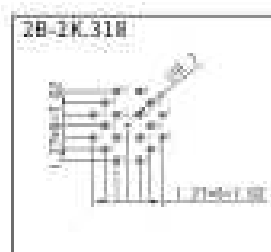
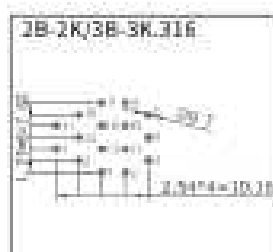
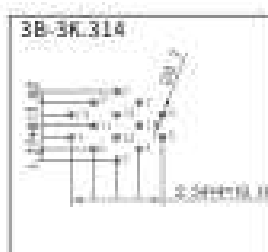
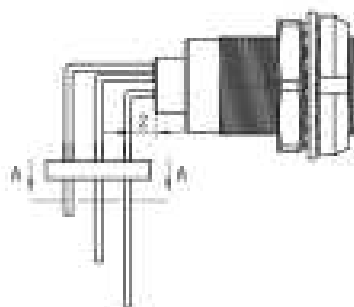
Series	Dimensions (mm)	
	A	L
00	0.6	1.27
00-0K	0.7	1.27
10-1K	0.9	1.27
20-2K	0.9	2.54



Series	Dimensions (mm)	
	A	L
00	0.6	2.54
00-0K	0.7	2.54
20-2K	0.7	2.54
30-3K	0.9	3.50



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

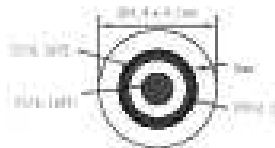




Cable

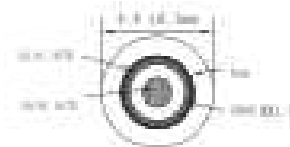


FC.PUR.N01.1802



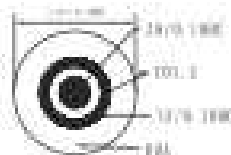
SPECIFICATION	FC.PUR.N01.1802-18/16 AWG (20/16 AWG) and gold-plated 40°C available	
CONDUCTOR	SIZE	0.25 mm (0.25 mm)
	SPECIFICATION MATERIAL	Tin-Coated Copper
	CONSTRUCTION	6/10/14/18
INSULATION	AVG. THICK	0.18 mm
	MIN. THICK	0.15 mm
	DIAMETER	4.0 ± 0.1 mm
SHIELDED	MATERIAL	PP
	CONSTRUCTION	100/120/140/160
	COLOR	white
JACKET	MATERIAL	Tin-Coated Copper
	CONSTRUCTION	100/120/140/160
	COLOR	black
MARKING	no letter printed on the cable surface	

FC.PUR.N01.2001



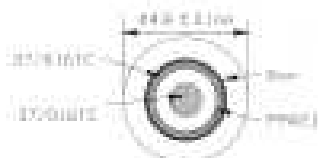
SPECIFICATION	FC.PUR.N01.2001-20/16 AWG (20/16 AWG) and gold-plated 40°C available	
CONDUCTOR	SIZE	0.25 mm
	SPECIFICATION MATERIAL	Tin-Coated Copper
	CONSTRUCTION	6/10/14/18
INSULATION	AVG. THICK	0.18 mm
	MIN. THICK	0.15 mm
	DIAMETER	4.0 ± 0.1 mm
SHIELDED	MATERIAL	PP
	CONSTRUCTION	100/120/140/160
	COLOR	white
JACKET	MATERIAL	Tin-Coated Copper
	CONSTRUCTION	100/120/140/160
	COLOR	black
MARKING	no letter printed on the cable surface	

FC.PUR.N01.2601



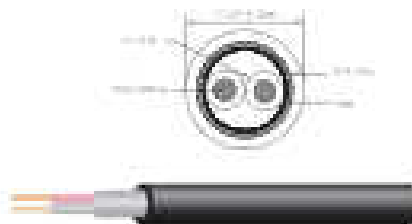
SPECIFICATION	FC.PUR.N01.2601-20/16 AWG (20/16 AWG) and gold-plated 40°C available	
CONDUCTOR	SIZE	0.25 mm
	SPECIFICATION MATERIAL	Tin-Coated Copper
	CONSTRUCTION	6/10/14/18
INSULATION	AVG. THICK	0.18 mm
	MIN. THICK	0.15 mm
	DIAMETER	4.0 ± 0.1 mm
SHIELDED	MATERIAL	PP
	CONSTRUCTION	100/120/140/160
	COLOR	white
JACKET	MATERIAL	Tin-Coated Copper
	CONSTRUCTION	100/120/140/160
	COLOR	black
MARKING	no letter printed on the cable surface	

FC.PUR.N01.0301



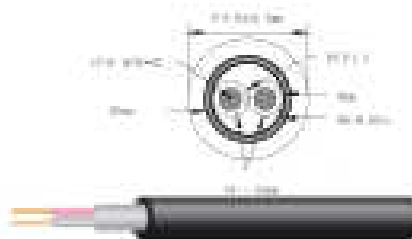
SPECIFICATION	FC.PUR.N01.0301-20/16 AWG (20/16 AWG) and gold-plated 40°C available	
CONDUCTOR	SIZE	0.25 mm
	SPECIFICATION MATERIAL	Tin-Coated Copper
	CONSTRUCTION	6/10/14/18
INSULATION	AVG. THICK	0.18 mm
	MIN. THICK	0.15 mm
	DIAMETER	4.0 ± 0.1 mm
SHIELDED	MATERIAL	PP
	CONSTRUCTION	100/120/140/160
	COLOR	white
JACKET	MATERIAL	Tin-Coated Copper
	CONSTRUCTION	100/120/140/160
	COLOR	black
MARKING	no letter printed on the cable surface	

FC.PUR.N02.1701



SPECIFICATION	W2000S 18T100 2*AL 180MMx180MM W2E Anyting 180x100 2*AL 180MMx180MM	
CONDUCTOR	SIZE	1.8mm ²
	SPECIFICATION MATERIAL	Tin-Coated Copper
	CONSTRUCTION	40/0.18mm ²
INSULATION	COLOR	See table
	AVG. THICK	0.400mm
	MIN. THICK	0.400mm
	DIAMETER	0.75mm
	MATERIAL	PC (ultra-clear)
SHIELD	COLOR	red/black
	MATERIAL	Tin-Coated Copper
	CONSTRUCTION	0.15mm ² (1.0T) ± 0.1
JACKET	AVG. THICK	0.800mm
	MIN. THICK	0.800mm
	DIAMETER	1.8mm ± 0.1
	MATERIAL	85A PU color good 40°C PU
MARKING	COLOR	red/black color
	no letter printed on the cable surface	

FC.PUR.N02.2201



SPECIFICATION	W2117 1.8 18T100 2*AL 180MMx180MM W2E Anyting 180x100 2*AL 180MMx180MM	
CONDUCTOR	SIZE	1.8mm ²
	SPECIFICATION MATERIAL	Tin-Coated Copper
	CONSTRUCTION	40/0.18mm ²
INSULATION	COLOR	See table
	AVG. THICK	0.400mm
	MIN. THICK	0.400mm
	DIAMETER	0.75mm ± 0.1
	MATERIAL	PC
SHIELD	COLOR	white/green
	MATERIAL	Tin-Coated Copper
	CONSTRUCTION	Al-180x180MM 18T100
JACKET	AVG. THICK	1.400mm
	MIN. THICK	1.400mm
	DIAMETER	0.8mm ± 0.1
	MATERIAL	85A PU color good 40°C PU
MARKING	COLOR	red/black color
	no letter printed on the cable surface	

FC.PUR.N03.1802



SPECIFICATION	W2117 1.8 18T100 2*AL 180MMx180MM W2E Anyting 180x100 2*AL 180MMx180MM	
CONDUCTOR	SIZE	1.8mm ² (1.0T)
	SPECIFICATION MATERIAL	Red copper
	CONSTRUCTION	40/0.18mm ² (1.0T)
INSULATION	COLOR	See table
	AVG. THICK	0.400mm
	MIN. THICK	0.400mm
	DIAMETER	0.75mm
	MATERIAL	PC color transparent
SHIELD	COLOR	red/black color
	MATERIAL	Tin-Coated copper
	CONSTRUCTION	Al-180x180MM 18T100
JACKET	AVG. THICK	0.800mm
	MIN. THICK	0.800mm
	DIAMETER	1.8mm ± 0.1
	MATERIAL	85A PU color good 40°C PU
MARKING	COLOR	red/black color
	no letter printed on the cable surface	

FC.HPU.N03.2401



SPECIFICATION	W2117 1.8 18T100 2*AL 180MMx180MM W2E Anyting 180x100 2*AL 180MMx180MM	
CONDUCTOR	SIZE	1.8mm ² (1.0T)
	SPECIFICATION MATERIAL	Tin-Coated Copper
	CONSTRUCTION	40/0.18mm ² (1.0T)
INSULATION	COLOR	See table
	AVG. THICK	0.400mm
	MIN. THICK	0.400mm
	DIAMETER	0.75mm ± 0.1
	MATERIAL	TPC color transparent
SHIELD	COLOR	black/white/blue
	MATERIAL	Tin-Coated Copper
	CONSTRUCTION	0.15mm ² (1.0T) (1.0T) (1.0T)
JACKET	AVG. THICK	0.800mm
	MIN. THICK	0.800mm
	DIAMETER	1.8mm ± 0.1
	MATERIAL	85A PU color transparent high-temperature resistant 120°C 180°C
MARKING	COLOR	red/black color
	no letter printed on the cable surface	

FC.PUR.N04.2401



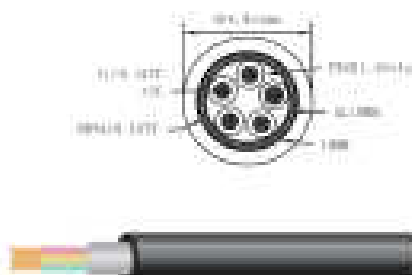
SPECIFICATION	RAYMO N04.2401 cable specifications green for a maximum of 1000 cycles at 40°C in black	
CONDUCTOR	SIZE	14 AWG
	SPECIFICATION MATERIAL	Tin-Coated Copper
	CONSTRUCTION	4/12/5/19
INSULATION	COLOR	Blue colour
	AWG - THICK	0.140 mm
	MM - THICK	0.119 mm
	DIAMETER	0.12 mm ± 0.05
SHIELDED	MATERIAL	PE
	COLOR	red yellow black green
	CONSTRUCTION	Asymmetrically twisted
JACKET	AWG - THICK	0.80 mm
	MM - THICK	0.77 mm
	DIAMETER	4.8 mm ± 0.1
	MATERIAL	90A PU (ultraplast-90T)
MARKING	COLOR	black colour
	no letter printed on the cable surface	

FC.PUR.N04.2426



SPECIFICATION	RAYMO N04.2426 cable specifications red for a maximum of 1000 cycles at 40°C in black	
CONDUCTOR	SIZE	14 AWG & 16 AWG
	SPECIFICATION MATERIAL	Tin-Coated Copper
	CONSTRUCTION	2/26&11/9 12
INSULATION	COLOR	Red colour
	AWG - THICK	0.141 mm
	MM - THICK	0.127 mm
	DIAMETER	0.12 mm ± 0.1 mm ± 0.05
SHIELDED	MATERIAL	PE
	COLOR	white grey & red black
	MATERIAL	Al-Tin Coated Copper
JACKET	CONSTRUCTION	Stranded 14/15/16/17/18
	AWG - THICK	0.80 mm
	MM - THICK	0.77 mm
	DIAMETER	4.8 mm ± 0.1
MARKING	MATERIAL	90A PU (ultraplast-90T) PU black
	COLOR	red black colour
MARKING	no letter printed on the cable surface	

FC.PUR.N05.2401



SPECIFICATION	RAYMO N05.2401 cable specifications green for a maximum of 1000 cycles at 40°C in black	
CONDUCTOR	SIZE	14 AWG
	SPECIFICATION MATERIAL	Tin-Coated Copper
	CONSTRUCTION	4/12/5/19
INSULATION	COLOR	Blue colour
	AWG - THICK	0.140 mm
	MM - THICK	0.119 mm
	DIAMETER	0.12 mm ± 0.05
SHIELDED	MATERIAL	PE
	COLOR	red black white blue green
	MATERIAL	Tin-Coated Copper
JACKET	CONSTRUCTION	Stranded 14/15/16/17/18
	AWG - THICK	0.77 mm
	MM - THICK	0.77 mm
	DIAMETER	4.8 mm ± 0.1
MARKING	MATERIAL	90A PU (ultraplast-90T) PU black
	COLOR	red black colour
MARKING	no letter printed on the cable surface	

FC.PUR.N05.2426



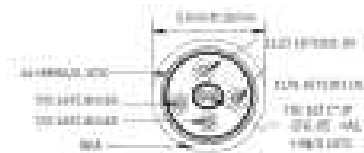
SPECIFICATION	RAYMO N05.2426 cable specifications red for a maximum of 1000 cycles at 40°C in black	
CONDUCTOR	SIZE	14 AWG & 16 AWG
	SPECIFICATION MATERIAL	TA
	CONSTRUCTION	11/19 26&11/9 12
INSULATION	STRAINED LAY	STRAINED LAY
	DIAMETER	0.12 mm ± 0.05
	MATERIAL	90A PU
	COLOR	Black red green blue white
STRAINED	STRAINED LAY	0.12 mm
	AL-POLYMER SPECIFICATION	0.12 mm
	CONSTRUCTION	Stranded 14/15/16/17/18
SHIELDED	SHIELDING MATERIAL	TA/12/13/14/15/16/17/18
	COTTON FIBER MATERIAL	0.12 mm
	DIAMETER	4.8 mm ± 0.1
JACKET	MATERIAL	PU (ULTRAPLAST) 90A PU black
	COLOR	red black colour
MARKING	no letter printed on the cable surface	

FC.PUR.N06.2001



DESCRIPTION	FC.PUR.N06.2001 cable is made of PVC jacket and PVC insulation. It is a 6-core cable with 6 conductors.	
CONDUCTOR	SIZE	6.3mm
	SPECIFICATION MATERIAL	TN
	CONSTRUCTION	6/0.25mm
INSULATION	DIAMETER	6.1mm
	MATERIAL	PE
	COLOR	black
STRANDED	DIAMETER	0.25mm
	CONSTRUCTION	6/0.25mm
	OVERLAP RATE	100%
JACKET	DIAMETER	10.0mm
	MATERIAL	PVC
	COLOR	black
MARKING	no letter printed on the cable surface	

FC.PUR.N06.2425-1



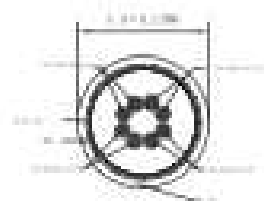
DESCRIPTION	FC.PUR.N06.2425-1 cable is made of PVC jacket and PVC insulation. It is a 6-core cable with 6 conductors.	
CONDUCTOR	SIZE	6.3mm
	SPECIFICATION MATERIAL	TN
	CONSTRUCTION	6/0.25mm
INSULATION	DIAMETER	6.1mm
	MATERIAL	PE
	COLOR	black
STRANDED	DIAMETER	0.25mm
	CONSTRUCTION	6/0.25mm
	OVERLAP RATE	100%
JACKET	DIAMETER	10.0mm
	MATERIAL	PVC
	COLOR	black
MARKING	no letter printed on the cable surface	

FC.PUR.N07.2801



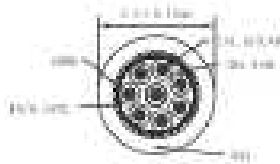
DESCRIPTION	FC.PUR.N07.2801 cable is made of PVC jacket and PVC insulation. It is a 6-core cable with 6 conductors.	
CONDUCTOR	SIZE	6.3mm
	SPECIFICATION MATERIAL	TN
	CONSTRUCTION	6/0.25mm
INSULATION	DIAMETER	6.1mm
	MATERIAL	PE
	COLOR	black
STRANDED	DIAMETER	0.25mm
	CONSTRUCTION	6/0.25mm
	OVERLAP RATE	100%
JACKET	DIAMETER	10.0mm
	MATERIAL	PVC
	COLOR	black
MARKING	no letter printed on the cable surface	

FC.PUR.N08.2603



DESCRIPTION	FC.PUR.N08.2603 cable is made of PVC jacket and PVC insulation. It is a 6-core cable with 6 conductors.	
CONDUCTOR	SIZE	6.3mm
	SPECIFICATION MATERIAL	TN
	CONSTRUCTION	6/0.25mm
INSULATION	DIAMETER	6.1mm
	MATERIAL	PE
	COLOR	black
STRANDED	DIAMETER	0.25mm
	CONSTRUCTION	6/0.25mm
	OVERLAP RATE	100%
JACKET	DIAMETER	10.0mm
	MATERIAL	PVC
	COLOR	black
MARKING	no letter printed on the cable surface	

FC.PUR.N08.2601



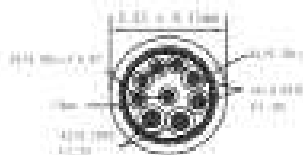
SPECIFICATION		FC.PUR.N08.2601 cable (FC.PUR.N08.2601 cable)
CONDUCTOR	SIZE	26AWG
	SPECIFICATION MATERIAL	Two-Coated copper
	CONSTRUCTION	14/0.12
INSULATION	COLOR	Black-yellow
	AWG THICK	0.12mm
	MM THICK	0.305mm
	DIA THICK	0.305mm
SHIELDED	MATERIAL	PE
	COLOR	White-black-purple-grey-orange for each color yellow
	CONSTRUCTION	4/1.6mm (100% braid)
JACKET	AWG THICK	1.0mm
	MM THICK	0.812mm
	DIA THICK	0.812mm
	MATERIAL	Black-powd-40% PU cable
MARKING	COLOR	Black
	TEXT	no letter printed on the cable surface

FC.PUR.N09.2628



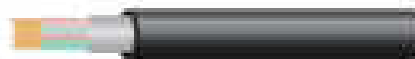
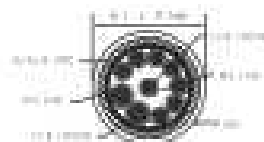
SPECIFICATION		FC.PUR.N09.2628 cable (FC.PUR.N09.2628 cable)
CONDUCTOR	SIZE	26AWG (17/0.12mm)
	SPECIFICATION MATERIAL	Two-Coated copper
	CONSTRUCTION	14/0.12 & 2/0.12
INSULATION	COLOR	Black-yellow
	AWG THICK	0.12mm
	MM THICK	0.305mm
	DIA THICK	0.305mm
SHIELDED	MATERIAL	PE
	COLOR	White-black-purple-grey-orange for each color yellow
	CONSTRUCTION	14mm (100% braid)
JACKET	AWG THICK	0.8mm
	MM THICK	0.812mm
	DIA THICK	0.812mm
	MATERIAL	Black-powd-40% PU cable
MARKING	COLOR	Black
	TEXT	no letter printed on the cable surface

FC.PUR.N09.2226



SPECIFICATION		FC.PUR.N09.2226 cable (FC.PUR.N09.2226 cable)
CONDUCTOR	SIZE	26AWG (17/0.12mm)
	SPECIFICATION MATERIAL	Two-Coated copper
	CONSTRUCTION	14/0.12 & 2/0.12
INSULATION	COLOR	Black-yellow
	AWG THICK	0.12mm
	MM THICK	0.305mm
	DIA THICK	0.305mm
SHIELDED	MATERIAL	PE
	COLOR	White-black-purple-grey-orange for each color yellow
	CONSTRUCTION	4/1.6mm (100% braid)
JACKET	AWG THICK	0.8mm
	MM THICK	0.812mm
	DIA THICK	0.812mm
	MATERIAL	Black-powd-40% PU cable
MARKING	COLOR	Black
	TEXT	no letter printed on the cable surface

FC.PUR.N10.2224



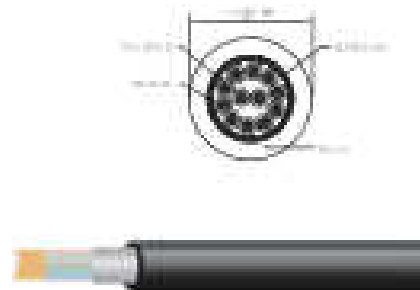
SPECIFICATION		FC.PUR.N10.2224 cable (FC.PUR.N10.2224 cable)
CONDUCTOR	SIZE	26AWG (17/0.12mm)
	SPECIFICATION MATERIAL	Two-Coated copper
	CONSTRUCTION	14/0.12 & 2/0.12
INSULATION	COLOR	Black-yellow
	AWG THICK	0.12mm
	MM THICK	0.305mm
	DIA THICK	0.305mm
SHIELDED	MATERIAL	PE
	COLOR	White-black-purple-grey-orange for each color yellow
	CONSTRUCTION	4/1.6mm (100% braid)
JACKET	AWG THICK	0.8mm
	MM THICK	0.812mm
	DIA THICK	0.812mm
	MATERIAL	Black-powd-40% PU cable
MARKING	COLOR	Black
	TEXT	no letter printed on the cable surface

FC.PUR.N10.2681



SPECIFICATION	FC.PUR.N10.2681 (4x1.5mm²) 100m cable	
CONDUCTOR	SIZE	17/8 (4mm²)
	SPECIFICATION MATERIAL	Tin-Plated copper
	CONSTRUCTION	17/8 (4mm²)
INSULATION	AVG. THICK	0.25mm
	MIN. THICK	0.25mm
	DIAMETER	11.50±0.05mm
SHIELDED	MATERIAL	PE
	CONSTRUCTION	17/8 (4mm²)
	DIAMETER	11.50±0.05mm
JACKET	MATERIAL	polypropylene (PP) cable
	CONSTRUCTION	17/8 (4mm²)
	COLOR	red/black color
MARKING	no letter printed on the cable surface	

FC.PVC.N12.2801



SPECIFICATION	FC.PVC.N12.2801 (4x1.5mm²) 100m cable	
CONDUCTOR	SIZE	17/8 (4mm²)
	SPECIFICATION MATERIAL	Tin-Plated copper
	CONSTRUCTION	17/8 (4mm²)
INSULATION	AVG. THICK	0.25mm
	MIN. THICK	0.25mm
	DIAMETER	11.50±0.05mm
SHIELDED	MATERIAL	PE
	CONSTRUCTION	17/8 (4mm²)
	DIAMETER	11.50±0.05mm
JACKET	MATERIAL	polypropylene (PP) cable
	CONSTRUCTION	17/8 (4mm²)
	COLOR	red/black color
MARKING	no letter printed on the cable surface	

FC.PUR.N13.2681



SPECIFICATION	FC.PUR.N13.2681 (4x1.5mm²) 100m cable	
CONDUCTOR	SIZE	17/8 (4mm²)
	SPECIFICATION MATERIAL	PE
	CONSTRUCTION	17/8 (4mm²)
INSULATION	AVG. THICK	0.25mm
	MIN. THICK	0.25mm
	DIAMETER	11.50±0.05mm
SHIELDED	MATERIAL	PE
	CONSTRUCTION	17/8 (4mm²)
	DIAMETER	11.50±0.05mm
JACKET	MATERIAL	polypropylene (PP) cable
	CONSTRUCTION	17/8 (4mm²)
	COLOR	red/black color
MARKING	no letter printed on the cable surface	

FC.PUR.N14.2428-T



SPECIFICATION	FC.PUR.N14.2428-T (4x1.5mm²) 100m cable	
CONDUCTOR	SIZE	17/8 (4mm²)
	SPECIFICATION MATERIAL	Tin-Plated copper
	CONSTRUCTION	17/8 (4mm²)
INSULATION	AVG. THICK	0.25mm
	MIN. THICK	0.25mm
	DIAMETER	11.50±0.05mm
SHIELDED	MATERIAL	PE
	CONSTRUCTION	17/8 (4mm²)
	DIAMETER	11.50±0.05mm
JACKET	MATERIAL	polypropylene (PP) cable
	CONSTRUCTION	17/8 (4mm²)
	COLOR	red/black color
MARKING	no letter printed on the cable surface	

FC.PUR.N15.2401



SPECIFICATION		
CONDUCTOR	SIZE	12x0.15mm
	CONSTRUCTION	Twisted copper
	COLOR	Black
INSULATION	SIZE	0.15mm
	THICK	0.15mm
	MATERIAL	PE
SHIELD	MATERIAL	Twisted copper
	CONSTRUCTION	12x0.15mm, 12x0.15mm
	COLOR	Black
JACKET	SIZE	12.5mm
	THICK	0.5mm
	MATERIAL	PE
MARKING	COLOR	Black
	TEXT	no letter printed on the cable surface

FC.PUR.N15.3801-T



SPECIFICATION		
CONDUCTOR	SIZE	12x0.15mm
	CONSTRUCTION	Twisted copper
	COLOR	Black
INSULATION	SIZE	0.15mm
	THICK	0.15mm
	MATERIAL	PE
SHIELD	MATERIAL	Twisted copper
	CONSTRUCTION	12x0.15mm, 12x0.15mm
	COLOR	Black
JACKET	SIZE	12.5mm
	THICK	0.5mm
MARKING	COLOR	Black
	TEXT	no letter printed on the cable surface

FC.TPU.N16.1401



SPECIFICATION		
CONDUCTOR	SIZE	12x0.15mm
	CONSTRUCTION	Twisted copper
	COLOR	Black
INSULATION	SIZE	0.15mm
	THICK	0.15mm
	MATERIAL	PE
SHIELD	MATERIAL	Twisted copper
	CONSTRUCTION	12x0.15mm, 12x0.15mm
	COLOR	Black
JACKET	SIZE	12.5mm
	THICK	0.5mm
MARKING	COLOR	Black
	TEXT	no letter printed on the cable surface

FC.PUR.N19.2428-S



SPECIFICATION		
CONDUCTOR	SIZE	12x0.15mm
	CONSTRUCTION	Twisted copper
	COLOR	Black
INSULATION	SIZE	0.15mm
	THICK	0.15mm
	MATERIAL	PE
SHIELD	MATERIAL	Twisted copper
	CONSTRUCTION	12x0.15mm, 12x0.15mm
	COLOR	Black
JACKET	SIZE	12.5mm
	THICK	0.5mm
MARKING	COLOR	Black
	TEXT	no letter printed on the cable surface

FC, PUR, N30, 3001-T



SPECIFICATION	BT 014P10A-AL13E12P10A-0210A-AL10B01PU-01130A-cable
CONDUCTOR	SIZE 4 x 0.50mm ² (19 AWG) (19 AWG) (19 AWG)
	CONSTRUCTION 19/0.50mm ² (19 AWG) (19 AWG) (19 AWG)
	COLOR BLACK/TA
INSULATION	DIMETER 1.00mm (0.0394") (0.0394") (0.0394")
	MATERIAL PE/PP/PC/TE-PE
	COLOR BLACK/TA
SHIELDED	MATERIAL TA
	CONSTRUCTION 19/0.50mm ²
JACKET	DIMETER 3.00mm (0.1181") (0.1181") (0.1181")
	MATERIAL PU-01100A
	COLOR BLACK/TA
MARKING	in a letter printed on the cable surface

FC, PUR, N32, 2830-T



SPECIFICATION	BT 014P10A-AL13E12P10A-0210A-AL10B01PU-01130A-cable
CONDUCTOR	SIZE 19/0.50mm ² (19 AWG) (19 AWG) (19 AWG)
	CONSTRUCTION 19/0.50mm ² (19 AWG) (19 AWG) (19 AWG)
	COLOR TA
INSULATION	DIMETER 1.00mm (0.0394") (0.0394") (0.0394")
	MATERIAL PE/PP/PC/TE-PE
	COLOR BLACK/TA
SHIELDED	MATERIAL TA
	CONSTRUCTION 19/0.50mm ²
JACKET	DIMETER 3.00mm (0.1181") (0.1181") (0.1181")
	MATERIAL PU-01100A
	COLOR BLACK/TA
MARKING	in a 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 RESUSIT 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



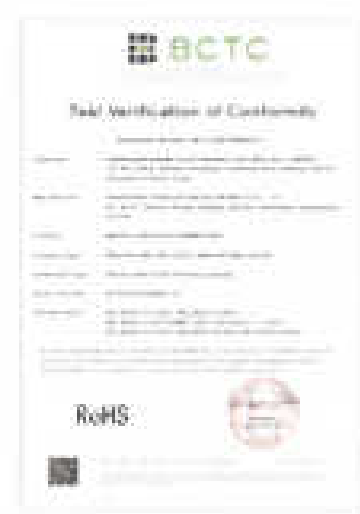
ISO9001:2015



Management System Certificate



CE



ROHS3.0



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