raymo
circular connector

PRODUCTS CATALOG

Professional Circular Connector Manufacturer
Cable Assembly Solutions Experts

RAYMO ELECTRONICS TECHNOLOGY LIMITED

www.raymoconnectors.com

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-qualifed 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 ISO:9001-2015 SGS REACH

Building

Office

R&D

Production Deparment

Cable Warehouse

Warehouse

CNC Department

Over-Mold Department

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RM-W Series

RM-M Series

RM-S Series

RM-P Series

RM-H Series

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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

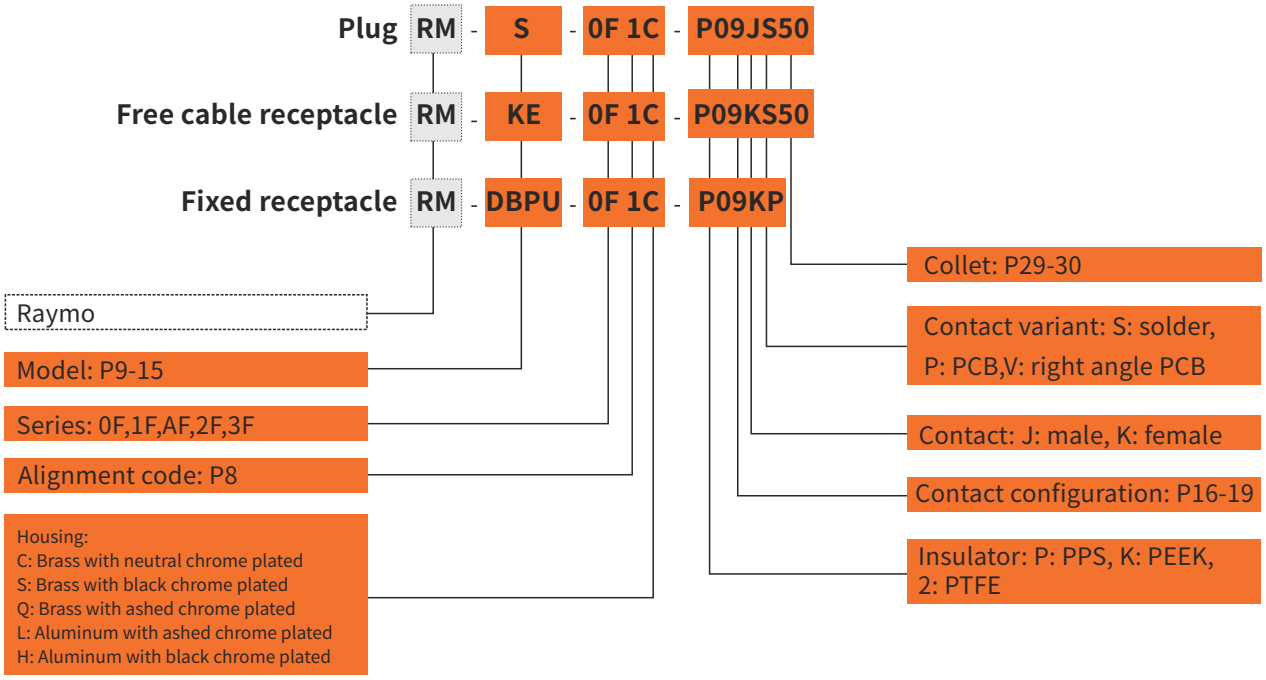
KSE/KS

PGX

DKBE

DKE

Part Numbering System



Part No.Example

Straight plug with cable collet

RM-S-0F1C-P09S50Z= 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.

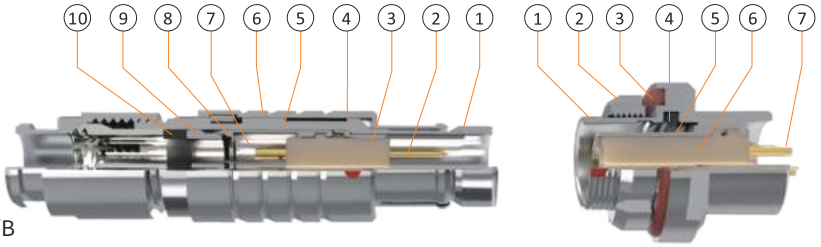
Fixed receptacle

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

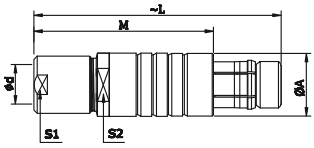
Electrical

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

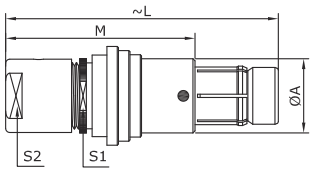
Code 1 is standard, if for other codes, please specify.

1 2 3



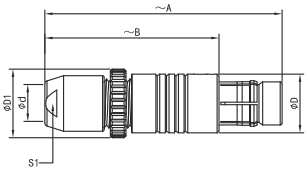
RM-S/SC Cable Mount Plug

Reference		Dimensions(mm)						
Model	Series	A	M	L	d max shielded clamp	d max sealed clamp	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



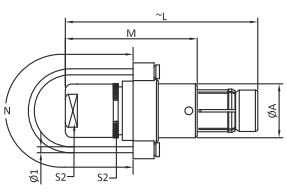
RM-SS/SSC Cable Mount Short Plug

Reference		Dimensions(mm)						
Model	Series	A	L	M	d max shielded clamp	d max sealed clamp	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



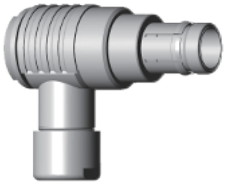
RM-SV Screw locking tamperproof straight plug

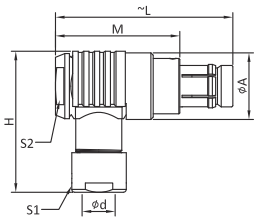
Reference		Dimensions(mm)						
Model	Series	A	B	D	d max shielded clamp	d max sealed clamp	S1	D1
RM-FSV	0F	38	27.9	9.4	4.7	4.3	8	11



RM-FS7 Cable Mount Plug with lanyard

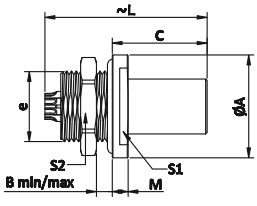
Reference		Dimensions(mm)							
Model	Series	A	L	M	N	d max shielded clamp	d max sealed clamp	S1	S2
RM-FS7	0F	9	33	23	60	4.7	4.3	8	8
RM-FS7	1F	12	37	26	80	6.7	6.2	11	12
RM-FS7	AF	12.3	40	30	80	7.2	6.7	11.5	12
RM-FS7	2F	15	43	31	100	8.7	8.7	13	13





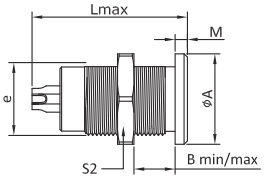
RM-WSO Elbow Right-angle Cable Mount Plug

Reference		Dimensions(mm)							
Model	Series	A	L	M	H	d max shielded clamp	d max sealed clamp	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



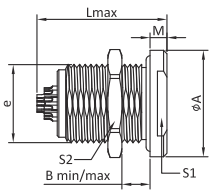
RM-SFE/SFU Fixed Sealed Panel Mount Plug

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



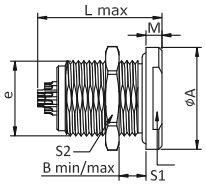
RM-D Panel Mount Receptacle

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



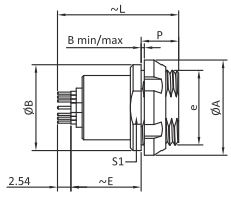
RM-DEE Hermetic Panel Mount Receptacle, Nut fixing

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



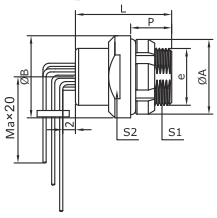
RM-DEU Sealed Panel Mount Receptacle, Nut fixing

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



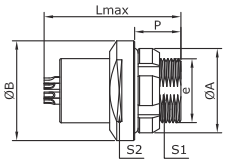
RM-DBP Fixed Panel Mount Receptacle

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



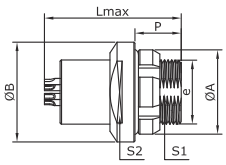
RM-DBPC Panel Mount Receptacle, in elbow 90° pcb type

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



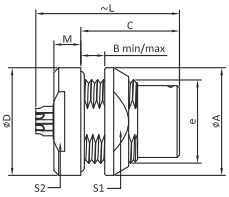
RM-DBPE Hermetic Panel Mount Receptacle

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



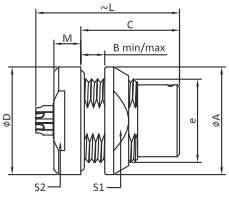
RM-DBPU Sealed Panel Mount Receptacle

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



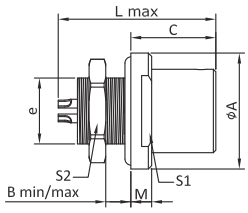
RM-DBPLE Fixed Front Hermetic Mount Receptacle

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



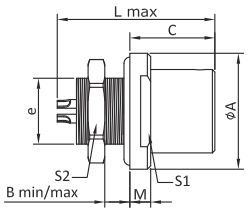
RM-DBPLU Fixed Sealed Front Mount Receptacle

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



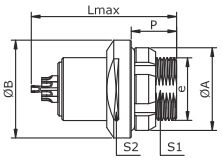
RM-DBEE Front Hermetic Panel Mount Receptacle

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



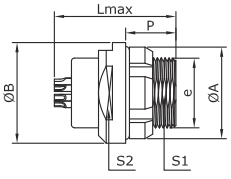
RM-DBEU Sealed Front Panel Mount Receptacle

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



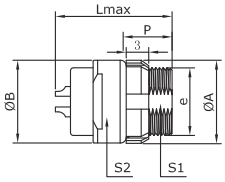
RM-FG9 Sealed Panel Mount Receptacle

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



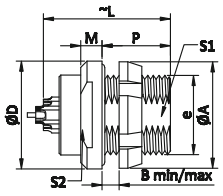
RM-FGX Sealed Panel Mount Receptacle only for 0F series

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



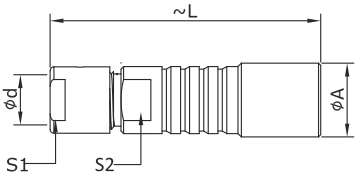
RM-FGD Panel Mount Receptacle, nut fixing

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



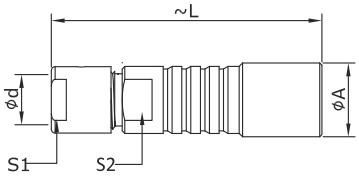
RM-FGS Back panel fixed receptacle, waterproof

Reference		Dimensions(mm)								
Model	Series	A	B	e	D	L	P	M	S1	S2
RM-FGS	AF	18	0/8	M14*0.5	19	23.1	12	3.7	12	15



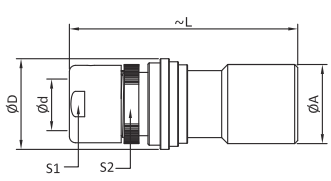
RM-KE Sealed Cable Mount Receptacle

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



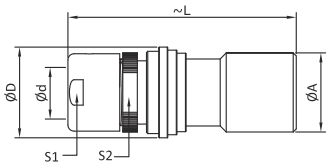
RM-K Cable Mount Receptacle

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



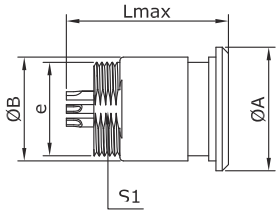
RM-KSE Short Sealed Cable Mount Receptacle

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



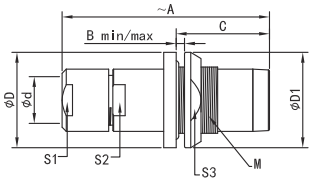
RM-KS Short Cable Mount Receptacle

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



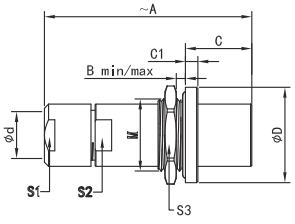
RM-PGX Cable Mount Receptacle only used by overmoulding

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



RM-DKBE Panel Mounted Cable Receptacles

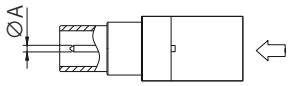
Reference		Dimensions(mm)										
Model	Series	A	B	C	D	d max shielded clamp	d max sealed clamp	D1	M	S1	S2	S3
RM-DKBE	0F	35	0/3.5	16	16	4.7	4.3	16	12*1	7	7	13
RM-DKBE	1F	43	0/4.0	19	19	6.7	6.2	20	15*1	10	10	17
RM-DKBE	AF	46	0/4.0	21	21	7.2	6.7	20	16*1	12	11	17
RM-DKBE	2F	50	0/5.0	23	23	8.7	8.7	23	18*1	12	13	20



RM-DKE Panel Mounted Cable Receptacles

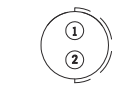
Reference		Dimensions(mm)									
Model	Series	A	B	C	C1	D	d max shielded clamp	d max sealed clamp	M	S1	S2	S3
RM-DKE	2F	50	0/8	16	3	22	8.7	8.7	16*1	12	13	19

Insulator Configuration

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

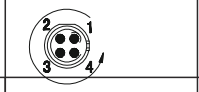
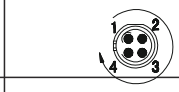
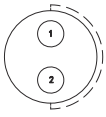
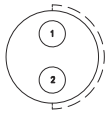
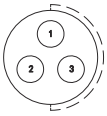
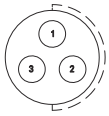
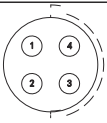
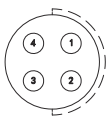
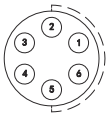
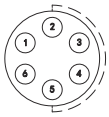
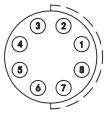
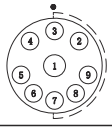
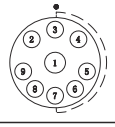
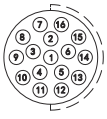
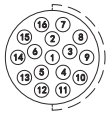
● First choice alternative
○ Special order alterative

Insulator Configuration

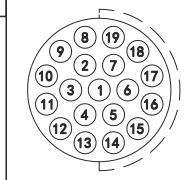
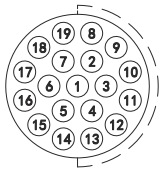
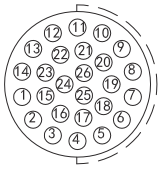
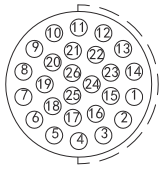
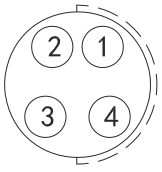
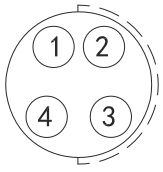
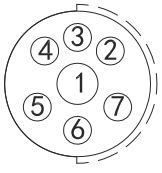
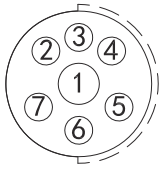
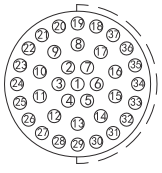
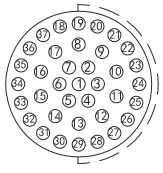
			Code	Contact No.	ØA(MM)	Solder contact	PCB straight contact	PCB elbow contact	Test voltage(contact -shell) k/v AC-rms	Test voltage(contact -contact)k/v AC-rms	Rated current /A
0F			P02	2	0.9	●	●	●	1.30	1.05	9.2
			P03	3	0.9	●	●	●	1.20	0.90	8.2
			P04	4	0.7	●	●	●	0.85	0.70	5.5
			P05	5	0.7	●	●	●	1.00	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 alterative

Insulator Configuration

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

			Code	Contact No.	ØA(MM)	Solder contact	PCB straight contact	PCB elbow contact	Test voltage(contact -shell) k/v AC-rms	Test voltage(contact -contact)k/v AC-rms	Rated current /A
2F			P19	19	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 alterative

Infrared night vision applications

raymo
circular connector

RM-L Series

Metal Waterproof Push Pull Self-locking Connector

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

RM-L Series

Plugs

FS2

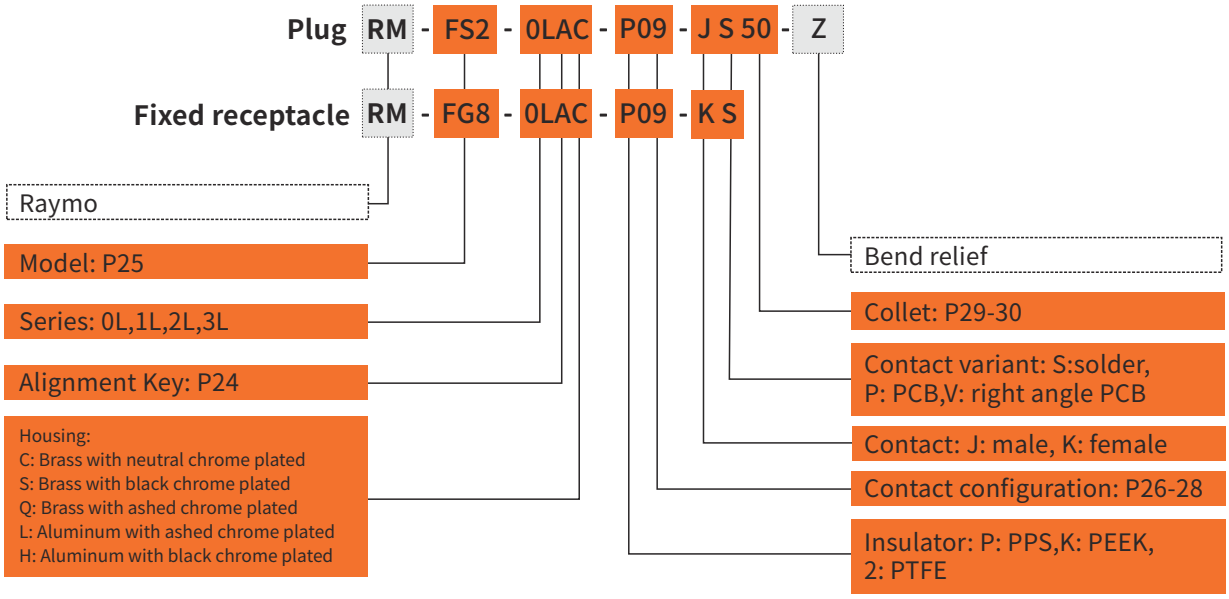
FSX

Receptacles

FG8

FGX

Part Numbering System



Part No.Example

Straight plug with cable collet

RM-FS2-0LAC-P09-S50Z= straight plug, 0L series, key 2, 30 degree, multipole 9 contacts, outshell innatural chrome-plated brass, PPS insulator, male solder contacts, collet for4.2-5.2mm diameter cable, IP68.

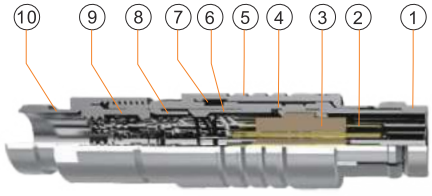
Fixed receptacle

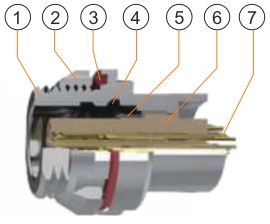
RM-FG8-0LAC-P08KS= fixed receptacle, 0L series, key 2, 30 degree, mulitpole 8pin, outer shell in natural chrome-plated brass, PPS insulator, female solder contacts, IP68.

Part Section Showing Internal Components

Cable Mount Plug

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





Fixed Receptacle

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

Technical Characteristics

Mechanical and Climatical

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

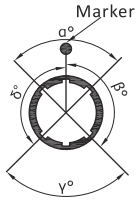
Electrical

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

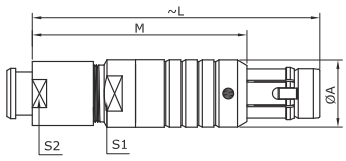
Alignment key and Polarized Keys(RM-L series)

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

Front view of receptacle

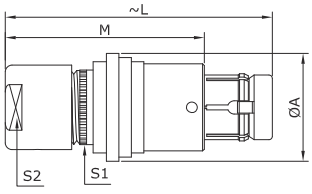


Code	Keys No.	Angles	Series			Contact Type	
			0L	1L	2L	Plug	Receptacle
0	1	α	0°	0°	0°	Male	Female
A	2		30°	30°	30°	Male	Female
B	2		-	-	37.5°	Male	Female
C	2		-	-	45°	Male	Female
F	2		60°	60°	60°	Male	Female
H	2		-	-	75°	Male	Female
J	2		90°	90°	-	Male	Female
C	2	γ	45°	45°	-	Male	Female
M	2	δ	-	-	100°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



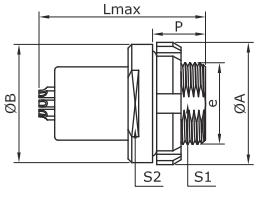
RM-FS2 Cable mount plug

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



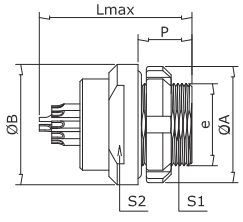
RM-FSX Straight plug, self-latching, IP68

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



RM-FG8 Fixed receptacle, back panel mounting

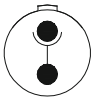
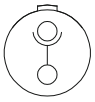
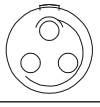
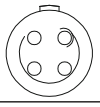
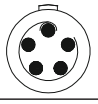
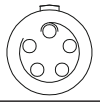
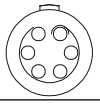
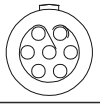
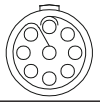
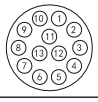
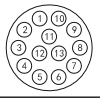
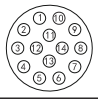
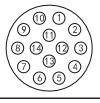
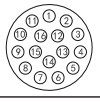
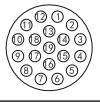
Reference		Dimensions(mm)						
Model	Series	A	B	e	L	P	S1	S2
RM-FG8	0L	15	14.5	M10*1.0	20.5	6.5	9	12
RM-FG8	1L	18	18	M14*1.0	26	8	12	15
RM-FG8	2L	21	21	M16*1.0	29	6	14.4	16



RM-FGX Fixed receptacle, self-latching, IP68

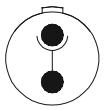
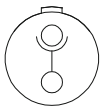
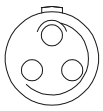
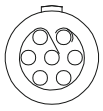
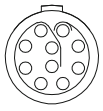
Reference		Dimensions(mm)						
Model	Series	A	B	e	L	P	S1	S2
RM-FGX	XL	14	14.5	M10*0.5	18.5	6.5	9.3	11

Insulator Configuration

	solder male contact	solder female contact	Insulator	Contact No.	ØA(MM)	Contact type			Test voltage(contact -shell) k/v AC-rms	Test voltage(contact -contact)k/v AC-rms	Rated current /A
						Solder contact	PCB straight contact	PCB elbow contact			
0L			P02	2	0.9	●	●	●	1.30	1.05	10.0
			P03	3	0.9	●	●	●	1.20	0.90	8.0
			P04	4	0.7	●	●	●	0.85	0.70	7.0
			P05	5	0.7	●	●	●	1.00	0.70	6.5
			P06	6	0.5	●	●	●	0.85	0.65	2.5
			P07	7	0.5	●	●	●	0.80	0.70	2.5
			P09	9	0.5	●	●	●	0.60	0.50	2.0
XL			P13	13	0.5	●	●	●	0.80	0.65	3.0
			P14	14	0.5	●	●	●	0.80	0.60	1.0
			P16	16	0.5	●	●	●	0.60	0.50	1.0
			P19	19	0.4	●	●	●	0.30	0.25	1.0

● First choice alternative
○ Special order alterative

Insulator Configuration

	solder male contact	solder female contact	Insulator	Contact No.	⌀A(MM)	Contact type			Test voltage(contact -shell) k/v AC-rms	Test voltage(contact -contact)k/v AC-rms	Rated current /A
						Solder contact	PCB straight contact	PCB elbow contact			
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 alterative

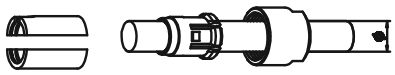
Insulator Configuration

solder male contact	solder female contact	Insulator	Contact No.	ØA(MM)	Contact type			Test voltage(contact -shell) k/v AC-rms	Test voltage(contact -contact)k/v AC-rms	Rated current /A
					Solder contact	PCB straight contact	PCB elbow contact			
2L		P02	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	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 alterative

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

RM-0F-S



Shielded Cable Clamp Set

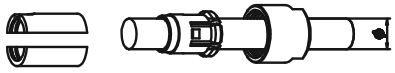
Cable dia Range	Collet ∅ (mm)	Cable Clamp Set	Cable dia Range	Collet ∅ (mm)	Cable Clamp Set
1.5 - 2.1	2.1	RM-0F-S-021	3.6 - 4.1	4.1	RM-0F-S-041
2.1 - 2.6	2.6	RM-0F-S-026	4.1 - 4.3	4.3	RM-0F-S-043
2.6 - 3.1	3.1	RM-0F-S-031	4.3 - 4.7	4.7	RM-0F-S-047
3.1 - 3.6	3.6	RM-0F-S-036			

RM-0F-E

Environmentally Sealed Clamp Set

Cable dia Range	Collet ∅ (mm)	Cable Clamp Set	Cable dia Range	Collet ∅ (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

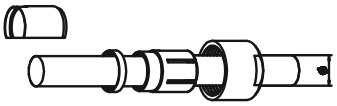
Cable dia Range	Collet ∅ (mm)	Cable Clamp Set PPS Insulator	Cable dia Range	Collet ∅ (mm)	Cable Clamp Set PPS Insulator
1.7 - 2.2	2.2	RM-1F-S-022	4.2 - 4.7	4.7	RM-1F-S-047
2.2 - 2.7	2.7	RM-1F-S-027	4.7 - 5.2	5.2	RM-1F-S-052
2.7 - 3.2	3.2	RM-1F-S-032	5.2 - 5.7	5.7	RM-1F-S-057
3.2 - 3.7	3.7	RM-1F-S-037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

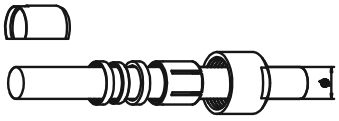
RM-L series Cable collet (Collet are same with RM-F series)



RM-AF-S

Sheilded Cable Clamp Set

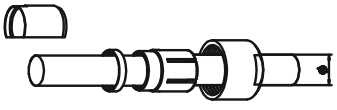
Cable dia Range	Collet ∅ (mm)	Cable Clamp Set	Cable dia Range	Collet ∅ (mm)	Cable Clamp Set
2.2 - 2.7	2.7	RM-AF-S-027	4.7 - 5.2	4.7	RM-AF-S-052
2.7 - 3.2	3.2	RM-AF-S-032	5.2 - 5.7	5.7	RM-AF-S-057
3.2 - 3.7	3.7	RM-AF-S-037	5.7 - 6.2	6.2	RM-AF-S-062
3.7 - 4.2	4.2	RM-AF-S-042	6.2 - 6.7	6.7	RM-AF-S-067
4.2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

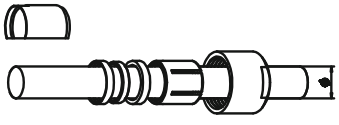
Cable dia Range	Collet ∅ (mm)	Cable Clamp Set	Cable dia Range	Collet ∅ (mm)	Cable Clamp Set
2.2 - 2.7	2.7	RM-AF-E-027	4.7 - 5.2	4.7	RM-AF-E-052
2.7 - 3.2	3.2	RM-AF-E-032	5.2 - 5.7	5.7	RM-AF-E-057
3.2 - 3.7	3.7	RM-AF-E-037	5.7 - 6.2	6.2	RM-AF-E-062
3.7 - 4.2	4.2	RM-AF-E-042	6.2 - 6.7	6.7	RM-AF-E-067
4.2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



RM-2F-S

Sheilded Cable Clamp Set

Cable dia Range	Collet ∅ (mm)	Cable Clamp Set	Cable dia Range	Collet ∅ (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

Envifronentally Sealed Clamp Set

Cable dia Range	Collet ∅ (mm)	Cable Clamp Set PPS Insulator	Cable dia Range	Collet ∅ (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

raymo
circular connector

RM-U Series

Metal Waterproof Push Pull Self-locking Connector

U series has same insualtor 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

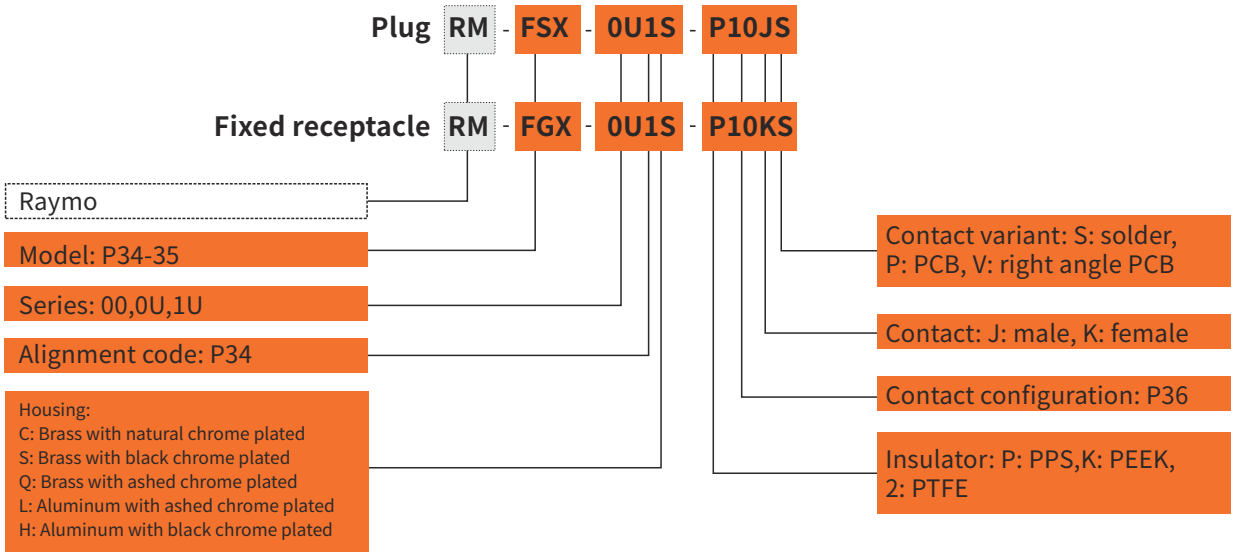
FG3

FGK

FGX

PGX

Part Numbering System



Part No.Example

Straight plug with cable collet

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

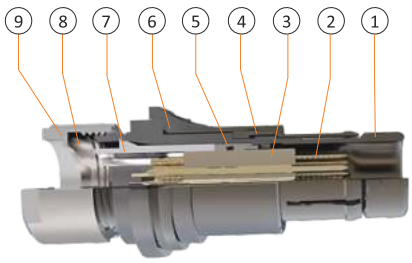
Fixed receptacle

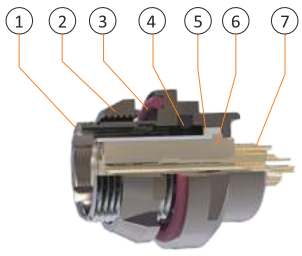
RM-FGX-0U2C-P10KS= fixed receptacle, 0U series, code 2, mulitpole 10 contacts, outer shell in natural chrome-plated brass, PPS insulator, female solder contacts, IP68.

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

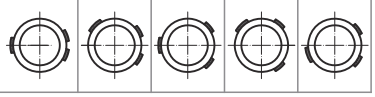
Characteristics	Value	Standard
Endurance	>5000cycles	IEC60512-5test9a
Humidity	Up to 95% at 60°C	
Temperature range	-55°C, +250°C	
Resistance to vibration	10-2000Hz, 15g	IEC 60512-4 test 6d
Shock resistance	100g, 6ms	IEC 60512-4 test 6c
Salt spray corrosion test	>96h	IEC 60512-6 test 11f
Protection index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

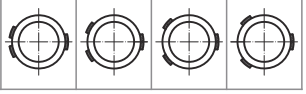
Electrical

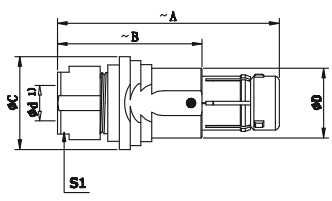
Characteristics		Value	Standard
Shielding efficiency	at 10 MHZ	>65 dB	IEC 60619-1-3
	at 1 GHz	>45 dB	IEC 60619-1-3

Alignment key

00U	Code	1
	Guide mark	•
	Plug front view	

0U	Code	1	2	3	4	5
	Guide mark	◦	▾	▪	✱	★
	Plug front view					

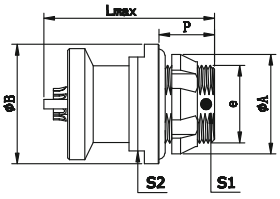
1U	Code	1	2	3	4
	Guide mark	◦	▾	▪	✱
	Plug front view				



RM-FSX straight plug

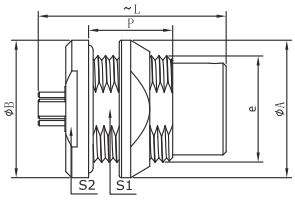
Reference		Dimensions(mm)					
Model	Series	A	B	C	D	Ød max	S1
RM-FSX	00U	26.4	18.4	10.4	7.4	3.5	/
RM-FSX	0U	28.7	18.7	12	9	4.5	8
RM-FSX	1U	37.7	26.6	15	11	7	12

RM-FG3 Sealed Panel Mount Receptacle with ground tag



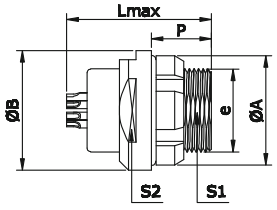
Reference		Dimensions(mm)						
Model	Series	A	B	e	L	P	S1	S2
RM-FG3	0U	13	14	M9*0.5	20	6.5	11	8

RM-FGK Sealed Panel Mount Receptcle, Straight PCB contacts



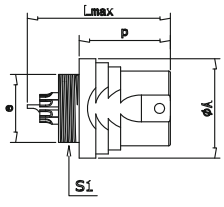
Reference		Dimensions(mm)						
Model	Series	A	B	e	L	P	S1	S2
RM-FGK	1U	18	18	M14*1.5	24.6	11	12	15

RM-FGX Sealed Panel Mount Receptacle



Reference		Dimensions(mm)						
Model	Series	A	B	e	L	P	S1	S2
RM-FGX	00U	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	00U	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.	ØA(MM)	Solder contact	PCB straight contact	PCB elbow contact	Test voltage(contact -shell) k/v AC-rms	Test voltage(contact -contact)k/v AC-rms	Rated current /A
00			P02	2	0.5	●	●	●	1.00	0.95	5.0
			P03	3	0.5	●	●	●	0.80	0.95	3.0
			P04	4	0.5	●	●	●	0.80	0.65	2.0
			P05	5	0.35	●	●	●	0.70	1.00	1.5
			P07	7	0.3	●	●	●	0.60	0.75	1.0
0U			P02	2	0.9	●	●	●	1.70	1.30	9.2
			P03	3	0.9	●	●	●	1.30	1.30	8.2
			P04	4	0.7	●	●	●	1.20	1.20	5.5
			P05	5	0.7	●	●	●	1.00	0.80	5.2
			P07	7	0.5	●	●	●	1.00	0.80	2.0
			P09	9	0.5	●	●	●	1.10	0.80	1.7
			P10	10	0.5	●	●	●	0.90	0.80	1.3
			P13	13	0.4	●	●	●	0.40	0.40	1.5
1U			P05	5	0.9	●	●	●	1.25	1.15	9.0
			P06	6	0.7	●	●	●	1.05	1.2	7.0
			P07	7	0.7	●	●	●	0.95	1.05	7.0
			P08	8	0.7	●	●	●	0.95	1.15	5.0
			P10	10	0.7	●	●	●	0.90	1.50	2.5
			P12	12	0.5	●	●	●	0.80	1.2	2.0
			P16	16	0.5	●	●	●	0.80	1.25	1.5

● First choice alternative
○ Special order alterative

raymo
circular connector

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 hermefic
- The unique design of the contact core makes it safe and reliable in atl 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

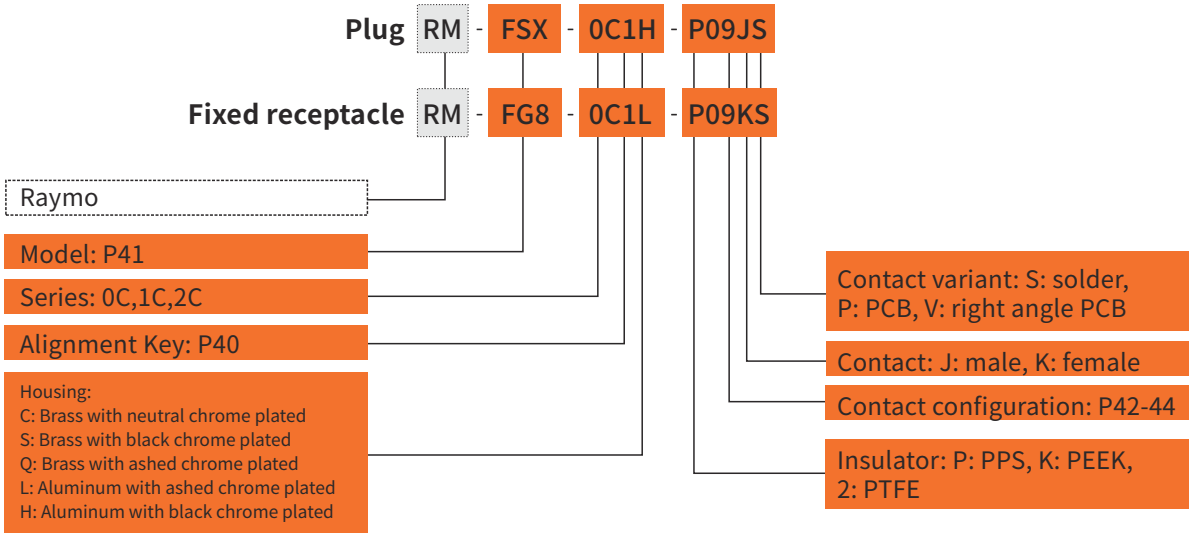
FSE

Receptacles

FGK

FG8

Part Numbering System



Part No.Example

Straight plug with cable collet

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

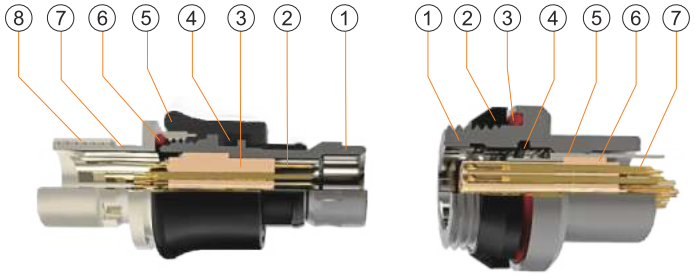
Fixed receptacle

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

Part Section Showing Internal Components

Cable Mount Plug

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



Fixed Receptacle

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

Technical Characteristics

Mechanical and Climatical

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

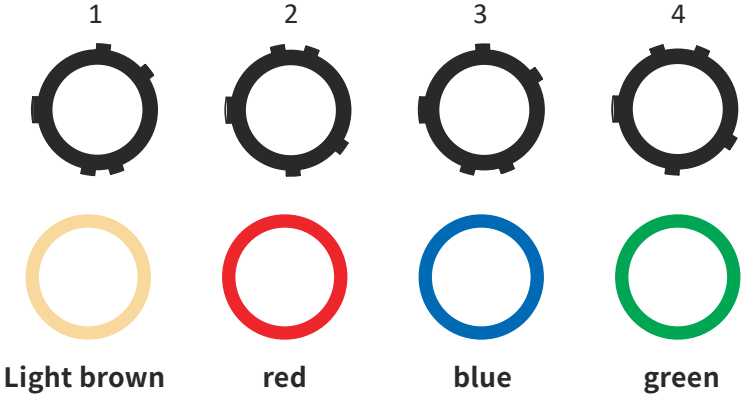
RM-C

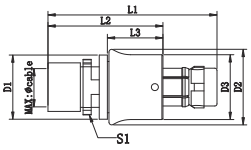
Electrical

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

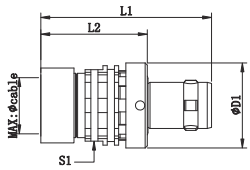
Key 1 is standard, if you need other keys,please indicated





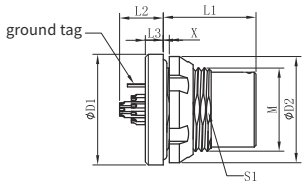
RM-FSX Cable mount plug

Reference		Dimensions(mm)							
Model	Series	L1	L2	L3	D1	D2	D3	S1	max cable diameter
RM-FSX	0C	31.4	21.4	10.4	11.9	14	12	6.5	5.0
RM-FSX	1C	33.2	22.4	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



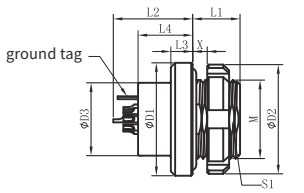
RM-FSE Cable mount plug

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



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

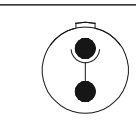
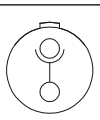
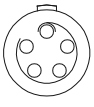
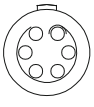
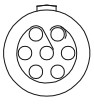
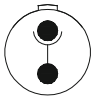
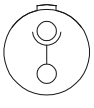
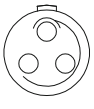
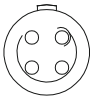
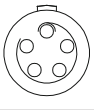
Reference		Dimensions(mm)							
Model	Series	L1	L2	L3	X	D1	D2	M	S1
RM-FGK	0C	13.0	7.5	2.5	5	15.5	15.0	M11*0.75	10.1
RM-FGK	1C	15.5	8.5	3.0	4	18.5	17.9	M14*1.0	13.1
RM-FGK	AC	14.2	8.5	3.0	4	18.9	17.9	M14*1.0	13.1
RM-FGK	2C	17.5	9.5	3.0	4	20.8	21.9	M16*1.0	15.1



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

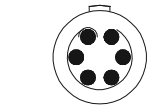
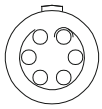
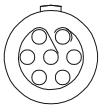
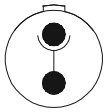
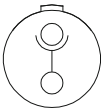
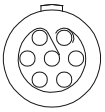
Reference		Dimensions(mm)									
Model	Series	L1	L2	L3	L4	X	D1	D2	D3	M	S1
RM-FG8	0C	6.5	15.5	3.0	11.5	3.0	15.5	15.0	10.0	M11*0.75	10.1
RM-FG8	1C	8.0	19.0	4.0	14.5	3.5	18.5	17.9	12.0	M14*1.0	13.1
RM-FG8	AC	7.0	17.7	2.5	12.5	3.0	18.9	17.9	14.0	M14*1.0	13.1
RM-FG8	2C	8.0	21.5	4.0	15.0	3.0	20.8	21.9	15.0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

Insulator Configuration

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

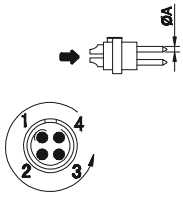
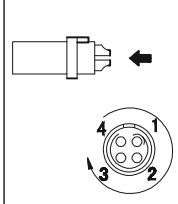
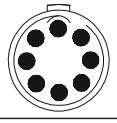
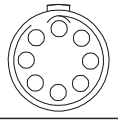
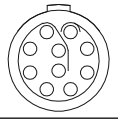
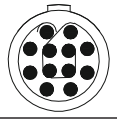
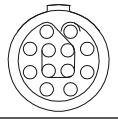
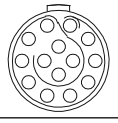
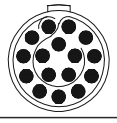
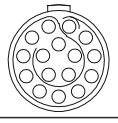
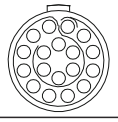
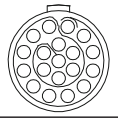
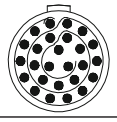
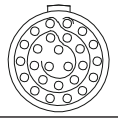
● First choice alternative
○ Special order alterative

Insulator Configuration

	solder male contact	solder female contact	Insulator	Contact No.	ØA(MM)	Contact type			Test voltage(contact -shell) k/v AC-rms	Test voltage(contact -contact)k/v AC-rms	Rated current /A
						Solder contact	PCB straight contact	PCB elbow contact			
1C			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 alterative

Insulator Configuration

	solder male contact	solder female contact	Insulator	Contact No.	Ø A(MM)	Contact type			Test voltage(contact -shell) k/v AC-rms	Test voltage(contact -contact)k/v AC-rms	Rated current /A
						Solder contact	PCB straight contact	PCB elbow contact			
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 alterative

RM-C Easy clean series

Plugs

FA1

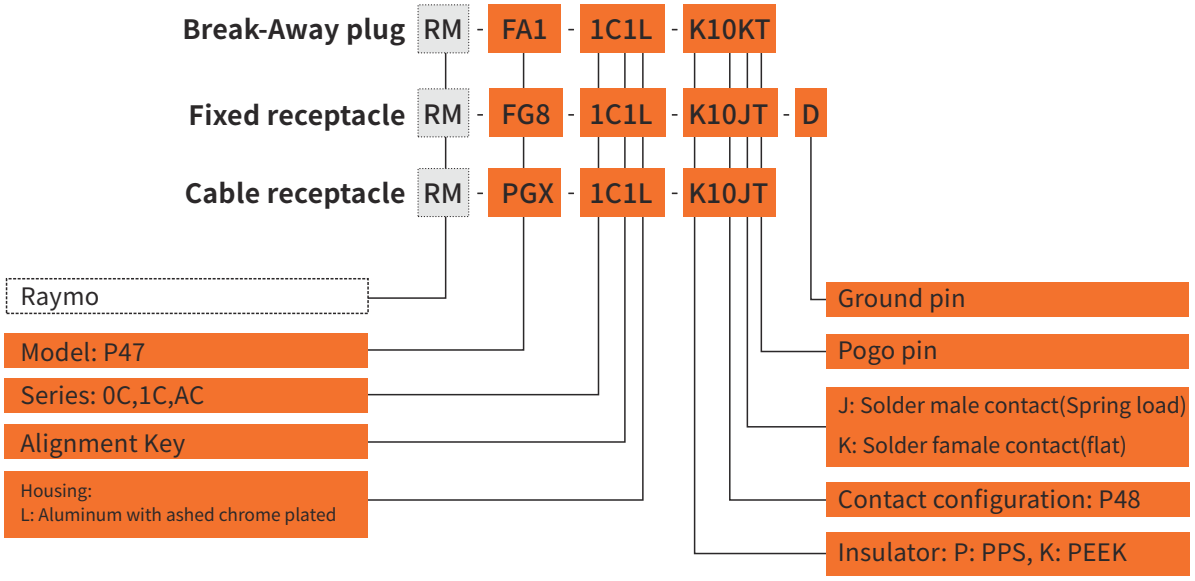
FAK

Receptacles

FG8

PGX

Part Numbering System



Part No.Example

Straight plug with cable collet

RM-FA1-1C1L-K10KT= Break-Away plug, 1C serise, 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.

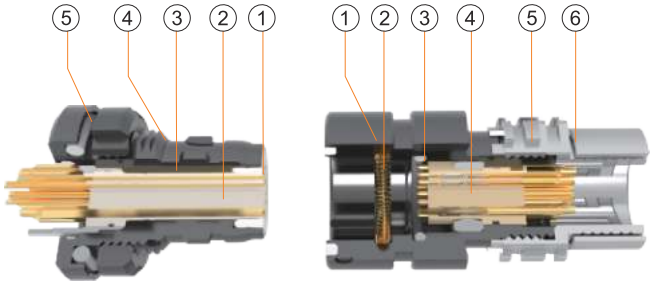
Free cable mount receptacle

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

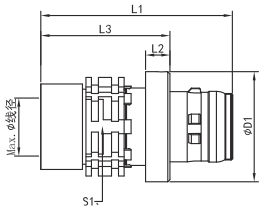
Cable Mount Plug

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



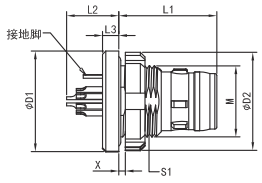
Fixed Receptacle

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



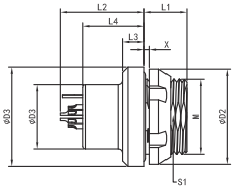
RM-FA1 Break-Away cable plug

Reference		Dimensions(mm)					
Model	Series	L1	L2	L3	D1	S2	max∅
RM-FA1	0C	23.5	3	15	11.9	9	5.5
RM-FA1	1C	26.6	3.5	18.4	13.9	11	6.5
RM-FA1	AC	27.5	3.5	18.5	15.9	12	8.0



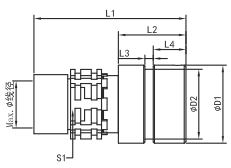
RM-FAK Break-Away fixed plug

Reference		Dimensions(mm)					
Model	Series	L1	L2	L3	D1	S2	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	Xmax	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∅
RM-PGX	0C	25	13	1.5	5.8	11.9	10.5	9	5.6
RM-PGX	1C	27	12.1	1.5	5.8	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.	∅A(MM)	Contact type			Test voltage(contact -shell) k/v AC-rms	Test voltage(contact -contact)k/v AC-rms	Rated current /A
						Solder contact	PCB straight contact	PCB elbow contact			
0C			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 alterative

raymo
circular connector

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

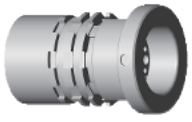
FSE

FSX

FC1

Receptacles

FGK

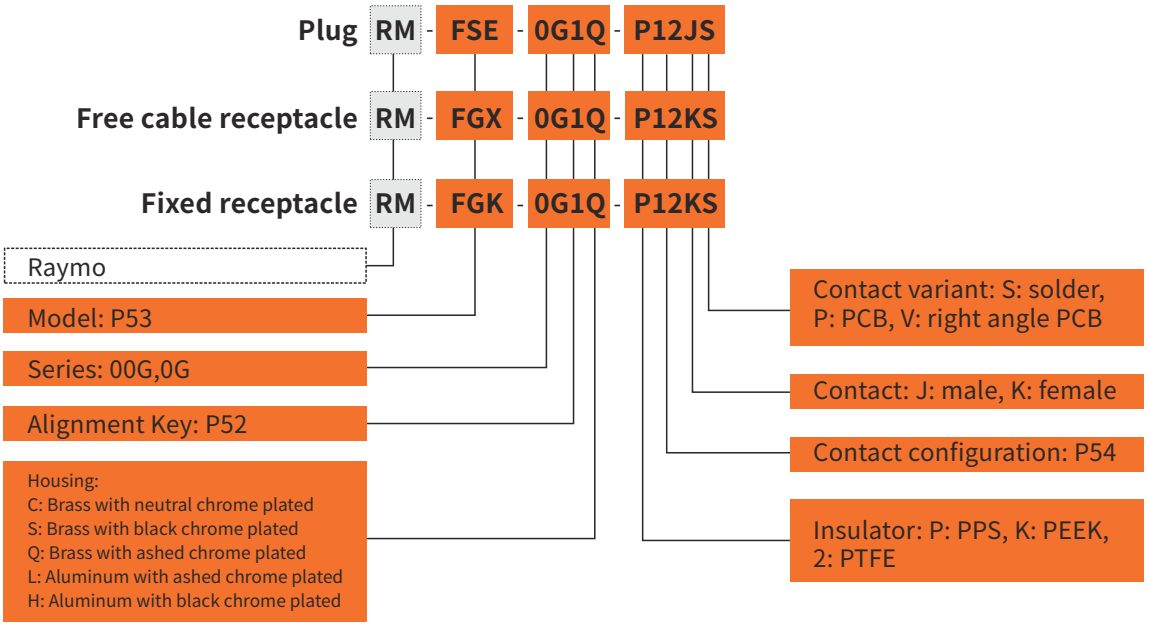


PGX

FGC

FG8

Part Numbering System



Part No.Example

Straight plug

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

Free receptacle

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

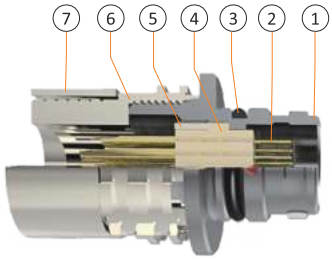
Fixed receptacle

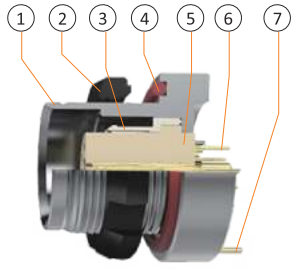
RM-FGK-0G10-P12KS=fixed receptacle, 0G series, key 1, outer shell in gun chrome-plated brass, PPS insulator, female solder contacts, IP68.

Part Section Showing Internal Components

Straight Plug

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





Fixed Receptacle

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

Technical Characteristics

Mechanical and Climatical

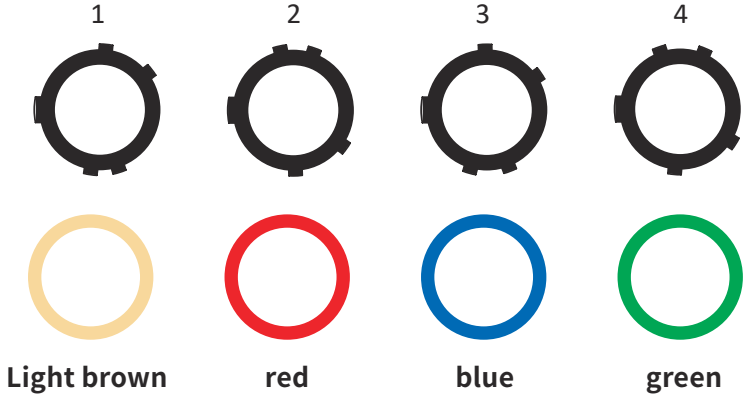
Characteristics	Value	Standard
Endurance	>5000cycles	IEC60512-5test9a
Humidity	Up to 95% at 60°C	
Temperature range	-55°C, +250°C	
Resistance to vibration	10-2000Hz, 15g	IEC 60512-4 test 6d
Shock resistance	100g, 6ms	IEC 60512-4 test 6c
Salt spray corrosion test	>96hrs	IEC 60512-6 test 11f
Protection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

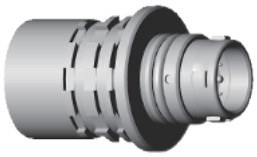
Electrical

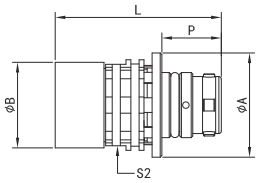
Characteristics		Value	Standard
Shielding	at 10 MHZ	>65 dB	IEC 60619-1-3
efficiency	at 1 GHz	>45 dB	IEC 60619-1-3

Alignment Key

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

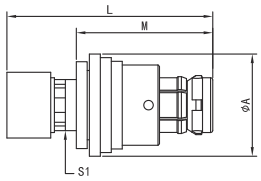






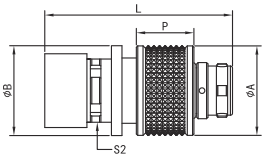
RM-FSE straight plug

Reference		Dimensions(mm)				
Model	Series	A	B	P	L	S2
RM-FSE	00G	9.8	8.0	7.3	20.0	8.0
RM-FSE	0G	12.8	10.5	7.3	20.4	10.0



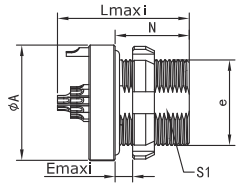
RM-FSX straight plug

Reference		Dimensions(mm)			
Model	Series	A	M	L	S1
RM-FSX	0G	14	18.7	28.2	7



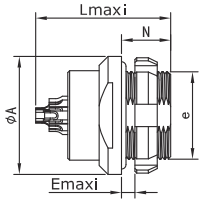
RM-FC1 straight plug

Reference		Dimensions(mm)				
Model	Series	A	B	P	L	S2
RM-FC1	0G	12.8	12.8	8.2	26.8	9



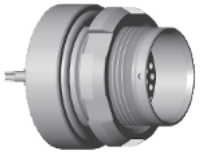
RM-FGC Sealed Back Panel Mount Receptacle with ground tag

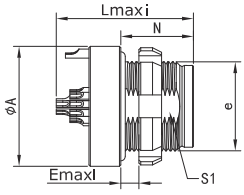
Reference		Dimensions(mm)					
Model	Series	A	N	e	E	L	S1
RM-FGC	0G	13.2	8.2	M10*0.5	4	15.1	9.0



RM-FGK Sealed Back Panel Mount Receptacle with ground tag

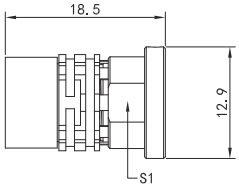
Reference		Dimensions(mm)					
Model	Series	A	N	e	E	L	S1
RM-FG8	0G	13.2	5.5	M10*0.5	2.5	15.1	9.0





RM-FGK Sealed Back Panel Mount Receptacle with ground tag

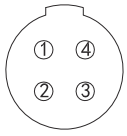
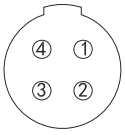
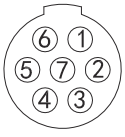
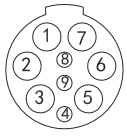
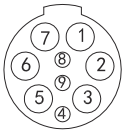
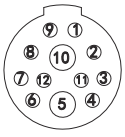
Reference		Dimensions(mm)					
Model	Series	A	N	e	E	L	S1
RM-FGK	00G	9.9	8.0	M7*0.5	4.0	15.6	6.5
RM-FGK	0G	13.2	8.0	M10*0.5	3.5	15.1	9.0



RM-PGX free cable receptacle

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

Insulator Configuration

	solder male contact	solder female contact	Code	Contact No.	ØA(MM)	Solder contact	PCB straight contact	PCB elbow contact	Test voltage(contact -shell) k/v AC-rms	Test voltage(contact -contact)k/v AC-rms	Rated current /A
00G			P04	2	2	●	●	○	0.75	0.75	3.0
				2	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 alterative

RM-G

专业军用级连接解决方案

船载设备应用

raymo
circular connector

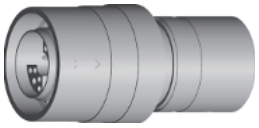
RM-A Series

Miniature High-speed Data Transmission Connector

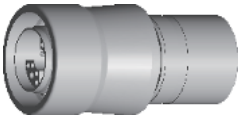
- Push pull self-latching system
- Excellent waterproof performance IP68(20m/24h)
- 360° EMC Shielded
- Receptacle with vacuum sealing structure, suitable for sealing equipment
- 4 codes alignment key and polarized keying system to avoid cross-interface

RM-A Series

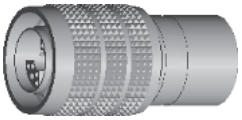
Plugs



PSX

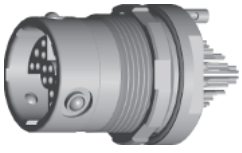


PSA

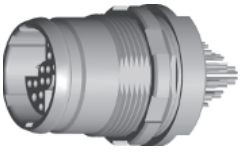


PSM

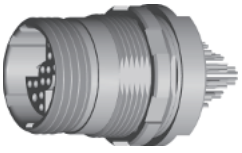
Receptacles



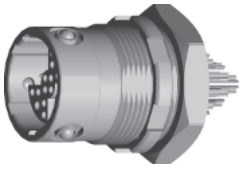
FGK



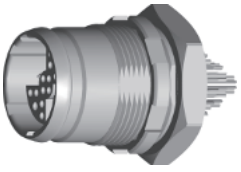
FGA



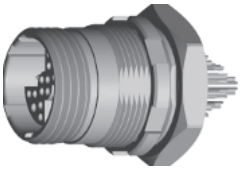
FGM



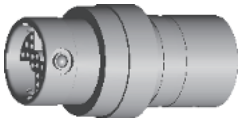
ECG



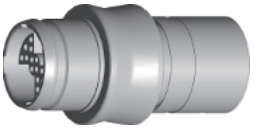
ECA



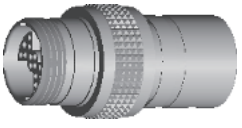
ECM



PHX

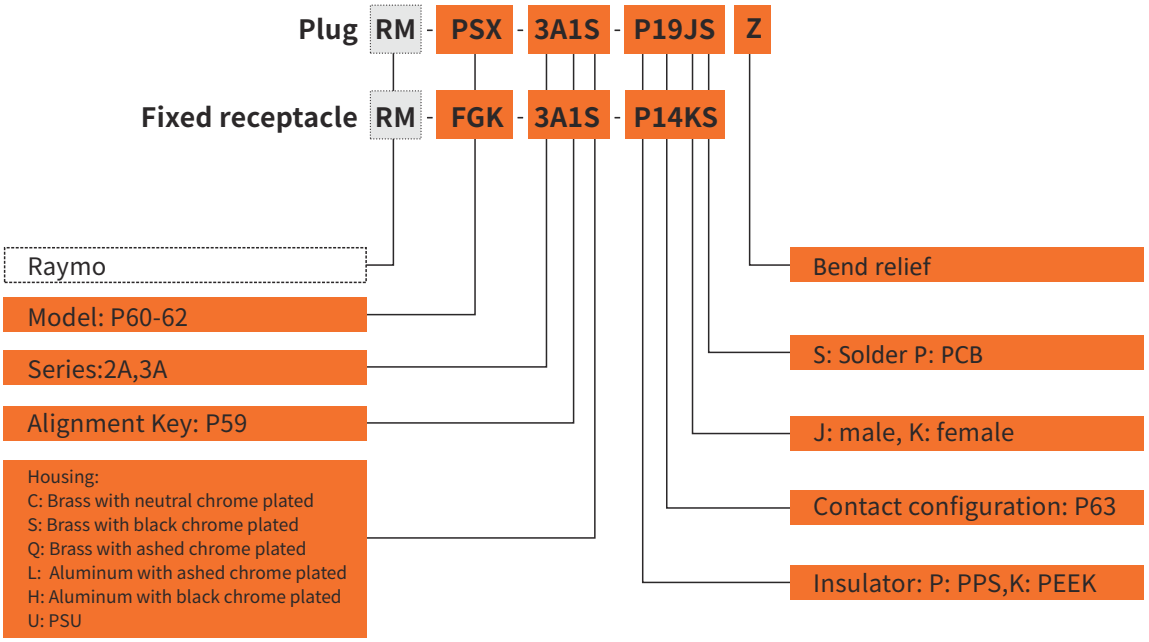


PHA



PHM

Part Numbering System



RM-A

Part No.Example

Straight plug

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

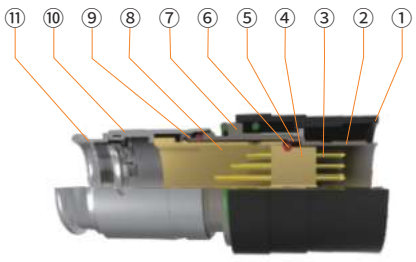
Free receptacle

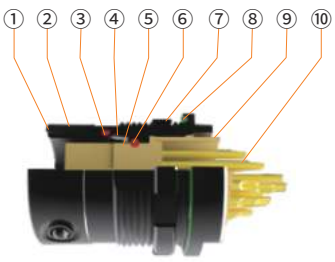
RM-FGK-3A1S-P19KS=Fixed panel mount receptacle with key (1), 3A series, 19 contacts, outer shell in black chrome-plated brass, PPS insulator, female solder contacts.

Part Section Showing Internal Components

Straight Plug

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





Fixed Receptacle

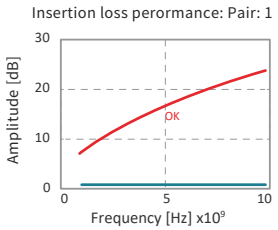
① Outer shell
② Insulati e ball
③ O-ring
④ Retainer ring
⑤ Insulator
⑥ O-ring
⑦ Hexagonal nut
⑧ O-ring
⑨ Insulator carrier
⑩ Female contact

High-speed data transfer

Ethernet 8-PIN

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

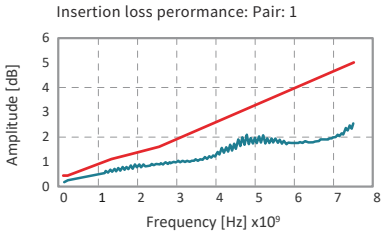
- AWG24, compatible with long ange standard Ethernet cables
- Symmetrical hermaphroditic conact block
- 0.5 mm contact



USB 3.0 9-PIN

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

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



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

Technical informaton

Environmental & Mechanical data

Characteristc	Performance	Standrd
Sealing performance mated and unmated	IP68, 20m/24h water sealing <10^{6} mbar. I/sec gas sealing	IEC 60529 IEC 60068-2-17 Test Qk, Method 3
Operatng temperature range	-40°C to +135°C	IEC 60512-6-1 IEC 60068-2-14-Nb
Corrosion resistance mated	96h	IEC 60068-2-11 Test Ka; MIL-STD-202 Method 101; EIA-364-26
Endurance	5000 matng cycles.Preserved mechanical and electrical functonality. Normal wear will appear.	IEC 60512-9-1
Vibraton (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 discontnuity >1 us	MIL-STD-202 G Method 204D Condit
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

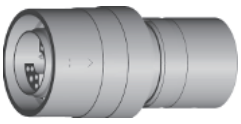
Characteristc		Performance	Standard
Contact resistance		5mΩ(typical value)	IEC 60512-2-1-2a; IEC 60512-2-2-2b
Shell resistance	Anthractite	<5mΩ(Cabled)	IEC 60512-2-6-2f
	Black	<50mΩ(Cabled)IEC	IEC 60512-2-6-2f
Insulaton resistance		10^{10}Ω	IEC 60512-3-1-3a
Shielding effeccveness		360° shielded	-

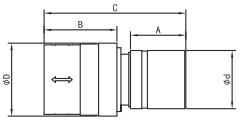
Mechanical keys(A Series)

2A	Size	1	2	3	4
	Rceptacles				

3A	Size	1	2	3	4
	Rceptacles				

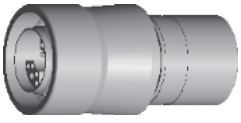
RM-A

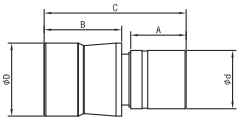




RM-PSX Push pull locking cable mount plug, IP68, multiples keys

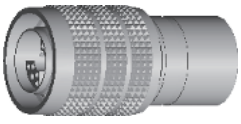
Reference		Dimensions(mm)				
Model	Series	Ød	ØD	A	B	C
RM-PSX	2A	8.5	9.9	10.1	12.8	25
RM-PSX	3A	10.5	12.9	10.1	12.8	25

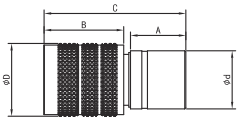




RM-PSA Quick release cable mount plug, IP68, multiples keys

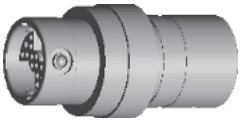
Reference		Dimensions(mm)				
Model	Series	Ød	ØD	A	B	C
RM-PSA	2A	8.5	9.9	10.1	13.6	25
RM-PSA	3A	10.5	12.9	10.1	13.6	25

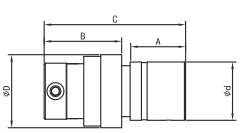




RM-PSM Screw locking cable mount plug, IP68, multiples keys

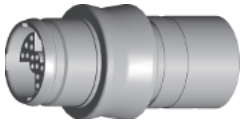
Reference		Dimensions(mm)				
Model	Series	Ød	ØD	A	B	C
RM-PSM	2A	8.5	9.9	10.1	14.0	25
RM-PSM	3A	10.5	12.9	10.1	14.0	25

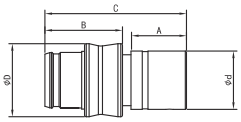




RM-PHX Push pull locking cable receptacle, IP68, multiples keys

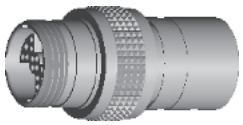
Reference		Dimensions(mm)				
Model	Series	Ød	ØD	A	B	C
RM-PHX	2A	8.5	9.9	10.1	13.7	25
RM-PHX	3A	10.5	11.6	10.1	13.7	25

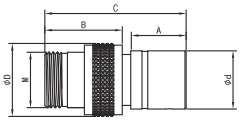




RM-PHA Quick release, cable mount socket, IP68, multiples keys

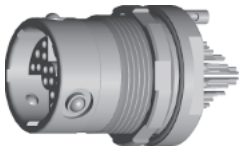
Reference		Dimensions(mm)				
Model	Series	Ød	ØD	A	B	C
RM-PHA	2A	8.5	9.9	10.1	13.7	25
RM-PHA	3A	10.5	12.9	10.1	13.7	25

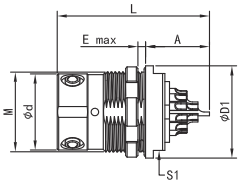




RM-PHM Screw locking, cable mount receptacle, IP68, multiples keys

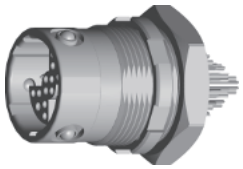
Reference		Dimensions(mm)					
Model	Series	Ød	ØD	A	B	C	M
RM-PHM	2A	8.5	9.9	10.1	13.7	25	M8*2
RM-PHM	3A	10.5	12.9	10.1	13.7	25	M10*2

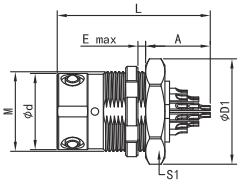




RM-FGK Push pull locking, panel mount receptacle, IP68, back panel mounting

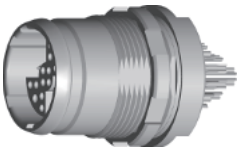
Reference		Dimensions(mm)						
Model	Series	Ød	ØD1	M	A	L	E max	S1
RM-FGK	2A	8.0	10	M8.5*0.35	7.6	19.1	3.0	8
RM-FGK	3A	10.0	12	M10.5*0.5	9.1	20.6	3.0	10



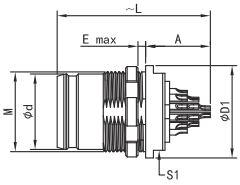


RM-ECG Screw locking, panel mount receptacle, IP68, back panel mounting

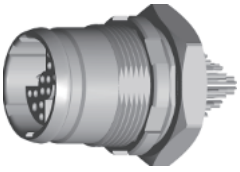
Reference		Dimensions(mm)						
Model	Series	Ød	ØD1	M	A	L	E max	S1
RM-FGK	2A	8.0	11.4	M8.5*0.35	7.6	19.1	3.0	10
RM-FGK	3A	10.0	13.7	M10.5*0.5	9.1	20.6	3.0	12



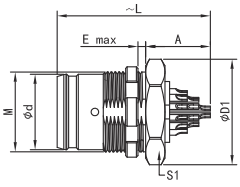
RM-FGA Push pull locking, panel mount receptacle, IP68, back panel mounting



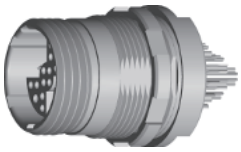
Reference		Dimensions(mm)						
Model	Series	Ød	ØD1	M	A	L	E max	S1
RM-FGA	2A	7.8	10.0	M8.5*0.35	7.6	19.1	3.0	8
RM-FGA	3A	9.8	12.0	M10.5*0.5	9.1	20.6	3.0	10



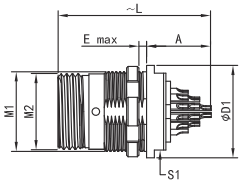
RM-ECA screw locking, panel mount receptacle, IP68, front orback panel mounting



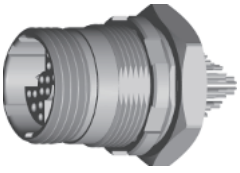
Reference		Dimensions(mm)						
Model	Series	Ød	ØD1	M	A	L	E max	S1
RM-ECA	2A	7.8	11.4	M8.5*0.35	7.6	19.1	2.3	10
RM-ECA	3A	9.8	13.7	M10.5*0.5	9.1	20.6	2.3	12



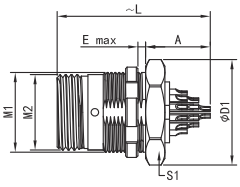
RM-FGM Push pull locking, panel mount receptacle, IP68, back panel mounting



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

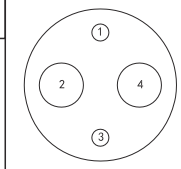
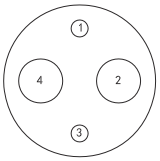
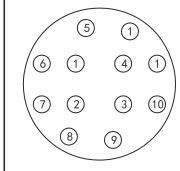
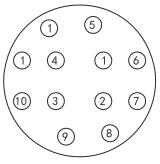
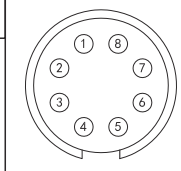
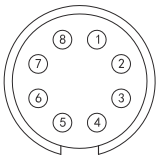
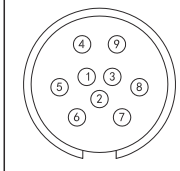
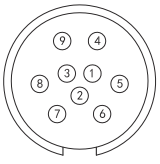
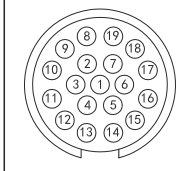
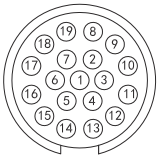
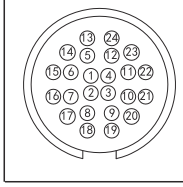
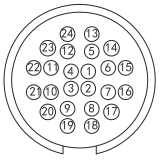


RM-ECM Screw locking, panel mount socket, IP68, front or backpanel mounting



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.	ØA(MM)	Solder contact	PCB straight contact	PCB elbow contact	Test voltage(contact -shell) k/v AC-rms	Test voltage(contact -contact)k/v AC-rms	Rated current /A
2A			P04	2	0.5	●	●	○	1.20	1.90	1.0
				2	1.3						10
			P12	10	0.5	●	●	○	0.90	1.20	1.0
				2	0.5						5.0
3A			P08	8	0.5	●	●	○	1.60	2.20	3.8
					0.5						
			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	1.20	1.0
				4	0.5						5.0

● First choice alternative
○ Special order alterative

RM-A

Vehicle Equipment Application

raymo
circular connector

RM-B Series

Metal Push Pull Self-locking connector

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

RM-B Series

Plugs

FGG

FEG

FFG

FNG

FHG

FPG

FSG

FAG

Receptacles

EGG

ECG

ECG

EEG

EFG

EHG

EXG

EPG

HGG

HHG

HEG

PFG

PHG

RGG

Part Numbering System

Plug	RM	- FGG	- 1BC	- 306	- JS 62	Z	
Free cable receptacle	RM	- PHG	- 1BC	- 306	- JS 62	Z	
Fixed receptacle	RM	- EGG	- 1BC	- 306	- KS		
Fixed receptacle	RM	- ECG	- 1BC	- 306	- KP		

- Raymo
- Model: P69-75
- Alignment Key: P77
- Series: 00B,0B,1B,2B,3B
- Housing:
  C: Brass with neutral chrome plated
  S: Brass with black chrome plated
  Q: Brass with ashed chrome plated
  L: Aluminum with ashed chrome plated
  H: Aluminum with black chrome plated
- Bend relief
- Collet: P76
- Contact variant: S: solder, P: PCB, V: right angle PCB
- Contact: J: male, K: female
- Contact configuration: P92-95
- Insulator: 3: PPS,K: PEEK, 2: PTFE

Part No.Example

Straight plug with cable collet

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

Free cable mount receptacle

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

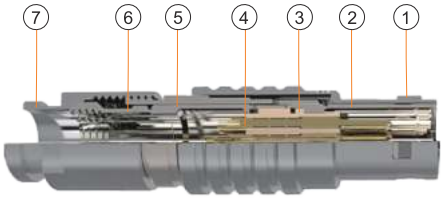
Fixed receptacle

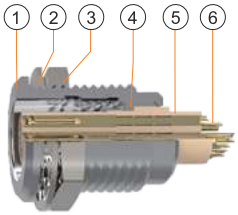
RM-ECG-1BC-306-KP= fixed receptacle with two screw nuts, nut fixing, with key (G),1B series, multipole 6 contacts,outer shell in natural chrome natural-plated brass, PPS insulator, female PCB contacts.

Part Section Showing Internal Components

Cable Mount Plug

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





Fixed Receptacle

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

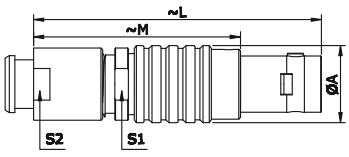
Technical Characteristics

Mechanical and Climatical

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

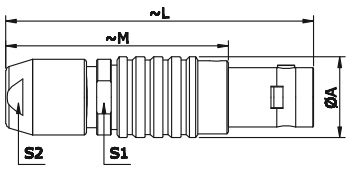
Electrical

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



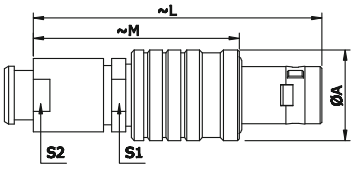
RM-FGG Cable Mount Straight Plug, nut for fitting a bend relief

Reference		Dimensions(mm)				
Model	Series	A	L	M	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	58.5	43.5	15.0	15.0



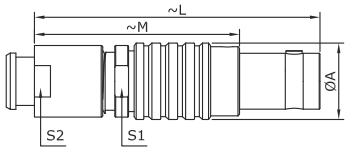
RM-FGG Cable Mount Straight Plug

Reference		Dimensions(mm)				
Model	Series	A	L	M	S1	S2
RM-FGG	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



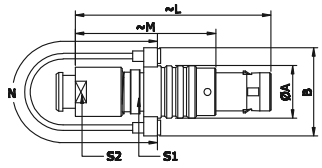
RM-FEG Cable Mount Straight Plug, front sealed, nut for fitting a bend relief

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



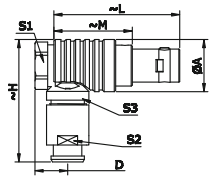
RM-FFG Straight plug, non-latching

Reference		Dimensions(mm)				
Model	Series	A	L	M	S1	S2
RM-FFG	00B	6.4	36.5	28.5	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



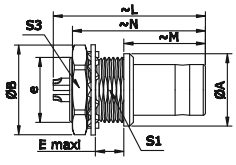
RM-FNG Straight plug, with Lanyard

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



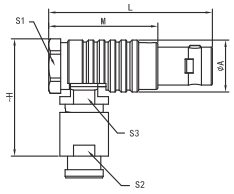
RM-FHG Cable Mounted Elbow Plug, 90°

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



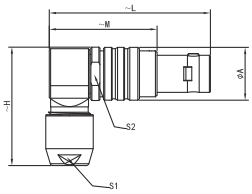
RM-FAG Panel Mount Fixed Plug, non-latching

Reference		Dimensions(mm)								
Model	Series	A	B	e	E	L	M	N	S1	S3
RM-FAG	00B	8.0	10.2	M7*0.5	2.9	18.1	9.0	15.0	6.3	9.0
RM-FAG	0B	10.0	12.4	M9*0.6	4.2	20.8	11.5	18.9	8.2	11.0
RM-FAG	1B	14.0	15.8	M12*1.0	5.4	25.2	12.5	21.6	10.5	14.0
RM-FAG	2B	18.0	19.2	M15*1.0	6.0	28.7	13.8	23.9	13.5	17.0
RM-FAG	3B	22.0	25.0	M18*1.0	5.8	32.1	17.0	30.2	16.5	22.0



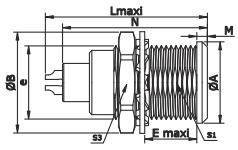
RM-FPG Cable Mounted Elbow Plug, 90°

Reference		Dimensions(mm)						
Model	Series	A	H	L	M	S1	S2	S3
RM-FPG	00B	8.5	18.0	24.5	16.5	7.5	6	6
RM-FPG	0B	9.5	23.0	30.0	30.0	9.0	8	8
RM-FPG	1B	12.0	29.0	36.0	36.0	11.0	9	10
RM-FPG	2B	15.0	35.0	41.5	41.5	13.5	12	13



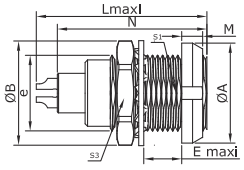
RM-FSG 90° elbow plug, key(G) or key(A...M and R), bend relief.

Reference		Dimensions(mm)					
Model	Series	A	H	L	M	S1	S2
RM-FSG	00B	8.0	18.1	24.8	16.8	5.0	7.0
RM-FSG	0B	10.0	22.4	30.3	20.3	7.0	9.0
RM-FSG	1B	12.0	26.4	36.5	25.5	9.0	11.0
RM-FSG	2B	16.5	34.5	44.0	32.0	12.0	15.0



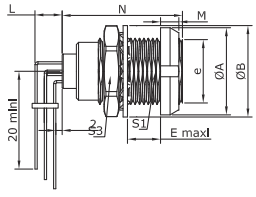
RM-EGG Panel Mount Fixed Receptacle

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



RM-ECG Panel Mount Receptacle with two screw nuts

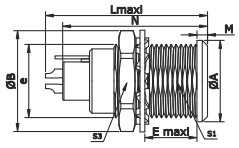
Reference		Dimensions(mm)								
Model	Series	A	B	e	E	L	M	N	S1	S3
RM-ECG	00B	10.0	10.2	M7*0.5	4.3	13.7	2.5	13.7	6.3	9.0
RM-ECG	0B	12.0	12.4	M9*0.6	5.5	20.7	2.5	16.4	8.2	11.0
RM-ECG	1B	16.0	15.8	M12*1.0	6.0	23.0	3.5	19.8	10.5	14.0
RM-ECG	2B	20.0	19.2	M15*1.0	6.5	26.7	3.5	20.2	13.5	17.0
RM-ECG	3B	24.0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



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

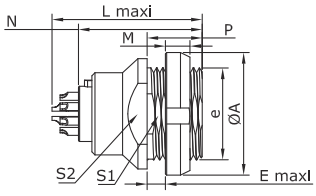
Reference		Dimensions(mm)							
Model	Series	A	B	e	E	M	N	S1	S3
RM-ECG	0B	12.0	12.4	M9*0.6	5.5	2.5	18.3	8.2	11.0
RM-ECG	1B	16.0	15.8	M12*1.0	6.0	3.5	20.3	10.5	14.0
RM-ECG	2B	20.0	19.2	M15*1.0	6.5	3.5	22.3	13.5	17.0
RM-ECG	3B	24.0	25.0	M18*1.0	9.0	4.5	25.8	16.5	22.0

RM-B



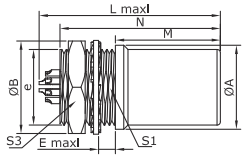
RM-ENG Panel Mount Fixed Receptacle

Reference		Dimensions(mm)								
Model	Series	A	B	e	E	L	M	N	S1	S3
RM-ENG	00B	8.0	10.2	M7*0.5	6.0	15.5	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	M15*1.0	8.5	26.7	1.8	24.6	13.5	17.0
RM-ENG	3B	21.8	25.0	M18*1.0	11.5	37.1	2.0	24.6	16.5	22.0



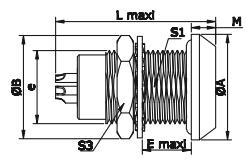
RM-EEG Panel Mount Fixed Receptacle, back panel mounting

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	13.5	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



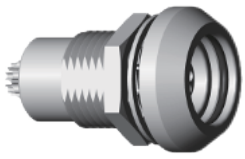
RM-EHG Panel Mount Fixed Receptacles, protruding shell

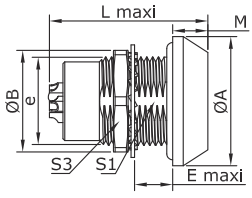
Reference		Dimensions(mm)								
Model	Series	A	B	e	E	L	M	N	S1	S3
RM-EHG	0B	10.0	12.4	M9*0.6	2.0	19.5	12.5	19.1	8.2	11.0
RM-EHG	1B	14.0	15.8	M12*1.0	4.0	21.7	12.0	21.1	10.5	14.0
RM-EHG	2B	18.0	19.2	M15*1.0	5.1	22.7	12.5	24.6	13.5	17.0



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

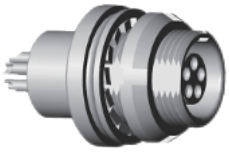
Reference		Dimensions(mm)							
Model	Series	A	B	e	E	L	M	S1	S3
RM-HGG	00B	11.0	10.2	M7*0.5	8.0	18.0	2.5	6.3	9.0
RM-HGG	0B	13.0	12.4	M9*0.6	7.0	21.5	3.0	8.2	11.0
RM-HGG	1B	18.0	15.8	M12*1.0	7.0	26.6	4.5	10.5	14.0
RM-HGG	2B	20.0	19.2	M15*1.0	8.0	31.6	4.0	13.5	17.0

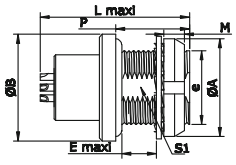




RM-HHG Panel Mounted Sealed Fixed Receptacle, front panel mounting

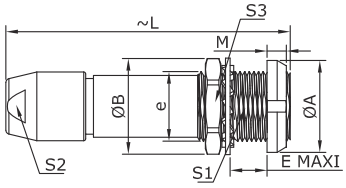
Reference		Dimensions(mm)							
Model	Series	A	B	e	E	L	M	S1	S3
RM-HHG	0B	13.0	12.4	M9*0.6	7.0	23.2	4.8	8.2	11.0
RM-HHG	1B	18.0	15.8	M12*1.0	7.0	30.3	5.2	10.5	14.0
RM-HHG	2B	20.0	19.2	M15*1.0	8.0	35.6	6.0	13.5	17.0





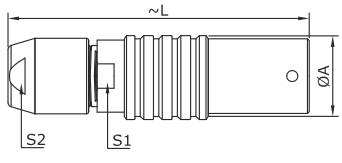
RM-HEG Panel Mount Sealed Fixed Receptacle, back panel mounting

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



RM-PFG Panel Mount Cable Receptacle, back panel mounting

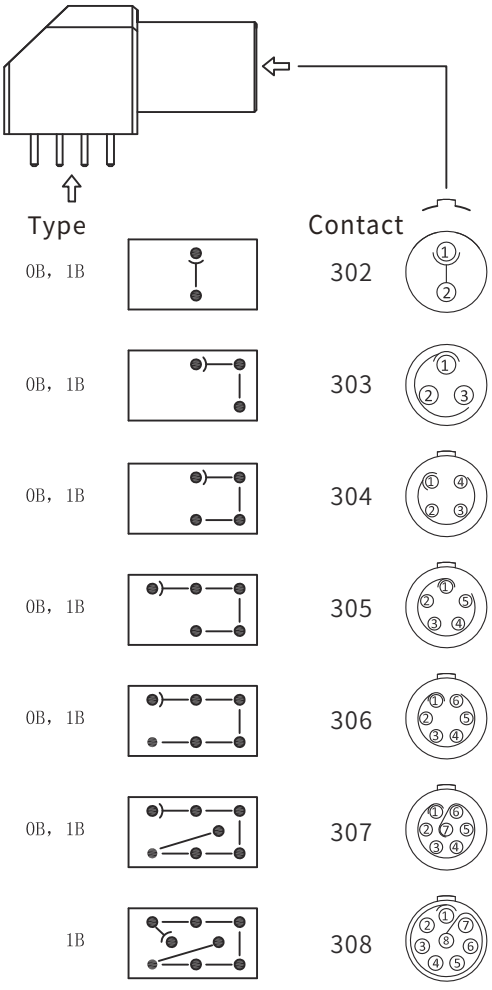
Reference		Dimensions(mm)								
Model	Series	A	B	e	E	L	M	S1	S2	S3
RM-PFG	0B	12.0	12.4	M9*0.6	5.0	35.5	2.5	8.2	7.0	11.0
RM-PFG	1B	16.0	15.8	M12*1.0	5.0	40.7	3.5	10.5	9.0	14.0
RM-PFG	2B	20.0	19.2	M15*1.0	6.5	47.0	3.5	13.5	12.0	17.0
RM-PFG	3B	24.0	25.0	M18*1.0	9.0	56.0	4.5	16.5	14.0	22.0



RM-PHG Cable Mount Receptacle

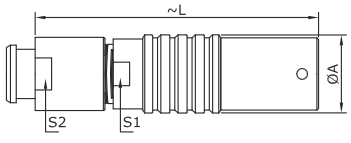
Reference		Dimensions(mm)			
Model	Series	A	L	S1	S2
RM-PHG	0B	9.5	35.5	8.0	7.0
RM-PHG	1B	12.5	40.5	10.0	9.0
RM-PHG	2B	16.5	47.0	13.0	12.0
RM-PHG	3B	19.0	56.0	15.0	14.0

Technical Characteristics



Electrical

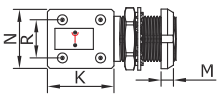
Model	Shell Size	Conract No.	Test voltage (contact-shell)k/v	Test voltage (contact-shell)k/v	Rated current/A
EPG-EXG	0B	302	1.45	1.20	4.5
EPG-EXG	0B	303	1.70	1.60	4.5
EPG-EXG	0B	304	1.30	1.10	4.5
EPG-EXG	0B	305	1.25	1.20	4.5
EPG-EXG	0B	306	1.25	1.20	2.5
EPG-EXG	0B	307	1.00	1.20	2.0
EPG-EXG	1B	302	1.70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

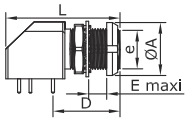


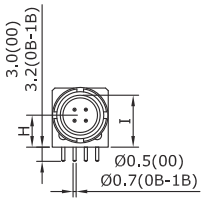
RM-PHG Cable Mount Receptacle, nut for fitting a bend relief

Reference		Dimensions(mm)			
Model	Series	A	L	S1	S2
RM-PHG	0B	9.5	35.5	8.0	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

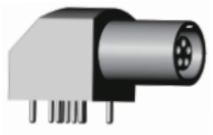
RM-EXG Elbow (90°) Receptacle for printed circuit, (solder or screw fixing) back panel mounting



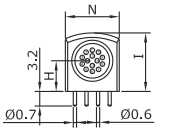


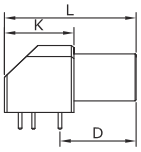


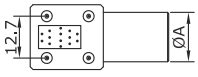
Model	Dimensions(mm)												
	A	B	D	e	E	H	I	K	L	M	N	R	S3
EXG.0BC.302.KP	12	12.4	14.6	M9*0.6	6	6.7	12.6	13.3	25	2.5	11.7	7.62	11
EXG.0BC.303.KP													
EXG.0BC.304.KP													
EXG.0BC.305.KP													
EXG.0BC.306.KP													
EXG.0BC.307.KP													
EXG.1BC.302.KP	14	15	16.6	M11*0.5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



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

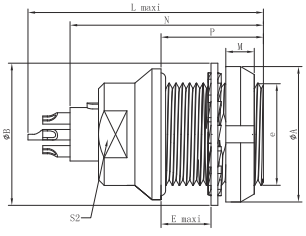




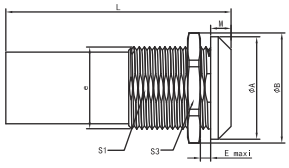


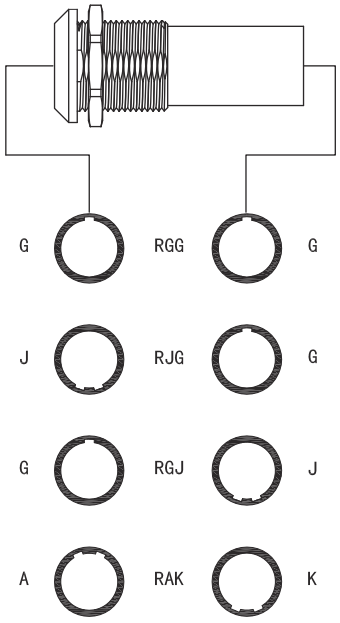
	Dimensions(mm)						
Model	A	D	H	I	K	L	N
EPG.1BC.314.KP	11	21	7.7	14.3	19	36	15.4

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)



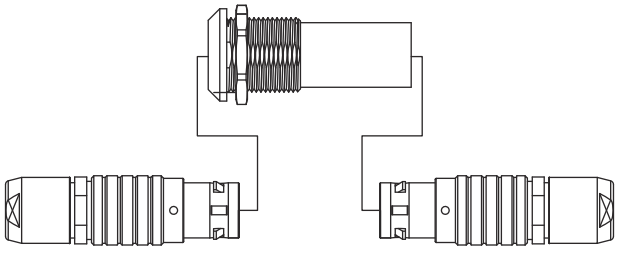
Reference		Dimensions(mm)								
Model	Series	A	B	e	E	L	M	N	P	S2
RM-EFG	0B	12	12.5	M9*0.6	5.5	20.7	2.5	19.1	9	8

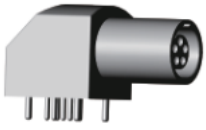




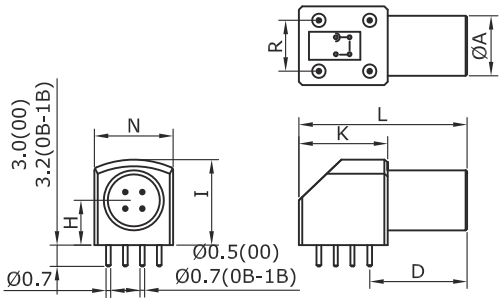
RM-RGG Fixed two-way, fixed with nuts, flange end with locating pin (G) or locating pin (A... G), and the other end with locating pin (J, K, and M)

Reference		Dimensions(mm)							
Model	Series	A	B	e	E	L	M	S1	S3
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	85	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	15.0	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	23.5	30



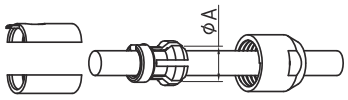


RM-EPG Elbow (90°) Receptacle for printed circuit, key (G) or keys(A..F) (solder or screw fixing)



Model	Dimensions(mm)							
	A	D	H	I	K	L	N	R
EPG.0BC.302.KP	9.0	14.6	6.7	12.6	13.3	25.0	11.7	7.62
EPG.0BC.303.KP								
EPG.0BC.304.KP								
EPG.0BC.305.KP								
EPG.0BC.306.KP								
EPG.0BC.307.KP								
EPG.1BC.302.KP	11.0	16.6	7.5	14.0	13.3	27.0	12.6	7.62
EPG.1BC.303.KP								
EPG.1BC.304.KP								
EPG.1BC.305.KP								
EPG.1BC.306.KP								
EPG.1BC.307.KP								
EPG.1BC.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

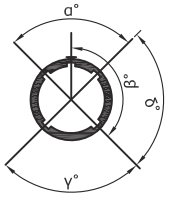
①This cable collet is only for crimping type cable collet, not fit for cable nut with bend relief type.

Alignment key and Polarized Keys(RM-B series)

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

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

Front view of receptacle



Code	Keys No.	Angles	Series		
			00	0B	1B
G	1		0°	0°	0°
A	2	α	30°	30°	30°
B	2		60°	60°	60°
C	2		-	90°	90°
D	2	β	-	135°	135°
E	2		-	145°	145°
F	2		-	155°	155°
J	2	γ	45°	45°	45°
K	2		-	70°	70°
L	2		-	80°	80°
M	2	δ	-	110°	-

Code	Keys No.	Angles	Series	
			2B	3B
G	1		0°	0°
A	2	α	30°	30°
B	2		45°	60°
C	2		60°	90°
D	2	γ	95°	135°
E	2	β	120°	145°
F	2		145°	155°
J	2	α	37.5°	45°
K	2		52.5°	70°
L	2	γ	70°	80°
M	2	δ	-	110°

Contact Type	
Plug	Receptacle
Male	Female
Male	Female
Male	Female
Male	Female
Male	Female
Male	Female
Male	Female
Female	Male
Female	Male
Female	Male
Female	Male

raymo
circular connector

RM-K Series

Metal Waterproof Push Pull Self-locking Connector

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

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

RM-K Series

Plugs

FGG

FGG

FPG

FAG

Receptacles

EGG

EEG

EEG

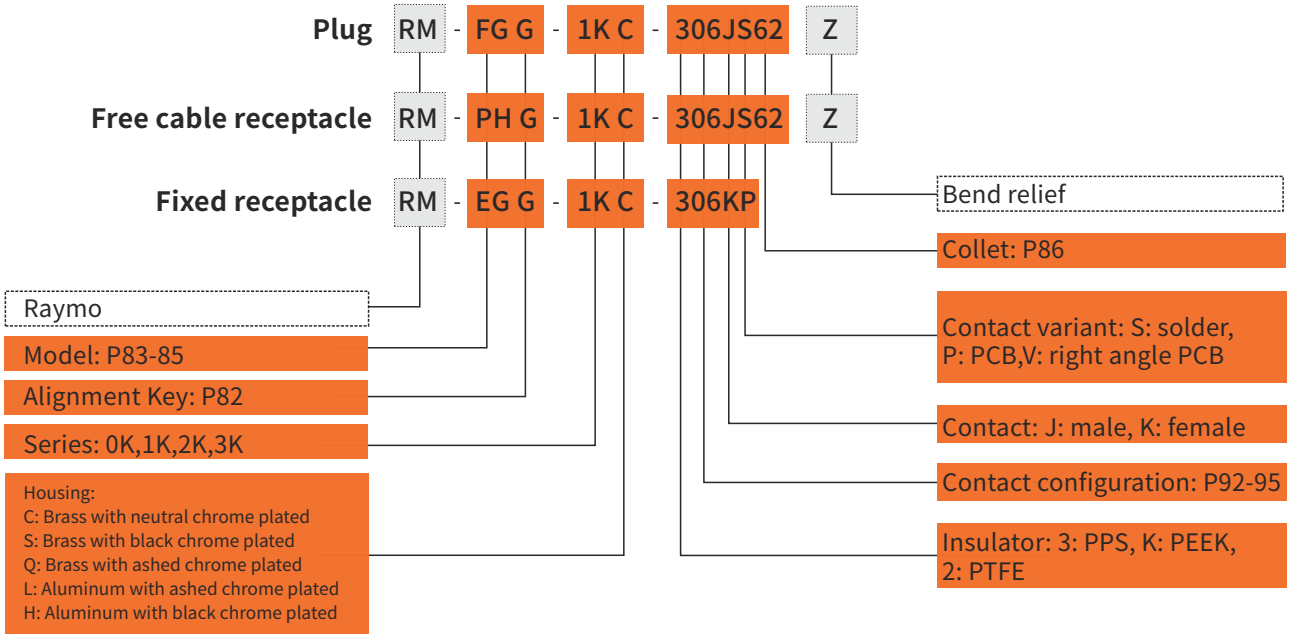
HGG

PHG

PHG

PEG

Part Numbering System



Part No.Example

Straight plug with cable collet

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

Free cable receptacle

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

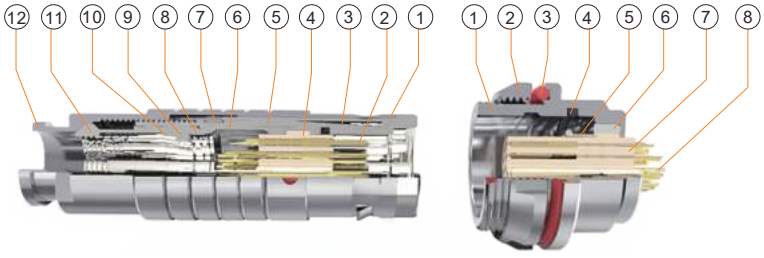
Fixed receptacle

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.

Part Section Showing Internal Components

Cable Mount Plug

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



Fixed Receptacle

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

RM-K

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

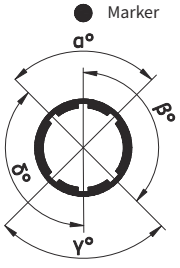
RM-K

Alignment key and Polarized keys(RM-K series)

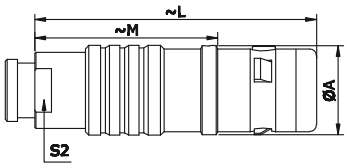
RM-K series connector model type are composed of five letters.

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

Front view of receptacle

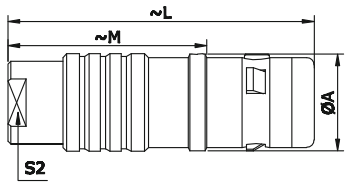


Code	Keys No.	Angles	Series				Contact Type	
			0K	1K	2K	3K	Plug	Receptacle
G	1		0°	0°	0°	0°	Male	Female
A	2	α	30°	30°	30°	30°	Male	Female
B	2		45°	45°	45°	45°	Male	Female
C	2		60°	60°	60°	60°	Male	Female
D	2	γ	95°	95°	95°	95°	Male	Female
E	2	β	120°	120°	120°	120°	Male	Female
F	2		145°	145°	145°	145°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



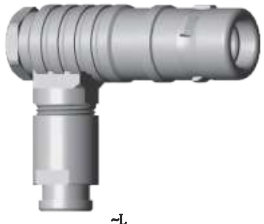
RM-FGG Cable Mount Straight Plug, nut for fitting a bend relief

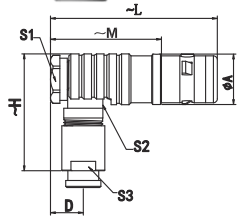
Reference		Dimensions(mm)			
Model	Series	A	L	M	S2
RM-FGG	0K	11.0	34.0	23.0	7.0
RM-FGG	1K	13.0	42.0	28.0	9.0
RM-FGG	2K	16.0	52.0	36.0	12.0
RM-FGG	3K	19.0	60.0	40.0	15.0



RM-FGG Cable Mount Straight Plug

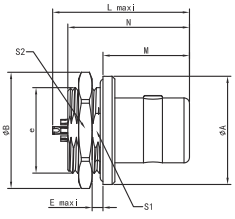
Reference		Dimensions(mm)			
Model	Series	A	L	M	S2
RM-FGG	0K	11.0	34.0	23.0	7.0
RM-FGG	1K	13.0	42.0	28.0	9.0
RM-FGG	2K	16.0	52.0	36.0	12.0
RM-FGG	3K	19.0	60.0	40.0	15.0





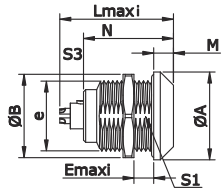
RM-FPG Cable Mount Straight Plug

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



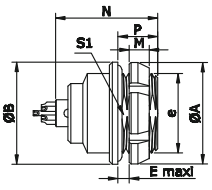
RM-FAG Fixed plug

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	16.0	22.5	14.5	19
RM-FAG	2K	25	27.0	M20*1.0	4.5	31.2	18.0	28.3	18.5	24
RM-FAG	3K	30	34.0	M24*1.0	4.0	36.3	22.5	33.8	22.5	30



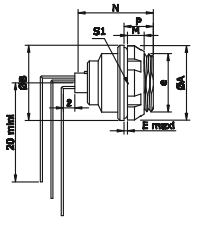
RM-EGG Panel Mount Fixed Receptacle

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



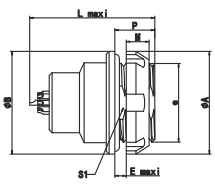
RM-EEG Panel Mount Fixed Receptacle, back panel mounting

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



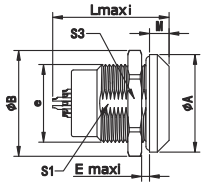
RM-EEG Panel Mount Fixed Receptacle elbow 90° contact for printed circuit (back panel mounting)

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



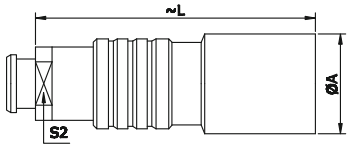
RM-HEG Panel Mount Fixed Receptacle

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



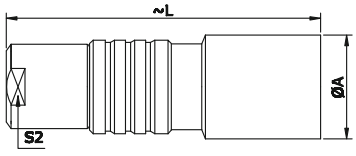
RM-HGG Panel Mount Fixed Receptacle, Watertight or vacumtight

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



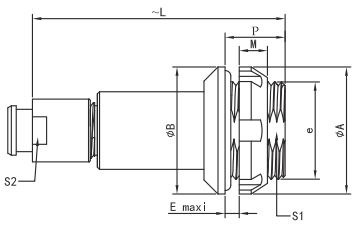
RM-PHG Cable Mounted Receptacles, nut for fitting a bend relief

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



RM-PHG Cable Mounted Receptacles

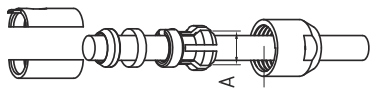
Reference		Dimensions(mm)		
Model	Series	A	L	S2
RM-PHG	0K	13.0	34.0	8.0
RM-PHG	1K	15.0	45.0	9.0
RM-PHG	2K	19.0	54.0	12.0
RM-PHG	3K	23.0	65.0	15.0



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 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

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

raymo
circular connector

RM-W Series

Deepsea Screw Locking Metal Connector

W series has same insualtor 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 resisiant designs
- Functional in a wide temperature range from -50°C to +250°C
- Available solder, PCB and right angle PCB contact

RM-W Series

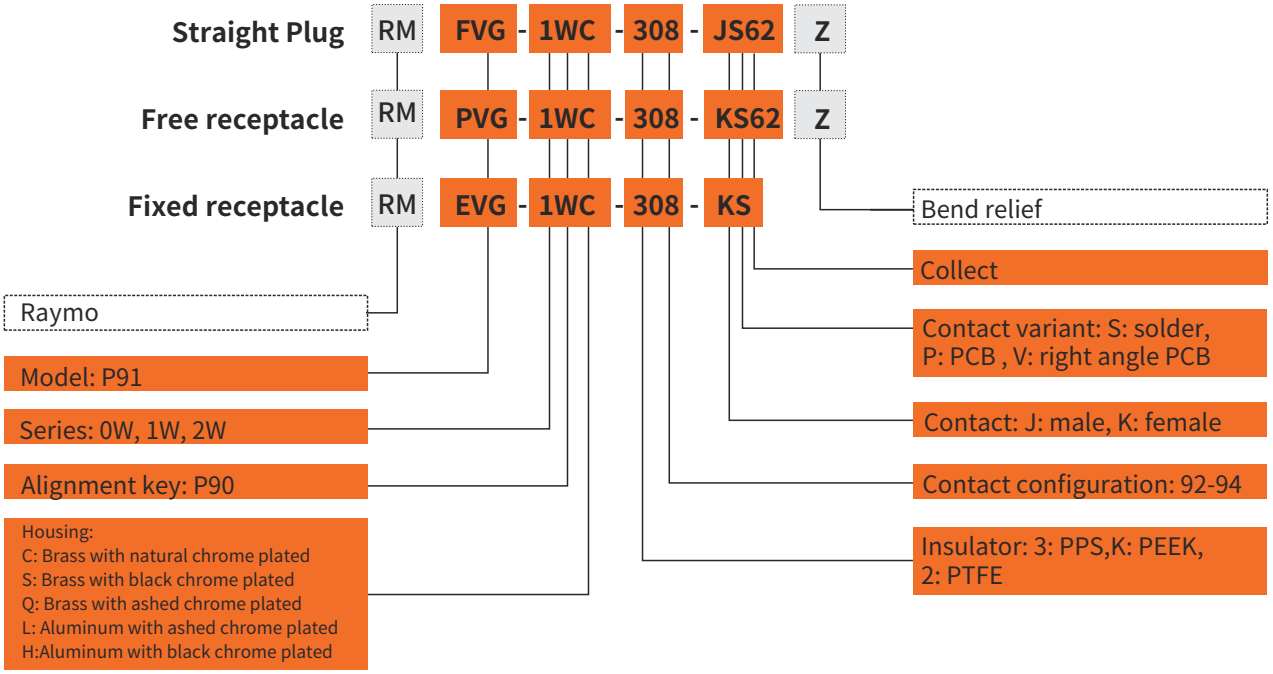
Plugs

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, ouer shell in natural chrome-plated brass, PPS insulator, male solder contacts, collet for 6.0 mm diameter cable, with a black bend relief IP68

Fixed receptacle

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

Free receptacle

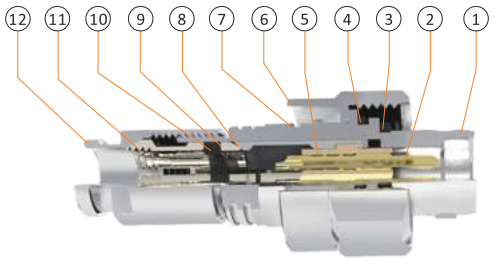
RM-PVG-1WC-308-KS62Z= free receptacle, 1W series, multipole 8pin, outer shell in natural chrome-plated brass, PPS insulator, female solder contacts, collet for 6.0 mm diameter cable, with a black bend relief IP68

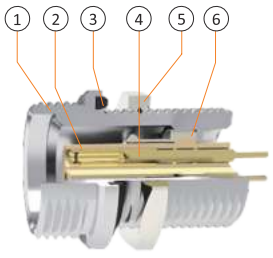
RM-W

Part Section Showing Internal Components

Cable Mount Plug

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





Fixed Receptacle

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

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

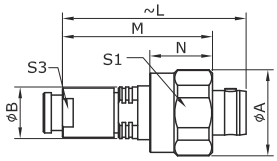
Alignment key and Polarized Keys(RM-W series)

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

Front view of receptacle

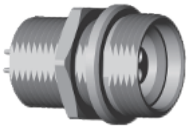
Code	Keys No.	Angles	Series				Contact Type		Remark
			0W	1W	2W	3W	Plug	Receptacle	
G	1		0°	0°	0°	0°	Male	Female	●
A	2	α	30°	30°	30°	30°	Male	Female	●
B	2		45°	45°	45°	45°	Male	Female	●
C	2	γ	60°	60°	60°	60°	Male	Female	○

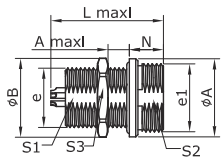
● Available
○ Optional



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

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

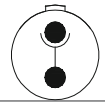
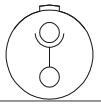
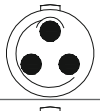
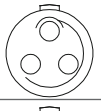
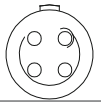
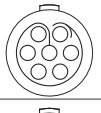
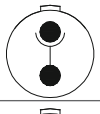
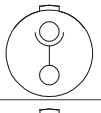
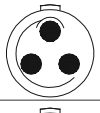
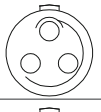
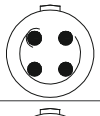
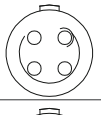
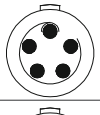
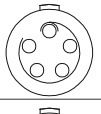
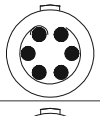
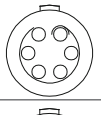
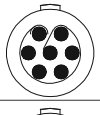
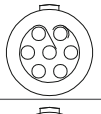
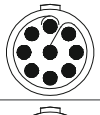
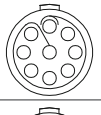
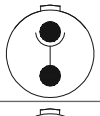
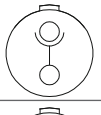
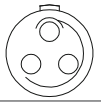




RM-EVG Fixed socket

Reference		Dimensions(mm)									
Model	Series	A	B	e	e1	E	L	N	S1	S2	S3
RM-EVG	0W	16.2	16.0	M12*1.0	M14*1.0	4.0	21.7	8	10.5	12.5	14
RM-EVG	1W	18.3	19.5	M14*1.0	M16*1.0	8.0	27.0	9	12.5	14.5	17
RM-EVG	2W	22.5	21.8	M16*1.0	M20*1.0	9.0	30.7	12	14.5	18.5	19

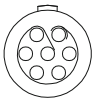
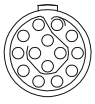
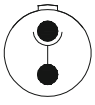
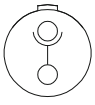
Insulator Configuration

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

RM-W

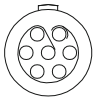
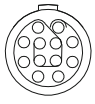
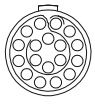
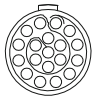
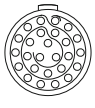
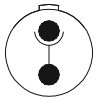
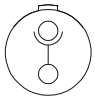
Insulator Configuration

	solder male contact	solder female contact	Insulator	Contact No.	ØA(MM)	Contact type			Test voltage(contact -shell) k/v AC-rms	Test voltage(contact -contact)k/v AC-rms	Rated current /A
						Solder contact	PCB straight contact	PCB elbow contact			
1B 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	●	●	●	0.90	1.50	2.5
			314	14	0.5	●	●	●	0.80	1.20	2.0
			316	16	0.5	●	●	●	0.80	1.25	1.5
2B 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	1.85	15.0
			305	5	1.3	●	●	●	1.75	1.60	14.0

● First choice alternative
○ Special order alterative

RM-W

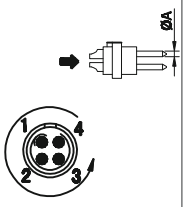
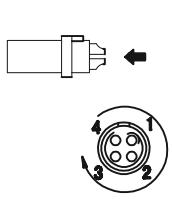
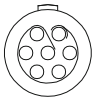
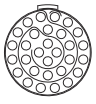
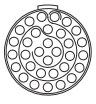
Insulator Configuration

	solder male contact	solder female contact	Insulator	Contact No.	ØA(MM)	Contact type			Test voltage(contact -shell) k/v AC-rms	Test voltage(contact -contact)k/v AC-rms	Rated current /A
						Solder contact	PCB straight contact	PCB elbow contact			
2B 2K 2W			306	4	1.3	●	●	●	1.35	1.45	12.0
			307	7	1.3	●	●	●	1.75	1.60	11.0
			308	8	0.9	●	●	●	1.50	1.25	10.0
			310	10	0.9	●	●	●	1.45	1.30	8.0
			312	12	0.7	●	●	●	1.25	1.35	7.0
			314	14	0.7	●	●	●	1.15	1.35	6.5
			316	16	0.7	●	●	●	0.95	1.25	6.0
			318	18	0.7	●	●	●	0.85	1.20	5.5
			319	19	0.7	●	●	●	0.95	1.25	5.0
			326	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 alterative

RM-W

Insulator Configuration

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

● First choice alternative
○ Special order alterative

RM-W

raymo
circular connector

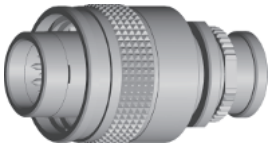
RM-M series

Ratchet-coupling mechanism

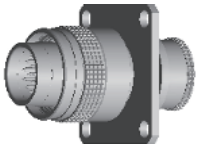
- Quick mating: less than 3/4 turn to seat
- Compact design for space savings, Lightweight
- Available solder,PCB and right angle PCB contact
- 360° screening for full EMC shielding
- Oil and fuel resistant and high vibration and shock resistance
- Sealed to IP68 when mated
- Colour coding / keying –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

RM-M Series

Plugs

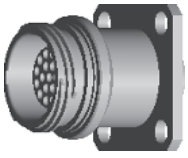


FMN

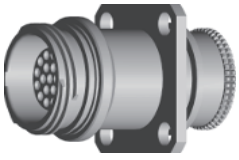


FXN

Receptacles

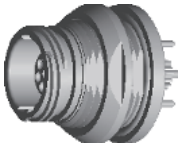


EDN



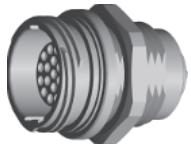
PFN

PBN

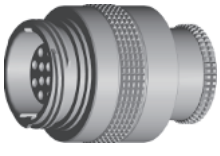


HEN

ECN

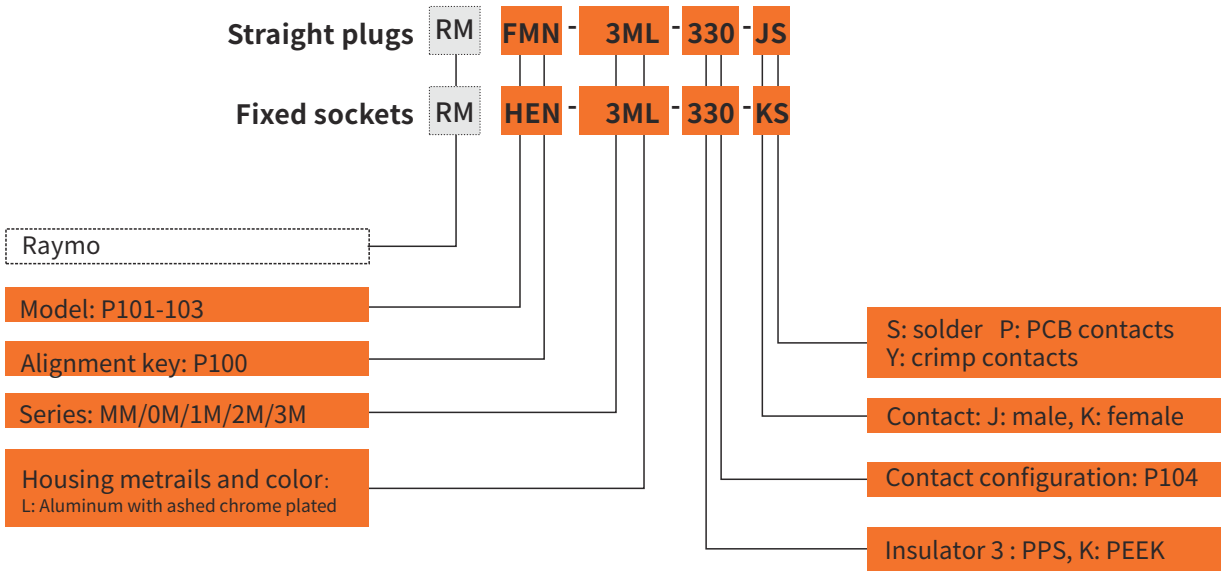


EGN



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.

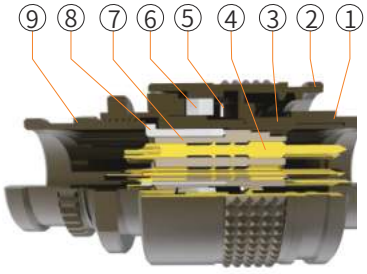
Fixed sockets

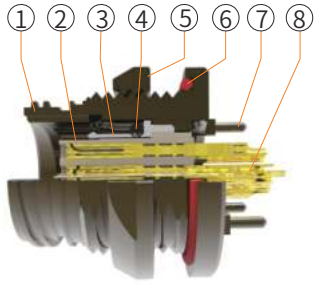
RM-HEN-3ML-330-KS= fixed socket, nut fixing, with key (N), 3M series, multipole type with 30 contacts, outer shell in ashed nickel-plated aluminium alloy, PPS, female solder contacts, watertight.

Part Section Showing Internal Components

straigth plug

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





Fixed socket

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

RM-M

Technical Characteristics

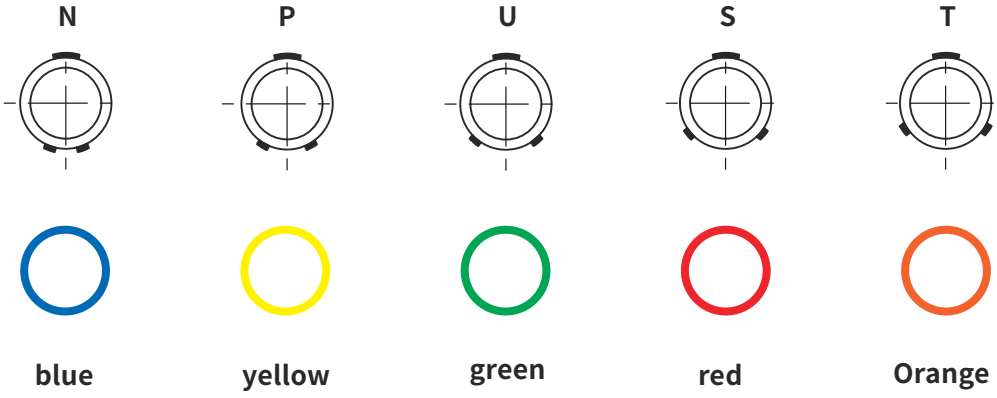
Mechanical and Climatical

Characteristics	Value	Standard
Endurance	3000 cycle	IEC60512-5test9a
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	> $10^{12}\Omega$, > $10^{10}\Omega$	IEC 60512-2

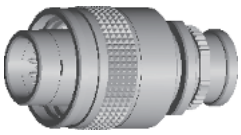
Electrical

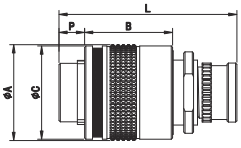
Characteristics		Value	Standard
Shielding	at 10 MHZ	>75 dB	IEC 60619-1-3
efficiency	at 1 GHz	>40 dB	IEC 60619-1-3

Alignment Key and Polarized Keying System



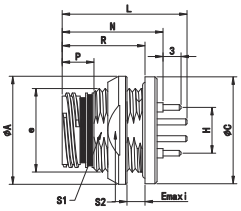
RM-M





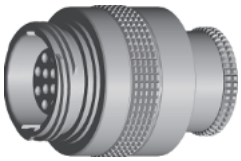
RM-FMN Straight plug, key (N) or keys (P, R, S, T, U, V, W and X)

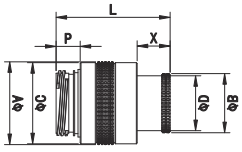
Reference		Dimensions(mm)				
Model	Series	A	B	C	P	L
RM-FMN	MM	11.1	13.4	10.7	5.5	21.3
RM-FMN	0M	13.1	13.4	12.7	3.9	24.1
RM-FMN	1M	14.6	13.4	14.2	3.9	24.1
RM-FMN	2M	17.6	13.4	17.2	3.9	24.5
RM-FMN	3M	19.6	13.4	19.2	3.9	24.5



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

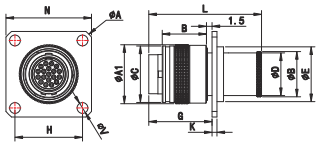
Reference		Dimensions(mm)									
Model	Series	A	B	e	E	H	L	N	P	R	S1	S2
RM-HEN	MM	14	13.8	M10*0.50	4.0	5.08	20.4	15.3	3.7	10.5	9.0	11
RM-HEN	0M	17	16.8	M13*0.75	5.0	5.08	20.8	16.8	5.3	13.8	11.5	14
RM-HEN	1M	18	17.8	M14*1.00	5.0	7.62	20.8	16.8	5.3	13.8	12.5	16
RM-HEN	2M	21	20.8	M17*1.00	5.0	8.89	20.8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





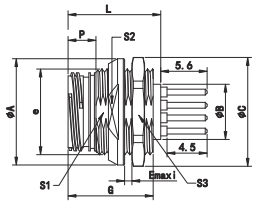
RM-PMN Free socket, key (N) or keys (P, R, S, T, U, V, W and X), with knurled grip.

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



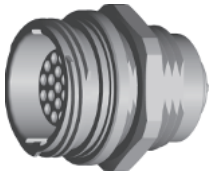
RM-FXN Straight plug with square flange,key (N) or keys (P, R, S, T, U, V, W and X) , with knurled grip and MIL-DTL-38999L shell thread.

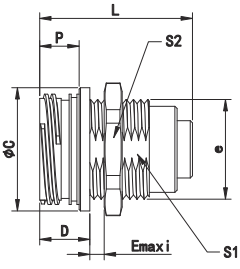
Reference		Dimensions(mm)											
Model	Series	A	A1	B	C	D	E	G	H	K	L	N	V
RM-FXN	MM	21.5	11.1	6.4	10.7	5.6	9.5	17.0	12.0	1.5	26.1	17.0	2.7
RM-FXN	0M	26.9	13.1	8.8	12.7	8.0	12.2	18.9	15.1	1.5	29.1	20.6	2.7
RM-FXN	1M	31.4	14.6	10.5	14.2	9.7	13.7	18.9	18.3	1.5	29.1	23.8	3.3
RM-FXN	2M	34.6	17.6	14.0	17.2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



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

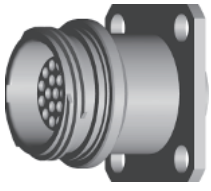
Reference		Dimensions(mm)									
Model	Series	A	B	C	E	e	G	L	P	S1	S2	S3
RM-ECN	MM	14	2.85	13.5	5.0	M10*0.50	13.8	15.0	3.7	9.0	11.0	12.0
RM-ECN	0M	17	4.72	18.2	5.0	M13*0.75	16.8	18.3	5.3	11.5	14.0	16.0
RM-ECN	1M	18	5.95	19.2	5.0	M14*1.00	16.8	18.3	5.3	12.5	16.0	17.0
RM-ECN	2M	21	8.95	21.5	4.0	M17*1.00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

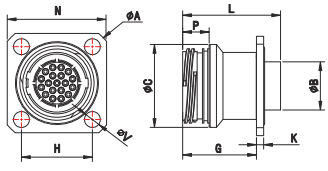




RM-EGN Fixed socket，nut fixing, key (N) or keys (P, R, S, T, U,V,W and X)

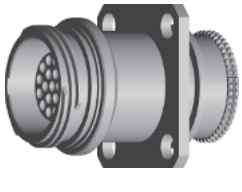
Reference		Dimensions(mm)							
Model	Series	C	D	e	E	L	P	S1	S2
RM-EGN	0M	12.7	6.8	M9*0.6	5.0	16.8	5.3	8.2	11
RM-EGN	1M	14.2	6.8	M11*1.0	4.5	16.8	5.3	9.5	13
RM-EGN	2M	17.2	7.6	M14*1.0	4	15.6	5.3	12.5	17

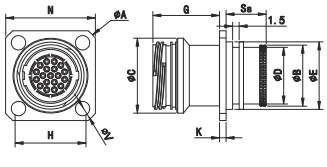




RM-EDN Fixed socket with square flange，key (N) or keys (P, R, S, T, U, V, W and X)

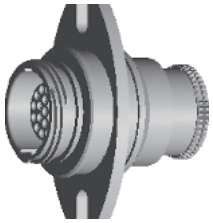
Reference		Dimensions(mm)									
Model	Series	A	B	C	G	H	K	L	N	P	V
RM-EDN	MM	18.6	4.7	10.7	10.7	9.5	1.5	17.0	14.5	3.7	2.7
RM-EDN	0M	20.6	4.72	12.7	12.7	11.0	1.5	18.3	16.0	5.3	2.7
RM-EDN	1M	23.8	5.95	14.2	14.2	12.9	1.5	18.3	18.4	5.3	3.3
RM-EDN	2M	26.9	8.95	17.2	17.2	15.1	1.5	18.3	20.6	5.3	3.3
RM-EDN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

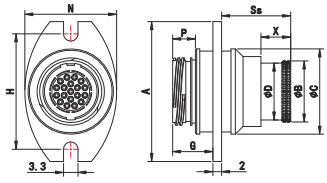




RM-PFN Fixed socket with antivibration flange，key (N) or keys (P, R, S, T, U, V, W and X)

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

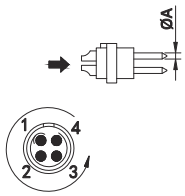
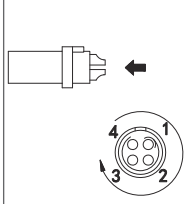
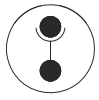
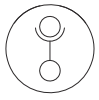
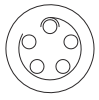
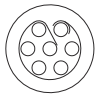
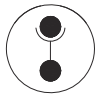
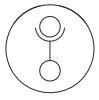




RM-PBN Fixed socket with two nuts, key (N) or keys (P, R, S, T, U, V, W and X)

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

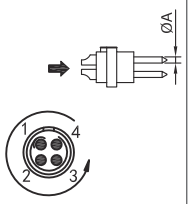
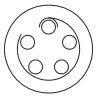
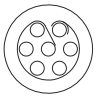
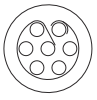
Technical Characteristics

	solder male contact	solder female contact	Insulator	Contact No.	ØA(MM)	Contact type			Test voltage(contact -shell) k/v AC-rms	Test voltage(contact -contact)k/v AC-rms	Rated current /A
						Solder contact	PCB straight contact	AWG (Max)			
MM			303	3	0.5	●	●	28	1.15	0.95	3.0
			304	4	0.5	●	●	28	0.95	0.90	2.0
0M			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
1M			302	2	1.3	●	●	20	1.50	1.10	19.0
			303	3	1.3	●	●	20	1.05	0.95	15.5

● First choice alternative
○ Special order alterative

RM-M

Technical Characteristics

	solder male contact	solder female contact	Insulator	Contact No.	ØA(MM)	Contact type			Test voltage(contact -shell) k/v AC-rms	Test voltage(contact -contact)k/v AC-rms	Rated current /A
						Solder contact	PCB straight contact	AWG(Max)			
1M			305	5	0.9	●	●	22	1.30	1.30	9.0
			307	7	0.7	●	●	22	1.45	1.20	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
			308	8	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 alterative

RM-M

PCB Application

raymo
circular connector

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
- Avaitable solder，PCB and right angle PCB contact

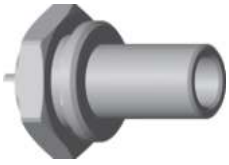
RM-S Series

Plugs

FFA

FFA

FFY



FAA

Receptacles

ERA

ERN

ERC

HGP

HEP

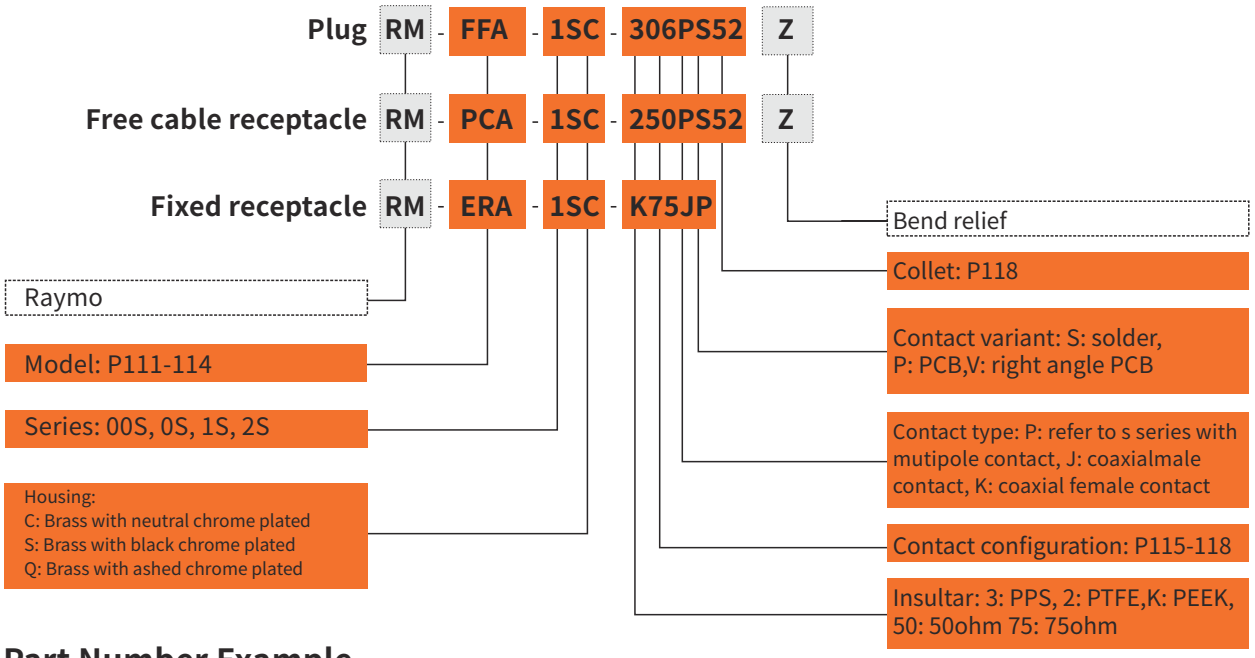
EWV

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, PPSs insulator, 3 male and 3 female solder contacts, cable collet for 4.2-5.2 mm diameter cable, with a black bend relief.

Fixed receptacle

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

Free cable receptacle

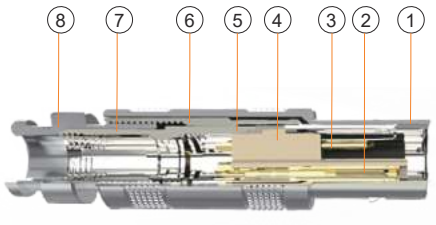
RM-PCA-1SC-250-KS52Z= free cable receptacle with cable collet, 1S series, coaxial female contact, outshell in natural chrome-plated brass, PTFE insulator, collet for 4.2-5.2mm diameter cable with a black colour bend relief.

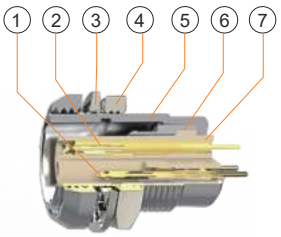
RM-S

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

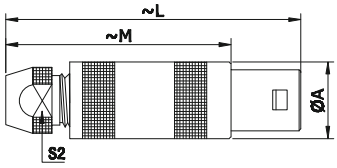
Technical Characteristics

Mechanical and Climatical

Characteristics	Value	Standard
Endurance	>5000cycles	IEC60512-5test9a
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)	IP50	IEC 60529
Climatical category	55/175/21	IEC 60068-1

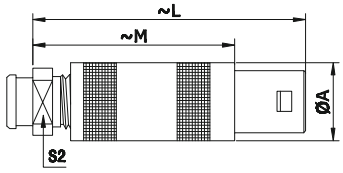
Electrical

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



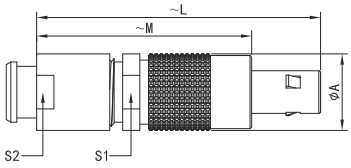
RM-FFA Cable Mount Straight Plug

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



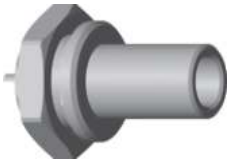
RM-FFA Cable Mount Straight Plug and Nut for fitting a bend relief

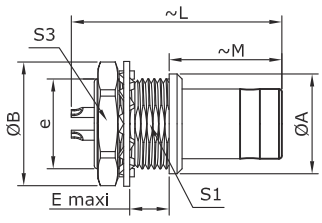
Reference		Dimensions(mm)			
Model	Series	A	L	M	S2
RM-FFA	00S	6.4	26.0	18.0	4.5
RM-FFA	0S	9.0	34.5	24.5	6.5
RM-FFA	1S	12.0	42.5	31.5	8.5
RM-FFA	2S	14.8	52.0	40.0	11.0
RM-FFA	3S	17.8	61.0	46.0	14.0



RM-FFY Cable Mount Straight Plug

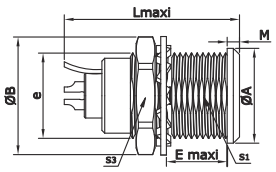
Reference		Dimensions(mm)				
Model	Series	A	M	L	S1	S2
RM-FFY	00S	8.9	25.0	33	8.0	8.0





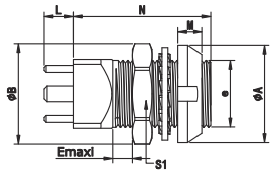
RM-FAA Cable Mount Straight Plug

Reference		Dimensions(mm)							
Model	Series	A	B	e	E	L	M	S1	S3
RM-FAA	00S	8.0	10.2	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	8.2	11.0
RM-FAA	1S	14.0	15.8	M12*1.0	2.5	22.5	12.5	10.5	14.0
RM-FAA	2S	18.0	19.2	M15*1.0	4.0	25.0	13.8	13.5	17.0



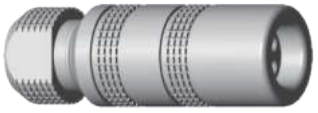
RM-ERN Panel Mount Fixed Receptacle, Nut fixing,with earthing tag

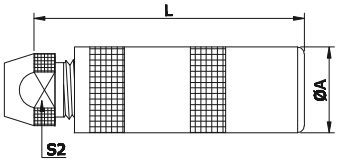
Reference		Dimensions(mm)								
Model	Series	A	B	e	E	L	L[1)]	M	S1	S3
RM-ERN	0S	10.0	12.4	M9*0.6	7.0	19.3	19.3	1.2	8.2	11.0
RM-ERN	1S	14.0	15.8	M12*1.0	7.5	22.4	22.4	1.5	10.5	14.0
RM-ERN	2S	18.0	19.2	M15*1.0	8.5	26.3	26.3	1.8	13.5	17.0
RM-ERN	3S	22.0	25.0	M18*1.0	11.5	29.8	29.8	2.0	16.5	22.0



RM-EPE Panel Mount Receptacle

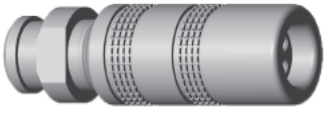
Reference		Dimensions(mm)							
Model	Series	A	B	e	E	M	N	L	S1
RM-ERE	00S	10.0	10.2	M7*0.5	4.5	2.5	14.0	3.0	9.0

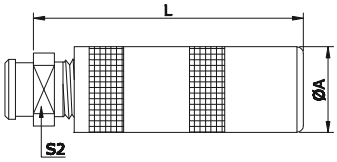




RM-PCA Cable Mount Receptacle

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

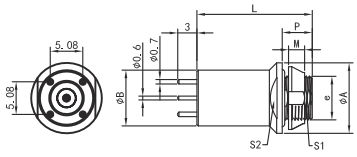




RM-PCA Cable Mount Receptacle, nut for fitting a bend relief

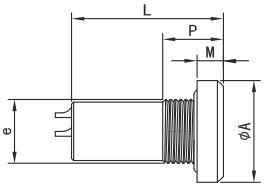
Reference		Dimensions(mm)		
Model	Series	A	L	S2
RM-PCA	00S	6.5	25.0	6.0
RM-PCA	0S	8.9	33.5	7.0
RM-PCA	1S	11.9	40.5	9.0
RM-PCA	2S	14.8	50.0	12.0
RM-PCA	3S	17.8	59.0	14.0

RM-HEP Panel mount fixed receptacle



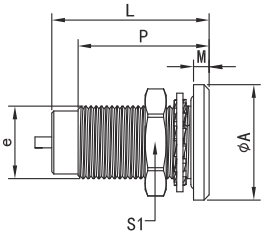
Reference		Dimensions(mm)							
Model	Series	A	B	e	P	L	M	S1	S2
RM-HEP	00S	11.0	8.7	M7*0.5	4.7	18.0	2.5	6.3	9.0

RM-EWV Panel mount fixed receptacle



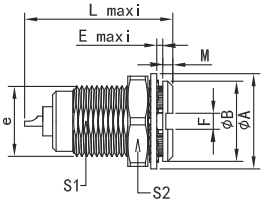
Reference		Dimensions(mm)				
Model	Series	A	e	P	L	M
RM-EWV	00S	11.0	M7*0.5	6	15.0	2.6

RM-HGP Panel mount fixed receptacle

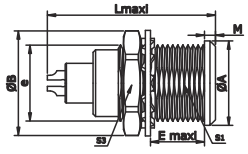


Reference		Dimensions(mm)					
Model	Series	A	e	P	L	M	S1
RM-HGP	00S	11.0	M7*0.5	12.5	15.0	1.5	9.0

RM-ERC Panel mount fixed receptacle



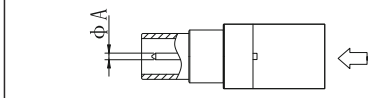
Reference		Dimensions(mm)								
Model	Series	A	B	e	E	F	L	M	S1	S2
RM-ERC	00S	8.0	10.0	M7*0.5	5.5	1.6	14.5	1.0	6.3	9.0
RM-ERC	0S	10.0	12.4	M9*0.6	2.0	1.6	18.5	1.2	8.2	11.0
RM-ERC	1S	14.0	15.8	M12*0.7	2.5	1.6	20.5	1.5	10.5	14.0



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	10.2	M7*0.5	5.5	14.5	1.0	6.3	9.0
RM-ERA	0S	10.0	12.4	M9*0.6	7.0	17.5	1.2	8.2	11.0
RM-ERA	1S	14.0	15.8	M12*1.0	7.5	20.2	1.5	10.5	14.0
RM-ERA	2S	18.0	19.2	M15*1.0	8.5	24.5	1.8	13.5	17.0
RM-ERA	3S	22.0	25.0	M18*1.0	11.5	29.0	2.0	16.5	22.0

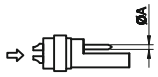
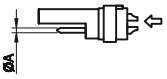
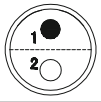
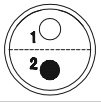
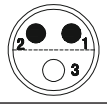
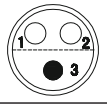
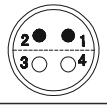
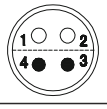
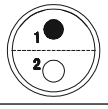
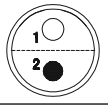
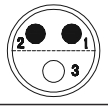
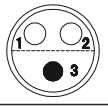
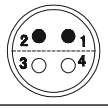
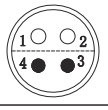
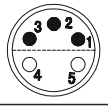
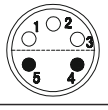
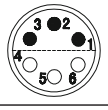
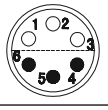
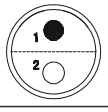
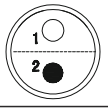
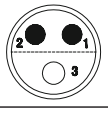
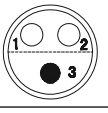
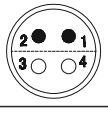
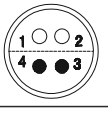
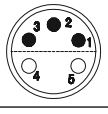
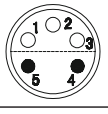
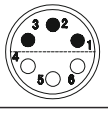
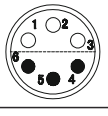
Insulator Configuration

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

● First choice alternative
○ Special order alterative

RM-S

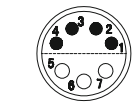
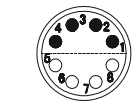
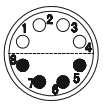
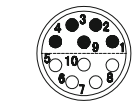
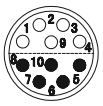
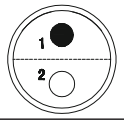
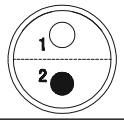
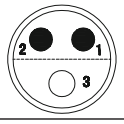
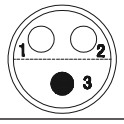
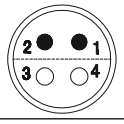
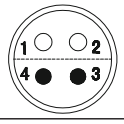
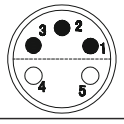
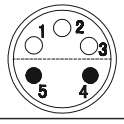
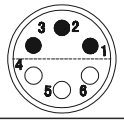
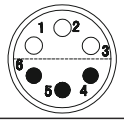
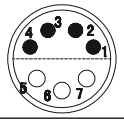
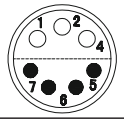
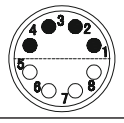
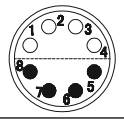
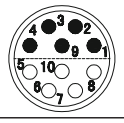
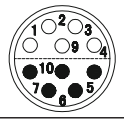
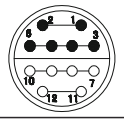
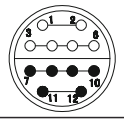
Insulator Configuration

	solder male contact	solder female contact	Insulator	Contact No.	ØA(MM)	Contact type			Test voltage(contact -shell) k/v AC-rms	Test voltage(contact -contact)k/v AC-rms	Rated current /A
						Solder contact	PCB straight contact	PCB elbow contact			
0S			302	2	0.9	●	●	●	1.50	2.10	10.0
			303	3	0.7	●	●	●	1.00	1.50	7.0
			304	4	0.7	●	●	●	1.00	1.50	7.0
1S			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
2S			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 alterative

RM-S

Insulator Configuration

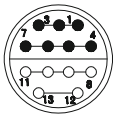
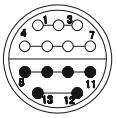
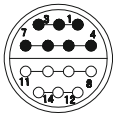
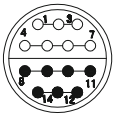
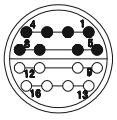
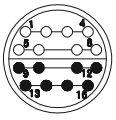
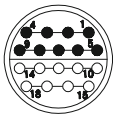
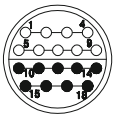
solder male contact	solder female contact	Insulator	Contact No.	ØA(MM)	Contact type			Test voltage(contact -shell) k/v AC-rms	Test voltage(contact -contact)k/v AC-rms	Rated current /A
					Solder contact	PCB straight contact	PCB elbow contact			
		307	3 4	1.3 0.9	●	○	○	0.80 0.80	1.20 1.20	12.0 9.0
		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

3S

● First choice alternative
○ Special order alterative

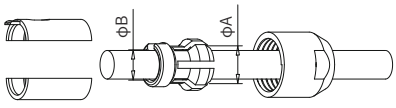
RM-S

Insulator Configuration

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

● First choice alternative
○ Special order alterative

RM-S series Cable collet



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

raymo
circular connector

RM-P Series

Plastic Push Pull Self-locking Connector

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

RM-P Series

Plugs (plastic)

PAG

PAG

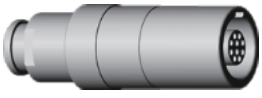
Receptacles (plastic)

PKG

PLG

PKG

PRG



PRG

Plugs (metal)

PAG

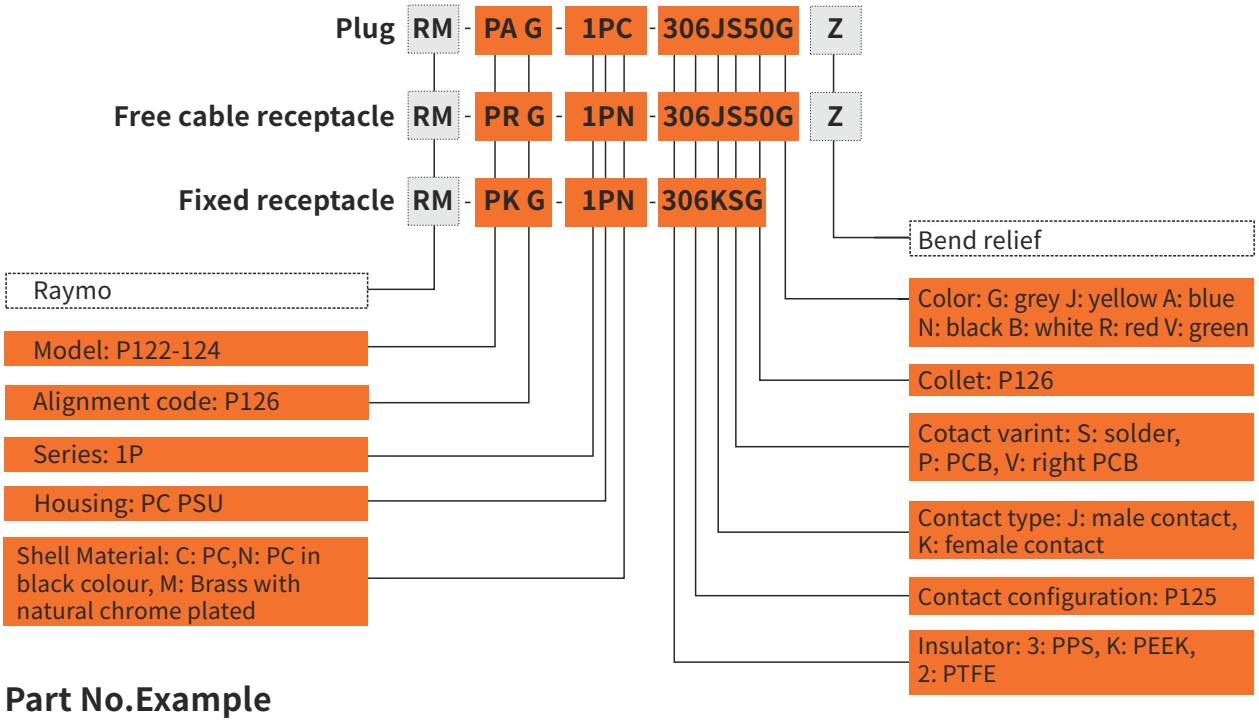
PAG

Receptacles (metal)

HHG

PHG

Part Numbering System



Part No.Example

Straight plug

RM-PAG-1PC-306JS52GZ= 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.

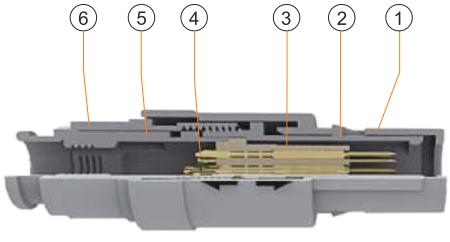
Fixed receptacle

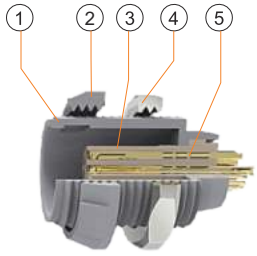
RM-PKG-1PC-306KSG= fixed receptacle with two nuts and alignment key(G=0 degree), multipole 6 female contacts in solder type, gray colour PCouter shell, PPS insulator, gray colour plastic front nut.

Part Section Showing Internal Components

Cable Mount Plug

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





Fixed Receptacle

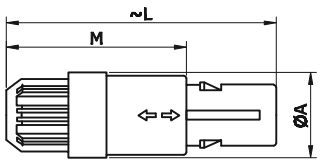
① outer shell
② Front notched nut
③ Insulator
④ Hexagonal nut
⑤ Female contact

RM-P

Technical Characteristics

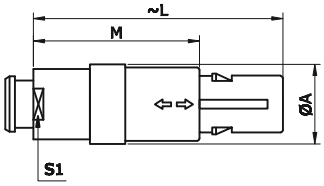
Mechanical and Climatical

Characteristics	Value	Standard
Endurance	>1000cycles	IEC60512-5test9a
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



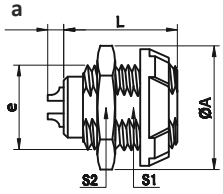
RM-PAG Cable Mount Straight plug

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



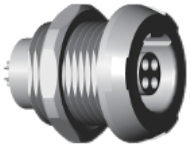
RM-PAG Cable Mount Straight plug, nut for fitting a bend relief

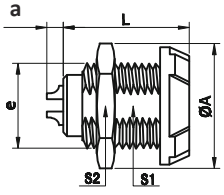
Reference		Dimensions(mm)			
Model	Series	A	L	M	S1
RM-PAG	1P	14	45.5	32	9



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

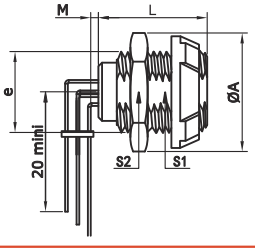
Reference		Dimensions(mm)					
Model	Series	A	L	a	e	S1	S2
RM-PKG	1P	18.5	20.5	2.7	M14*1.0	12.5	17





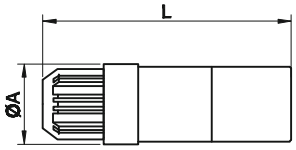
RM-PLG Fixed Receptacle, all-in-one type, key(G) or and nut fixing

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



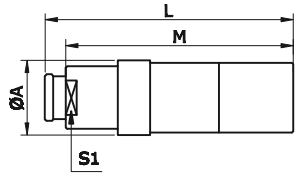
RM-PKG Fixed Receptacle with two nuts, back panel mounting elbow 90° contact for princted circuit

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



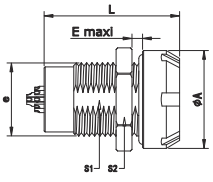
RM-PRG Cable Mount Receptacle

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



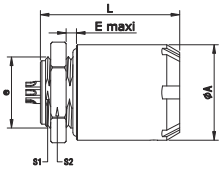
RM-PRG Cable Mount Receptacle, nut for fitting a bend relief

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



RM-HHG Fixed metal socket

Reference		Dimensions(mm)					
Model	Series	A	B	E	e	S1	S2
RM-HHG	1P	18.5	26.6	10	M14*1.0	12.5	17



RM-PHG Fixed metal socket

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

RM-P

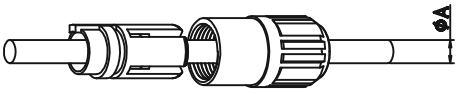
Technical Characteristics

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

● First choice alternative
○ Special order alterative

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

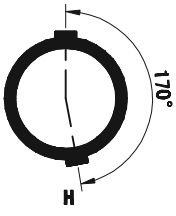
Alignment keys:

G=standard key

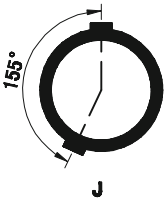
A=two keys with 40 degree

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

raymo
circular connector

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

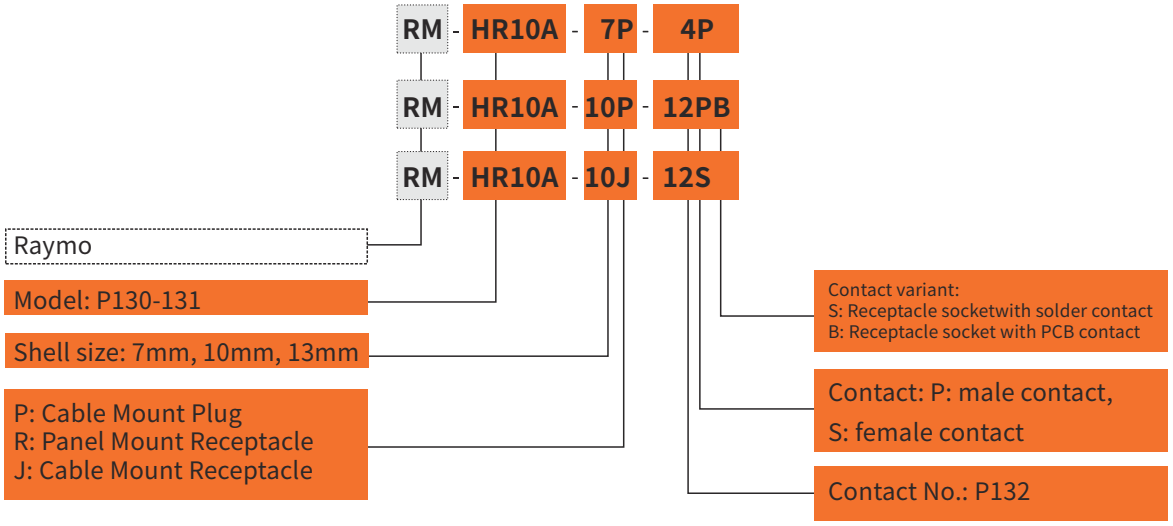
HR10A

HR10A

HR10A

HR10A

Part Numbering System



Part No.Example

Straight plug with cable collet

RM-HR10A-7P-6P= Cable Mount plug, HR10A sereis, 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 incked-plated brass, PPS insulator.

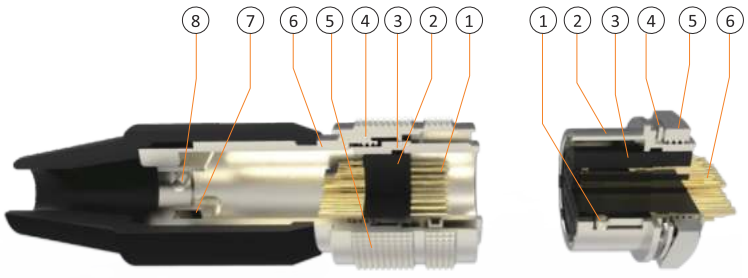
Free cable receptacle

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 blackcolour bend relief.

Part Section Showing Internal Components

Straight Plug

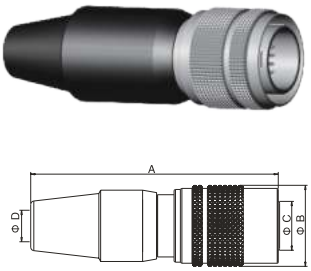
① Male contact
② Insulator
③ Inner shell
④ Snap Spring
⑤ Outer shell
⑥ Ground crown
⑦ Screw
⑧ U collet nut



Fixed Receptacle

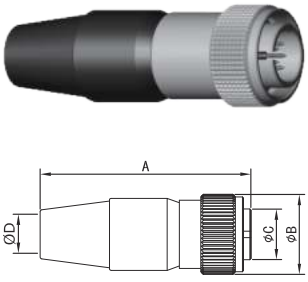
① Locking spring
② Outer shell
③ Insulator
④ Locking gasket
⑤ Hexagonal nut
⑥ Female contact

RM-H



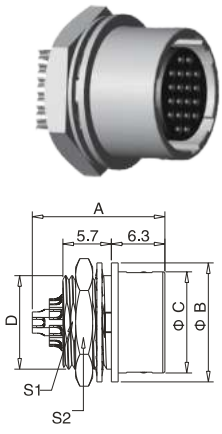
HR10A Cable mount plug

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



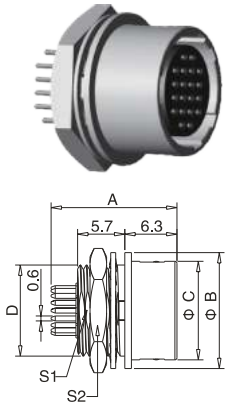
HR10A Cable mount plug

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



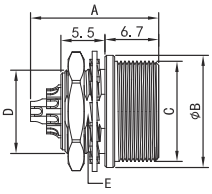
HR10A Panel mount receptacle

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	19.2	18	15.4	M8*0.5	17



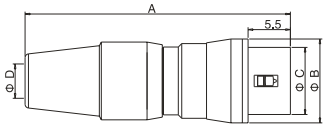
HR10A Panel mount receptacle，printed PCB contact

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



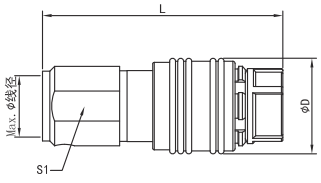
HR10A Panel mount receptacle

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



HR10 Cable mount receptacle

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

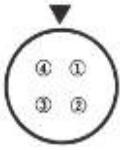
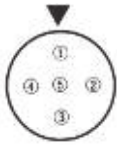
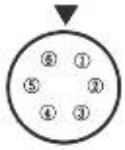
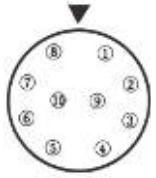
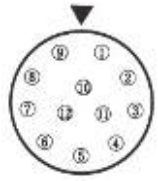


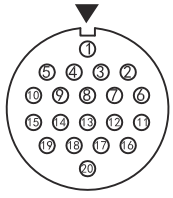
HR25A push pull self-latching plug

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

RM-H

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		AC300V for a minute	
Test Current	2A	2A		2A	
Insulation Resistance	MIN 1000MΦ	MIN 1000MΦ		MIN 1000MΦ	
Contact Resistance	MAX 10mΦ	MAX 10mΦ		MAX 10mΦ	
Solder cup OD	Φ0.8	Φ0.8		Φ0.8	

shell size	13 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 1000MΦ	MIN 1000MΦ
Contact Resistance	MAX 10mΦ	MAX 10mΦ
Solder cup OD	Φ0.8	Φ0.8

Note:

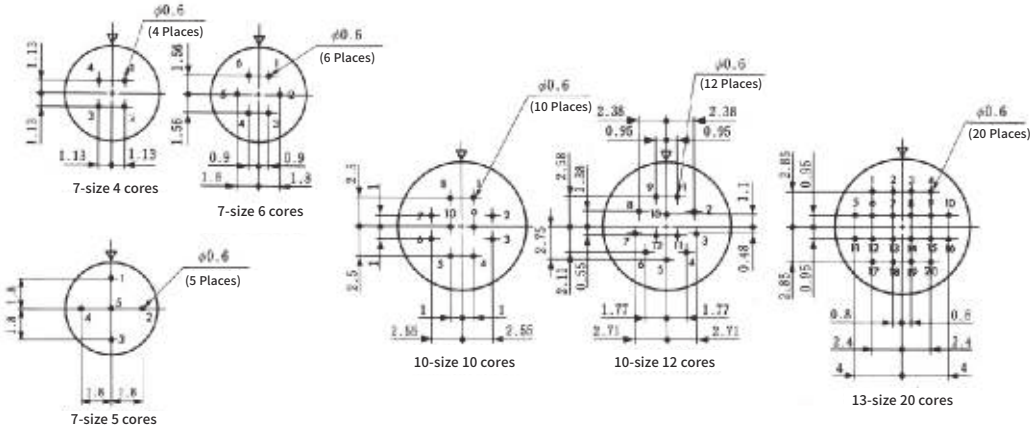
1:Above view is from socket front view.

2: Voltae is test voltage.

3: Insulator resistance is tested based on DC100V.

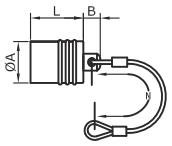
4: Contact resistance is tested based on DC100V.

Receptacle PCB type pinout

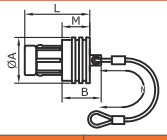


RM-H

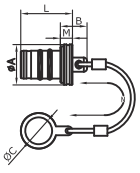
raymo
circular connector



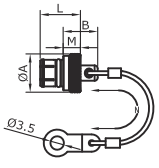
Reference		Dimensions(mm)			
Model	Series	A	B	L	N
TFG.0F01C.GSW-65	0F	9.8	4	12.5	65
TFG.1F01C.GSW-85	1F	12.0	4	15.5	85
TFG.AF01C.GSW-85	AF	12.5	4	14	85
TFG.2F01C.GSW-120	2F	15.6	4	15	120



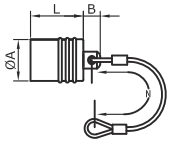
Reference		Dimensions(mm)				
Model	Series	A	B	L	M	N
ZFG.0F03C.GSW-60	0F	11	9.9	12.8	3	60
ZFG.1F03C.GSW-85	1F	14	12	19.9	6.4	85
ZFG.AF03C.GSW-100	AF	14.6	11.7	18.4	8.5	85
ZFG.2F03C.GSW-150	2F	16	11	19.2	7	85



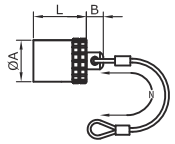
Reference		Dimensions(mm)					
Model	Series	A	B	C	L	M	N
ZFG.0F01C.GSW.005-60	0F	11.5	6.5	9.1	12.8	3	60
ZFG.1F01C.GSW.009-85	1F	14	8.5	14.1	10.5	4.5	85
ZFG.AF01C.GSW.009-85	AF	14	5.8	14.1	13.7	2.3	85
ZFG.2F01C.GSW.014-120	2F	16	8.9	16.1	17.0	4.9	120



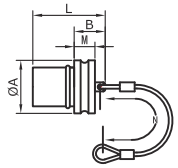
Reference		Dimensions(mm)				
Model	Series	A	B	L	M	N
ZFG.0B01C.GSW.007-85	0S-0B	10.0	9.0	10.5	4.5	85
ZFG.1B01C.GSW.007-85	1S-1B	14.0	9.5	12.5	5.0	85
ZFG.2B01C.GSW.007-85	2S-2B	18.0	12.0	14.0	6.0	85
ZFG.3B01C.GSW.007-120	3S-3B	22.0	14.0	18.0	8.0	120



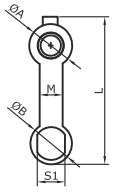
Reference		Dimensions(mm)			
Model	Series	A	B	L	N
TFG.0B01C.GSW-60	0B	10.6	4	10	60
TFG.1B01C.GSW-85	1B	12.0	4.5	12.2	85
TFG.2B01C.GSW-85	2B	15.0	5	13.8	85
TFG.2B01C.GSW-95	3B	18.5	5	18.5	95



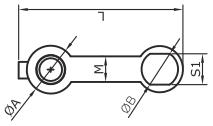
Reference		Dimensions(mm)			
Model	Series	A	B	L	N
TFG.0K01C.GSW-85	0K	14.0	6	12.5	85
TFG.1K01C.GSW-85	1K	16	5	15.5	85
TFG.2K01C.GSW-85	2K	19.5	5	17.5	85
TFG.3K01C.GSW-120	3K	23.0	6	22.0	120



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



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



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

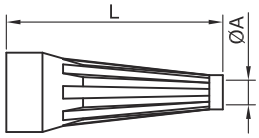
Product model explanation:

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 panle socket, key 1, natural color
ZFG.0K01S.GSH-85 ZFG 0K protective cap for panle socket, key 1, black color

RM

Main characteristics

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



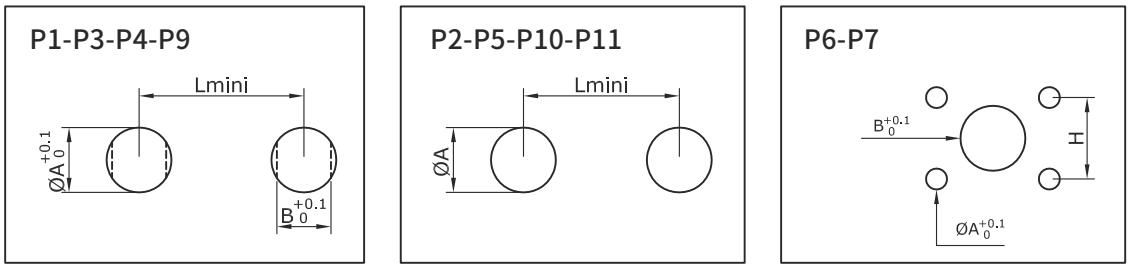
Shell Size	CableΦ		Dimensions (mm)		Part Number
	min	max	A	L	
00	2.8	3.1	2.8	22	RM-GMA-0B-028-DN
0B 0S 0K 0F	3.0	3.4	2.5	24	RM-GMA-0B-025-DN
	2.5	3.0	3.0	24	RM-GMA-0B-030-DN
	3.0	3.5	3.5	24	RM-GMA-0B-035-DN
	3.5	4.0	4.0	24	RM-GMA-0B-040-DN
	4.0	4.5	4.5	24	RM-GMA-0B-045-DN
	4.5	5.5	5.5	27	RM-GMA-0B-055-DN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

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

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

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

Panel cut-outs



RM-B series

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

Cut-out types

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

Mounting nut torque

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

RM-K series

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

Cut-out types

Model	Type
ECG	P1
ECG	P1

Mounting nut torque

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

RM

RM-S series

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

Cut-out types

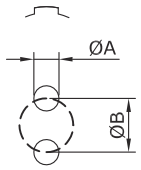
Model	Type
ERG	P1
ERD	P1

Mounting nut torque

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

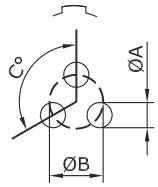
PCB drilling pattern
Fixed receptacle with straight print contact (RM-B-K series)

302



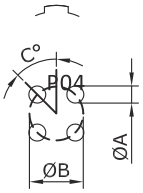
Series	Dimensions(mm)	
	A	B
00	0.6	1.2
0B-0K	0.8	2.2
1B-1K	0.8	2.8
2B-2K	0.8	4.4

303



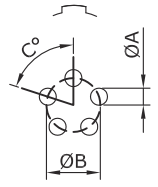
Series	Dimensions(mm)		
	A	B	C
00	0.6	1.35	120°
0B-0K	0.8	2.30	120°
1B-1K	0.8	3.00	120°
2B-2K	0.8	4.60	120°
3B-3K	0.8	5.60	120°

304



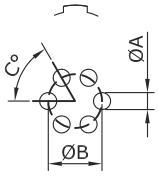
Series	Dimensions(mm)		
	A	B	C
00	0.6	1.6	45°
0B-0K	0.8	2.5	45°
1B-1K	0.8	3.1	45°
2B-2K	0.8	5.0	45°
3B-3K	0.8	6.2	45°

305



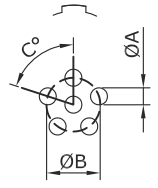
Series	Dimensions(mm)		
	A	B	C
0B-0K	0.6	2.8	72°
1B-1K	0.8	3.4	72°
2B-2K	0.8	5.2	72°
3B-3K	0.8	6.7	72°

306



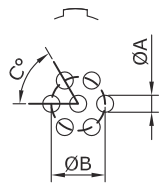
Series	Dimensions(mm)		
	A	B	C
0B-0K	0.6	3.0	60°
1B-1K	0.8	3.7	60°

306



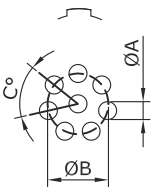
Series	Dimensions(mm)		
	A	B	C
2B-2K	0.8	5.6	72°
3B-3K	0.8	7.1	72°

307



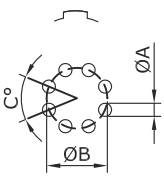
Series	Dimensions(mm)		
	A	B	C
0B-0K	0.6	3.0	60°
1B-1K	0.8	3.7	60°
2B-2K	0.8	5.8	60°
3B-3K	0.8	7.08	60°

308



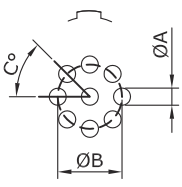
Series	Dimensions(mm)		
	A	B	C
1B-1K	0.8	3.8	51°26'

308



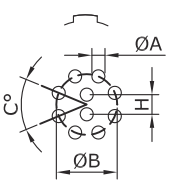
Series	Dimensions(mm)		
	A	B	C
2B-2K	0.8	6.4	45°
3B-3K	0.8	7.5	45°

309



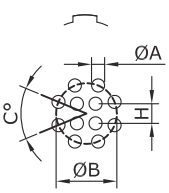
Series	Dimensions(mm)		
	A	B	C
0B-0K	0.6	3.2	45°
3B-3K	0.8	7.5	45°

310



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

312

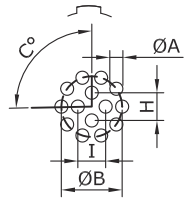


Series	Dimensions(mm)			
	A	B	C	H
2B-2K	0.8	6.5	45°	2.80
3B-3K	0.8	8.2	45°	3.40

RM

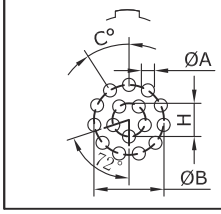
PCB drilling pattern
Fixed receptacke with straight print contact (B-K series)

314



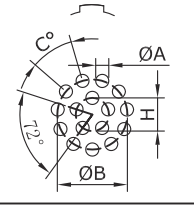
Series	Dimensions(mm)				
	A	B	C	H	I
1B-1K	0.6	4.4	90°	1.90	1.80
2B-2K	0.8	6.5	90°	2.65	2.65
3B-3K	0.8	8.2	90°	3.40	3.40

316



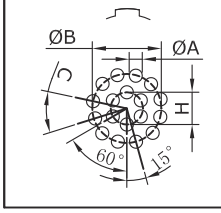
Series	Dimensions(mm)			
	A	B	C	H
1B-1K	0.6	4.4	32°44’	2.0

316



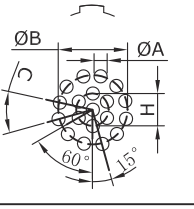
Series	Dimensions(mm)			
	A	B	C	H
2B-2K	0.8	6.6	32°44’	3.10
3B-3K	0.8	8.4	32°44’	3.86

318



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

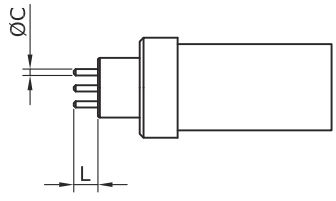
319



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

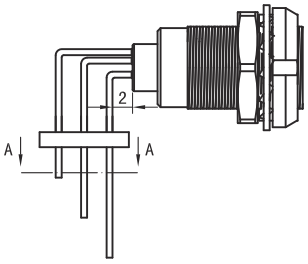
Length of straight print contacts (for receptacle)

Series	Contact No.	Dimensions(mm)	
		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	302/303/303/304/305	0.7	3.0
	306/307/308	0.7	3.0
	310/314/316	0.5	4.0
2B 2K	302/303/304/305/306/307	0.7	3.0
	308/310/314/316/318/319	0.7	3.0
	326/332	0.5	3.0
3B 3K	303/304/305/306/307	0.7	3.0
	308/309/310/312/314/316/318	0.7	3.0
	320/322/324/326/330	0.5	5.0

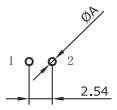


RM

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

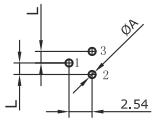


302



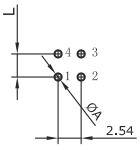
Series	Dimensions (mm)
	A
00	0.6
0B-0K	0.7
1B-1K	0.9
2B-2K	0.9

303



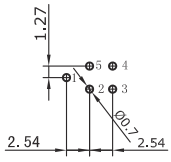
Series	Dimensions(mm)	
	A	L
00	0.6	1.27
0B-0K	0.7	1.27
1B-1K	0.9	1.27
2B-2K	0.9	2.54

304

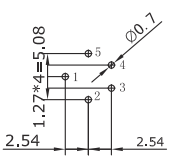


Series	Dimensions(mm)	
	A	L
00	0.6	2.54
0B-0K	0.7	2.54
2B-2K	0.7	2.54
3B-3K	0.9	3.50

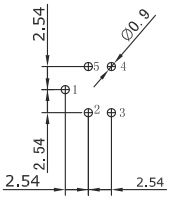
0B-0K.305



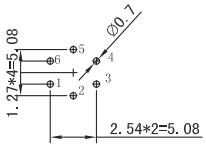
1B-1K.305



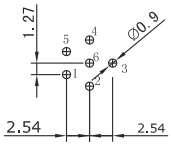
2B-2K.305



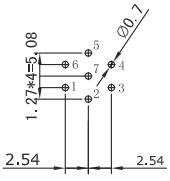
0B-0K/1B-1K.306



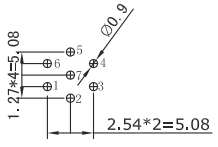
2B-2K.306



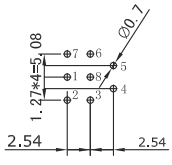
0B-0K/1B-1K.307



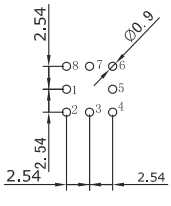
2B-2K.307



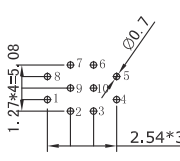
1B-1K.308



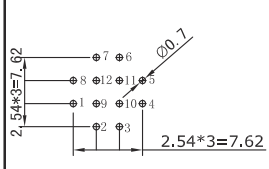
2B-2K.308/3B-3K.308



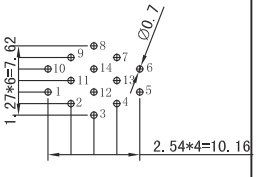
1B-1K/2B-2K.310



2B-2K/3B-3K.312

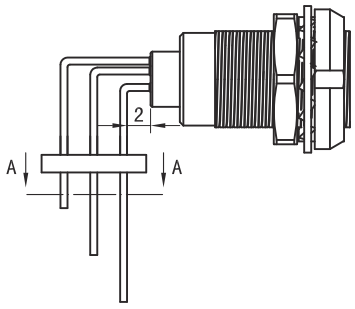


1B-1K/2B-2K.314

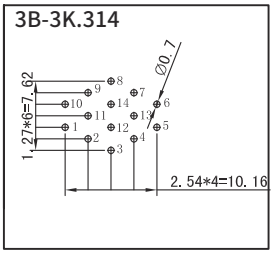


RM

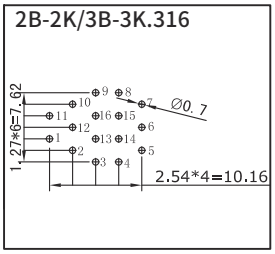
PCB drilling pattern
Fixed receptacle with elbow (90°) print contact (RM-B-K series)



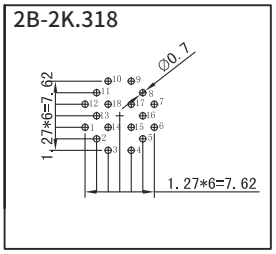
3B-3K.314



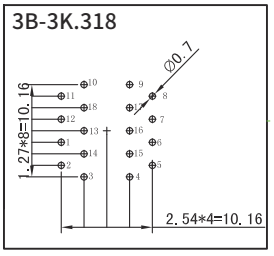
2B-2K/3B-3K.316



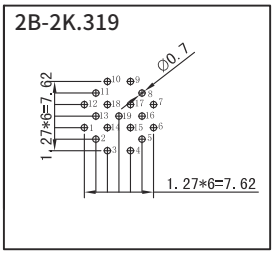
2B-2K.318



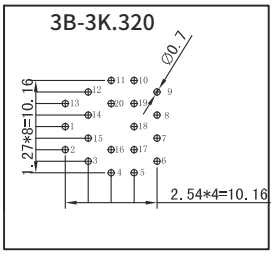
3B-3K.318



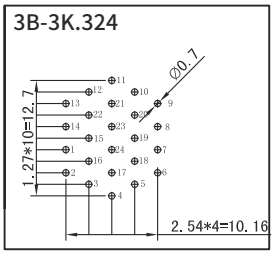
2B-2K.319



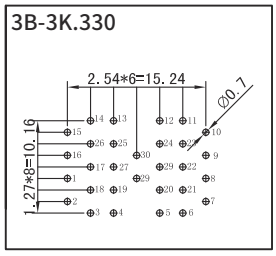
3B-3K.320



3B-3K.324



3B-3K.330

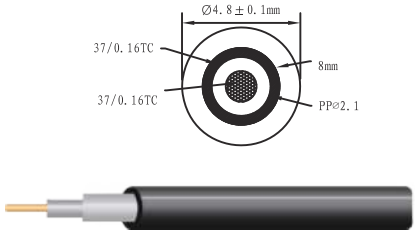


RM

raymo
circular connector

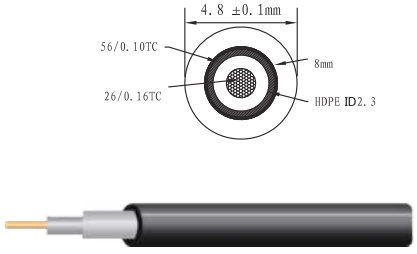
Cable

FC.PUR.N01.1802



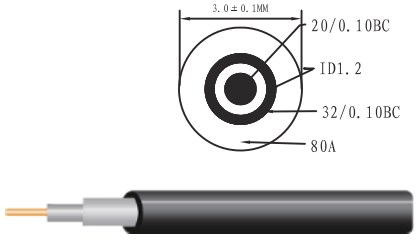
SPECIFICATION	Φ4.8(37/0.16TC+SP37/0.16TC) cold-proof-40°C pu cable	
CONDUCTOR	SIZE	0.75 mm²+0.75 mm²
	SPECIFICATION MATERIAL	Tin-Coated Coppe
	CONSTRUCTION	& 37/0.16TC
	COLOR	tin colour
INSULATION	AVG . THICK	0.4845mm
	MIN . THICK	0.4246mm
	DIAMETER	Φ2.1+0.05mm
	MATERIAL	PP
	COLOR	white
SHIELDED	MATERIAL	Tin-Coated Coppe
	CONSTRUCTION	37/0.16TC±1+PT
JACKET	AVG . THICK	1.2101
	MIN . THICK	1.1876
	DIAMETER	4.8+0.1mm
	MATERIAL	cold-proof-40°C pu cable
	COLOR	matt black colour
MARKING	no letter printed on the cable surface	

FC.PUR.N01.2001



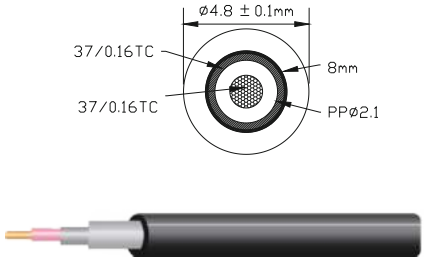
SPECIFICATION	Φ4.8(26/0.16TC ID2.3+SP56/0.10TC) cold-proof-40°C pu cable	
CONDUCTOR	SIZE	20AWG
	SPECIFICATION MATERIAL	Tin-Coated Coppe
	CONSTRUCTION	& 26/0.16TC
	COLOR	tin colour
INSULATION	AVG . THICK	0.4845mm
	MIN . THICK	0.4246mm
	DIAMETER	Φ2.3±0.05mm
	MATERIAL	HDPE
	COLOR	white
SHIELDED	MATERIAL	Tin-Coated Coppe
	CONSTRUCTION	56/0.10TC±2+PT
JACKET	AVG . THICK	1.2101
	MIN . THICK	1.1876
	DIAMETER	4.8±0.1mm
	MATERIAL	cold-proof-40°C pu cable
	COLOR	matt black colour
MARKING	no letter printed on the cable surface	

FC.PUR.N01.2601



SPECIFICATION	Φ3.0(20/0.10BC++32/0.10Winding shield) cold-proof-40°C pu cable for RCA connector	
CONDUCTOR	SIZE	&26AWG
	SPECIFICATION MATERIAL	Bare copper
	CONSTRUCTION	&20/0.10BC
	COLOR	Bare copper
INSULATION	AVG . THICK	0.4845mm
	MIN . THICK	0.4246mm
	DIAMETER	1.2±0.05mm
	MATERIAL	PP
	COLOR	transparent
SHIELDED	MATERIAL	Bare copper
	CONSTRUCTION	32/0.10BC
JACKET	AVG . THICK	0.8001
	MIN . THICK	0.7845
	DIAMETER	3.0±0.1mm
	MATERIAL	cold-proof-40°pu cable
	COLOR	matt black colour
MARKING	no letter printed on the cable surface	

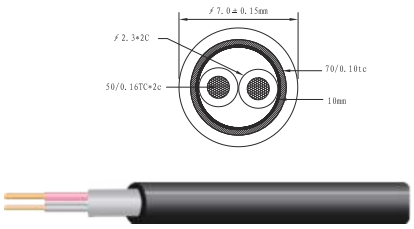
FC.PUR.N01.0301



SPECIFICATION	Φ13.0 1C*25mm2+B(braided)+P(cotton paper)	
CONDUCTOR	SIZE	03AWG
	SPECIFICATION MATERIAL	Bare copper
	CONSTRUCTION	196/0.404MM
	COLOR	Bare copper
INSULATION	AVG . THICK	5.10INCH
	MIN . THICK	0.4246mm
	DIAMETER	10.0+0.20MM
	MATERIAL	PP
	COLOR	transparent
SHIELDED	MATERIAL 1	24*10/0.12MM (Tin-Coated Copper) (10)(covering: 85%MIN)
	MATERIAL 1	cotton paper 0.04*40MM (covering:125%MIN)
JACKET	DIAMETER	Φ13.00±0.30MM
	MATERIAL	PU-813/85A(-40°C+80°C) (flame retardant rating: VW-1)
	COLOR	matt black colour
MARKING	no letter printed on the cable surface	

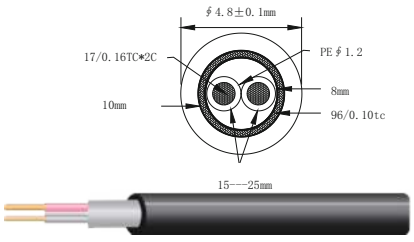
RM

FC.PUR.N02.1701



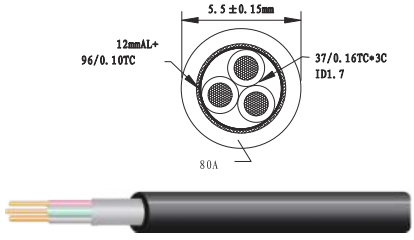
SPECIFICATION	Φ7.0(50/0.16TCID2.3*2c red black+AL+70/0.10TC Winding shield)80A cold-proof-40°CPU black	
CONDUCTOR	SIZE	1.0 mm2
	SPECIFICATION MATERIAL	Tin-Coated Coppe
	CONSTRUCTION	&50/0.16TC±2
	COLOR	tin colour
INSULATION	AVG . THICK	0.4954mm
	MIN . THICK	04722.mm
	DIAMETER	Φ2.3mm
	MATERIAL	PE+color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

FC.PUR.N02.2201



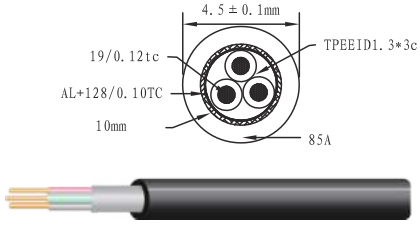
SPECIFICATION	Φ4.8(17/0.16TCID1.2*2C white green +AL+braided 96/0.10TC+PT)80A cold-proof-40°C PU black	
CONDUCTOR	SIZE	22AWG
	SPECIFICATION MATERIAL	Tin-Coated Coppe
	CONSTRUCTION	&17/0.16TC
	COLOR	tin colour
INSULATION	AVG . THICK	0.2021mm
	MIN . THICK	0.1985mm
	DIAMETER	1.2mm±0.05
	MATERIAL	PE
	COLOR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

FC.PUR.N03.1802



SPECIFICATION	Φ5.5(37/0.16TCID1.7*3c red black yellow +AL+ 96/0.10braided)80A cold-proof-40°C PU black	
CONDUCTOR	SIZE	0.75mm2*3c
	SPECIFICATION MATERIAL	Bare copper
	CONSTRUCTION	& 37/0.16TC±1
	COLOR	tin colour
INSULATION	AVG . THICK	0.3804mm
	MIN . THICK	0.3254mm
	DIAMETER	Φ1.7±0.05
	MATERIAL	PE+color concentrate
	COLOR	red black yellow
SHIELDED	MATERIAL	Tin-Coated Copper
	CONSTRUCTION	AL+96/0.10TC±6
JACKET	AVG . THICK	0.6800mm
	MIN . THICK	0.6542mm
	DIAMETER	5.5mm±0.1
	MATERIAL	80A PU cold-proof-40°C PU
	COLOR	matt black colour
MARKING	no letter printed on the cable surface	

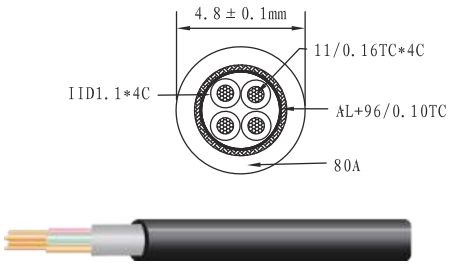
FC.HPU.N03.2401



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

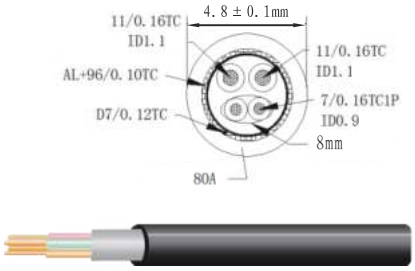
RM

FC.PUR.N04.2401



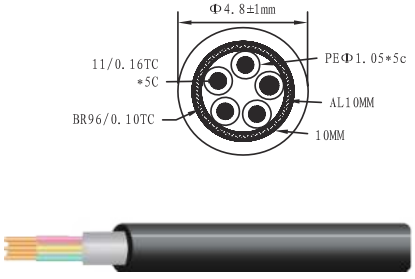
SPECIFICATION	Φ4.8(11/0.16TC*4C red yellow black green PE+AL+96/0.10TC+PT)80A cold-proof-40℃ PU black	
CONDUCTOR	SIZE	24 AWG
	SPECIFICATION MATERIAL	Tin-Coated Copper
	CONSTRUCTION	&11/0.16
	COLOR	tin colour
INSULATION	AVG . THICK	0.242 mm
	MIN . THICK	0.217 mm
	DIAMETER	Φ1.1mm±0.05
	MATERIAL	PE
	COLOR	red yellow black green
SHIELDED	MATERIAL	Tin-Coated Copper
	CONSTRUCTION	8mmAL+96/0.010TC±5+10mmPT
JACKET	AVG . THICK	0.80mm
	MIN . THICK	0.775mm
	DIAMETER	4.8mm±0.1
	MATERIAL	80A PU cold-proof-40℃
	COLOR	black colour
MARKING	no letter printed on the cable surface	

FC.PUR.N04.2426



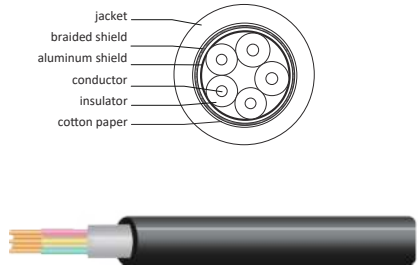
SPECIFICATION	Φ4.8(7/0.16TC*1P white green PE+AL+11/0.16TC*2CP red black +AL+D7/0.12TC+96/0.10TC)80A cold-proof-40℃ PU black	
CONDUCTOR	SIZE	26AWG & 24AWG
	SPECIFICATION MATERIAL	Tin-Coated Copper
	CONSTRUCTION	7/16&11/0.16
	COLOR	tin colour
INSULATION	AVG . THICK	0.242 mm
	MIN . THICK	0.217 mm
	DIAMETER	Φ0.9mm &1.1mm±0.05
	MATERIAL	PE
	COLOR	white green & red black
SHIELDED	MATERIAL	AL+Tin-Coated Copper
	CONSTRUCTION	8mmAL+16/6/0.10TC±6
JACKET	AVG . THICK	0.80mm
	MIN . THICK	0.775mm
	DIAMETER	4.8mm±0.1
	MATERIAL	80A cold-proof-40℃ PU black
	COLOR	matt black colour
MARKING	no letter printed on the cable surface	

FC.PUR.N05.2401



SPECIFICATION	Φ4.8(11/0.16TC*1.1PE*5Cred black white blue green+AL+BR96/0.10TC+PT)80A cold-proof-40CPU black	
CONDUCTOR	SIZE	24 AWG
	SPECIFICATION MATERIAL	Tin-Coated Copper
	CONSTRUCTION	11/0.16
	COLOR	tin colour
INSULATION	AVG . THICK	0.2135mm
	MIN . THICK	0.2085mm
	DIAMETER	Φ1.05±0.05
	MATERIAL	PE
	COLOR	red black white blue green
SHIELDED	MATERIAL	Tin-Coated Copper
	CONSTRUCTION	10mmAL+BR96/0.10±6+PT
JACKET	AVG . THICK	1.275mm
	MIN . THICK	1.125mm
	DIAMETER	4.8mm±0.1
	MATERIAL	80A cold-proof-40℃ PU black
	COLOR	matt black colour
MARKING	no letter printed on the cable surface	

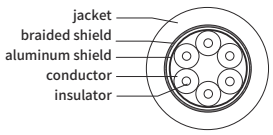
FC.PUR.N05.2426



SPECIFICATION	(2C*24AWG black red+3C*26AWG green blue white+AL+B+P) PU-813/80A(Black)(Non-flame-retardant) (temperature-resistance: -40℃~+80℃)	
CONDUCTOR	SIZE	24AWG & 26 AWG
	SPECIFICATION MATERIAL	TA
	CONSTRUCTION	11/0.16&7/0.16
	STRANDED LAY	0.7INCH&0.6INCH
INSULATION	DIAMETER	Φ2.05mm±0.05
	MATERIAL	HD-PE
	COLOR	black red green blue white
STRANDED	STRANDED LAY	60±10MM
	AL-FOIL SPECIFICATION	0.02*15MM(Conductive facing outside)
	OVERLAP RATE	Above 25%
SHIELDED	BRAIDED MATERIAL	16*6/0.10MM TA(12)(covering: 75%MIN)
	COTTON PAPER MATERIAL	0.04*20MM(covering:125%MIN)
JACKET	DIAMETER	4.8mm±0.1
	MATERIAL	PU-813/80A(Black) (Non-flame-retardant) (temperature-resistance: -40℃~+80℃)
	COLOR	matt black colour
MARKING	no letter printed on the cable surface	

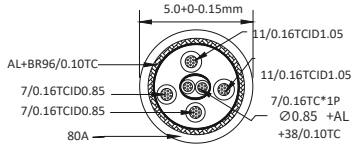
RM

FC.PUR.N06.2001



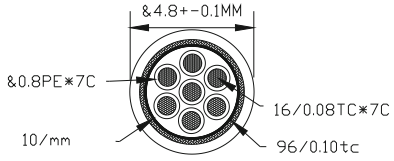
SPECIFICATION	Φ7.0(6C*0.5mm2black brown red orange yellow green+AL+B)PU-813/85A(Black) (flame-retardant) 7temperature-resistance: -40°C~+80°C)	
CONDUCTOR	SIZE	0.5mm²
	SPECIFICATION MATERIAL	TA
	CONSTRUCTION	25/0.16mm
	STRANDED LAY	0.8INCH
INSULATION	DIAMETER	Φ1.50±0.05MM
	MATERIAL	SR-PVC
	COLOR	black brown red orange yellow green
STRANDED	STRANDED LAY	100±10MM
	AL-FOIL SPECIFICATION	0.02*25MM(anti-surrounding)
	OVERLAP RATE	Above 25%
SHIELDED	MATERIAL	16*7/0.12MM TA(6)
	COVERING	65%MIN
JACKET	DIAMETER	7.00±0.20MM
	MATERIAL	(flame-retardant)(temperature-resistance: -40°C~+80°C)
	COLOR	half-matt black colour
MARKING	no letter printed on the cable surface	

FC.PUR.N06.2426-1



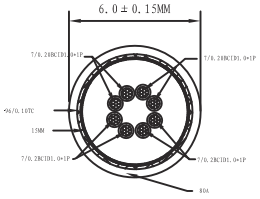
SPECIFICATION	Φ5.0(11/0.16TC*1.05*2Cred black+7/0.16TC*0.85*1P white green+38/0.10TC Winding shield+7/0.16TC*0.85*2C blue yellow+AL+96/0.10TC) 80A cold-proof-40°C PU black	
CONDUCTOR	SIZE	26AWG &24 AWG
	SPECIFICATION MATERIAL	Tin-Coated Copper
	CONSTRUCTION	7/16& 11/0.16
	COLOR	tin colour
INSULATION	AVG . THICK	0.242 mm
	MIN . THICK	0.217 mm
	DIAMETER	Φ0.9mm & 1.1mm±0.05
	MATERIAL	PE
	COLOR	white green & red black
STRANDED	MATERIAL	AL+Tin-Coated Copper
	CONSTRUCTION	8mmAL+16/6/0.10TC±6
JACKET	AVG . THICK	0.80mm
	MIN . THICK	0.775mm
	DIAMETER	4.8mm±0.1
	MATERIAL	80A cold-proof-40°CPU black
	COLOR	matt black colour
MARKING	no letter printed on the cable surface	

FC.PUR.N07.2801



SPECIFICATION	Φ4.8<16/0.08TC IDO.8*7C)+AL+96/0.10TC braided >80A cold-proof-40°CPU black	
CONDUCTOR	SIZE	28AWG
	SPECIFICATION MATERIAL	Tin-Coated Copper
	CONSTRUCTION	16/0.08TC
	COLOR	tin colour
INSULATION	AVG . THICK	0.2305mm
	MIN . THICK	0.2013mm
	DIAMETER	Φ0.8±0.05mm
	MATERIAL	PE
	COLOR	white black blue green browm red yellow
STRANDED	MATERIAL	Tin-Coated Copper
	CONSTRUCTION	AL +braided96/0.10TC
JACKET	AVG . THICK	0.8120mm
	MIN . THICK	0.7921mm
	DIAMETER	4.8mm±0.1
	MATERIAL	80A cold-proof-40°CPU black
	COLOR	matt black colour
MARKING	no letter printed on the cable surface	

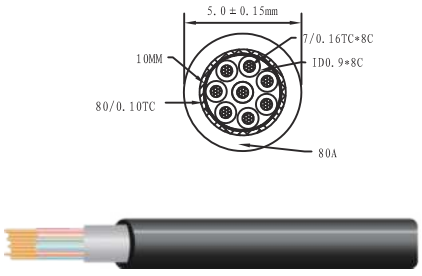
FC.PUR.N08.2603



SPECIFICATION	ϕ6.0(8C HSYV +AL+96/0.10TCV braided+PT) OD6.0 cold-proof-40℃PU	
CONDUCTOR	SIZE	26AWG
	SPECIFICATION MATERIAL	Bare copper
	CONSTRUCTION	&7/0.2BC
	COLOR	tin colour
INSULATION	AVG . THICK	0.2305mm
	MIN . THICK	0.2013mm
	DIAMETER	Φ1.0±0.05mm
	MATERIAL	PE+color concentrate
	COLOR	yellow white+yellow bule white+blue green white+ green brown white+brown
STRANDED	MATERIAL	Tin-Coated Copper
	CONSTRUCTION	AL+96/0.10TC braided
JACKET	AVG . THICK	1.0982mm
	MIN . THICK	0.9131mm
	DIAMETER	6.0±0.15mm
	MATERIAL	80A PU cold-proof-40°C PU
	COLOR	matt black colour
MARKING	no letter printed on the cable surface	

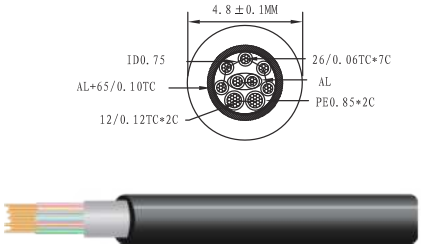
RM

FC.PUR.N08.2601



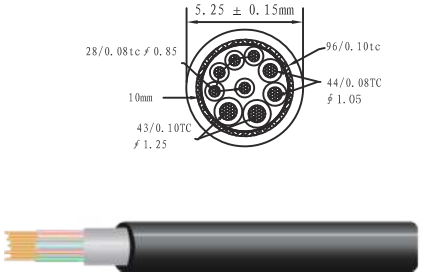
SPECIFICATION	Φ5.(0.7/0.16BCIDO.9*8C+AL+80/0.10 braided) +cotten gray colour cold-proof-40°C PU	
CONDUCTOR	SIZE	26AWG
	SPECIFICATION MATERIAL	Bare copper
	CONSTRUCTION	&7/0.16TC
	COLOR	Bare copper
INSULATION	AVG . THICK	0.2305mm
	MIN . THICK	0.2013mm
	DIAMETER	Φ0.9±0.05mm
	MATERIAL	HDPE
	COLOR	white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

FC.PUR.N09.2628



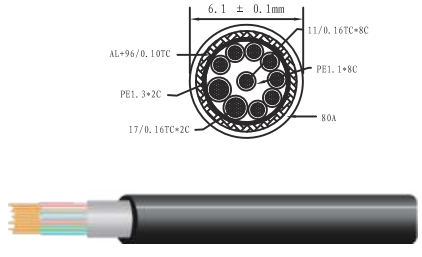
SPECIFICATION	Φ4.8(12/0.12TC*0.85PE+2C+26/0.06TC*0.65PE*1P+ AL+5C+AL+65/0.10TC+PT)cold-proof-40°C PU cable	
CONDUCTOR	SIZE	2*0.14mm²+7*0.08mm²
	SPECIFICATION MATERIAL	Tin-Coated copper
	CONSTRUCTION	12/0.12 & 26/0.06
	COLOR	tin color
INSULATION	AVG . THICK	0.2435mm
	MIN . THICK	0.2185mm
	DIAMETER	Φ0.85 & 0.65±0.05
	MATERIAL	PE
	COLOR	red,black,blue,purple,yellow, grey,orange,white,green
SHIELDED	MATERIAL	bare copper
	CONSTRUCTION	10mmAL+65/0.10TC braid+PT
JACKET	AVG . THICK	0.975mm
	MIN . THICK	0.925mm
	DIAMETER	Φ4.8mm±0.1
	MATERIAL	cold- proof -40°C PU cable
	COLOR	matt black color
MARKING	no letter printed on the cable surface	

FC.PUR.N09.2226



SPECIFICATION	Φ5.2(43/0.10TC1.25+44/0.08TC1.05+28/0.08TCO.85) +AL+96/0.10BR cold-proof -40°C PU cable	
CONDUCTOR	SIZE	2*0.34mm2+2*0.22mm2+ 5*0.14mm²
	SPECIFICATION MATERIAL	Tin-Coated copper
	CONSTRUCTION	43/0.10TC 44/0.08TC 28/0.08TC
	COLOR	tin color
INSULATION	AVG . THICK	0.2305mm
	MIN . THICK	0.2013mm
	DIAMETER	&1.25 &1.05 &0.85
	MATERIAL	PE
	COLOR	red,grey blue,brown,yellow, white,purple,green,orange
SHIELDED	MATERIAL	Tin-Coated copper
	CONSTRUCTION	AL+96/0.10TC braid
JACKET	AVG . THICK	1.0982mm
	MIN . THICK	0.9131mm
	DIAMETER	Φ5.25mm±0.25
	MATERIAL	cold- proof -40°C PU cable
	COLOR	matt black color
MARKING	no letter printed on the cable surface	

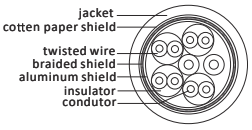
FC.PUR.N10.2224



SPECIFICATION	Φ6.1(17/0.16TC ID1.3*2C+11/0.16ID1.1*8C) +AL+96/0.10TC braid cold-proof -40°C PU cable	
CONDUCTOR	SIZE	2*0.34mm2+8*0.2m2
	SPECIFICATION MATERIAL	Tin-Coated copper
	CONSTRUCTION	17/0.16TC 11/0.16TC
	COLOR	17/0.16TC 11/0.16TC
INSULATION	AVG . THICK	0.2690mm
	MIN . THICK	0.2453mm
	DIAMETER	&1.3 &1.1±0.05mm
	MATERIAL	PE
	COLOR	red,black, white,purple,grey, orange,brown,yellow,blue, green
SHIELDED	MATERIAL	Tin-Coated copper
	CONSTRUCTION	AL+96/0.10TC braid
JACKET	AVG . THICK	0.6185mm
	MIN . THICK	0.6014mm
	DIAMETER	Φ6.1mm±0.1
	MATERIAL	cold-proof-40°C PU cable
	COLOR	matt black color
MARKING	no letter printed on the cable surface	

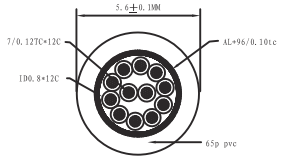
RM

FC.PUR.N10.2601



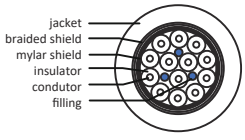
SPECIFICATION	Φ7.0(4P*26AWG+20*26AWG+AL+B+P) cold-proof -40°C PU cable	
CONDUCTOR	SIZE	10*0.14mm²
	SPECIFICATION MATERIAL	Tin-Coated copper
	CONSTRUCTION	7/0.165MM,7/0.16MM
	COLOR	tin color
INSULATION	AVG . THICK	0.89MM
	MIN . THICK	0.87MM
	DIAMETER	&1.00±0.05MM
	MATERIAL	PE
	COLOR	red,back+blue*white blue orange*white orange green*white green brown*white brown
SHIELDED	MATERIAL	Tin-Coated copper
	CONSTRUCTION	0.020*18MM
JACKET	DIAMETER	Φ7.00±0.20MM
	MATERIAL	cold-proof-40°C PU cable
	COLOR	matt black color
MARKING	no letter printed on the cable surface	

FC.PVC.N12.2801



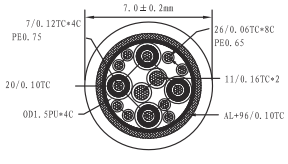
SPECIFICATION	Φ5.6(7/12TC*0.8*12C)+AL+96/0.10TC) PVC cable	
CONDUCTOR	SIZE	12*0.08mm²
	SPECIFICATION MATERIAL	Tin-Coated copper
	CONSTRUCTION	7/0.12
	COLOR	tin color
INSULATION	AVG . THICK	0.2435mm
	MIN . THICK	0.2185mm
	DIAMETER	Φ0.8
	MATERIAL	PVC
	COLOR	red,black,white,green,blue,yellow, brown,orange,purple,grey,pink, light blue
SHIELDED	MATERIAL	Bare copper
	CONSTRUCTION	AL+96/0.10TC
JACKET	AVG . THICK	0.975mm
	MIN . THICK	0.925mm
	DIAMETER	Φ5.6mm±0.15
	MATERIAL	PVC cable
	COLOR	matt black color
MARKING	no letter printed on the cable surface	

FC.PUR.N13.2601



SPECIFICATION	Φ6.6(13C*26AWG+F+MY+B) VW-1 PU cable	
CONDUCTOR	SIZE	13*0.14mm²
	SPECIFICATION MATERIAL	BA
	CONSTRUCTION	19/0.10MM
	COLOR	tin color
INSULATION	DIAMETER	Φ0.90+0.05MM
	MATERIAL	PE
	COLOR	Black,brown,red,orange,yellow, green,blue,purple,grey,white,black white, brown white, red white
SHIELDED	MATERIAL	Bare copper
	CONSTRUCTION	16*5/0.12MM TA
JACKET	DIAMETER	Φ6.60+0.20MM
	MATERIAL	VW-1 PU cable
	COLOR	matt black color
MARKING	no letter printed on the cable surface	

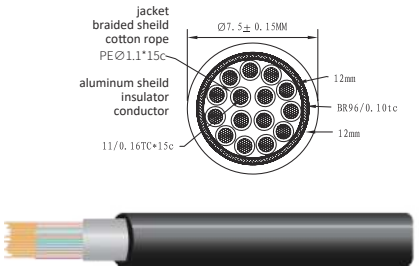
FC.PUR.N14.2428-T



SPECIFICATION	Φ7.0(26/0.06*8c* D0.65+11/0.16tc*2c 01.1+(7/0.12tc D0.75 +sp20/0.10tc) 1.5+AL+ 96/0.10TC braid) cold-proof -40°C PU cable	
CONDUCTOR	SIZE	2*0.2mm²+8*0.14mm²+ 4*0.08mm² (50ohm)
	SPECIFICATION MATERIAL	Tin-Coated copper
	CONSTRUCTION	26/0.06TC11/0.16TC 7/0.12TC
	COLOR	tin color
INSULATION	AVG . THICK	0.2305mm
	MIN . THICK	0.2013mm
	DIAMETER	&0.65 &1.1&0.75±0.05mm
	MATERIAL	PE
	COLOR	white,red,black,yellow,green,blue, grey,brown, red black, red,yellow, brown,white
SHIELDED	MATERIAL	Tin-Coated copper
	CONSTRUCTION	20/0.10tc
JACKET	AVG . THICK	1.0982mm
	MIN . THICK	0.9131mm
	DIAMETER	7.0mm±0.25
	MATERIAL	cold-proof -40°C PU cable
	COLOR	matt black color
MARKING	no letter printed on the cable surface	

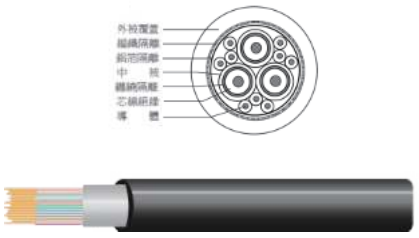
RM

FC.PUR.N15.2401



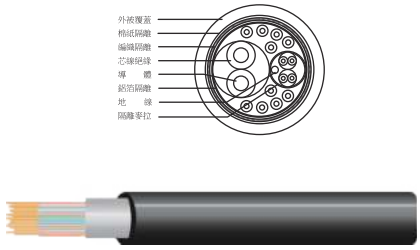
SPECIFICATION	Φ7.5(11/0.16TC*15C+AL+BR96/0.10TC+PT)Cold-proof -40°C PU cable	
CONDUCTOR	SIZE	15*0.2mm2
	SPECIFICATION MATERIAL	Tin-Coated copper
	CONSTRUCTION	&11/0.16TC
	COLOR	tin color
INSULATION	AVG . THICK	0.2435mm
	MIN . THICK	0.2113mm
	DIAMETER	Φ1.1±0.05mm
	MATERIAL	PE
	COLOR	white, green, red , black, blue, yellow, brown, orange, purple, grey, glassy, glassy red, glassy yellow,glassy black
SHIELDED	MATERIAL	Tin-Coated copper
	CONSTRUCTION	AL+BR96/0.10TC±6+PT
JACKET	AVG . THICK	0.7391mm
	MIN . THICK	0.6235mm
	DIAMETER	Φ7.5mm±0.15
	MATERIAL	cold-proof -40°C PU cable
	COLOR	matt black color
MARKING	no letter printed on the cable surface	

FC.PUR.N15.2801-T



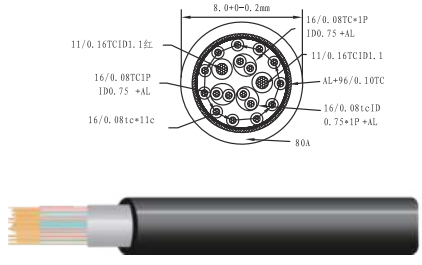
SPECIFICATION	Φ8.0(3C*UL1354(S)+9C*28AWG+AL+B/UL2919) flammability vw-1 cold-proof -55°C TPU cable	
CONDUCTOR	SIZE	9*0.08mm2+3*0.08mm2(75ohm)
	SPECIFICATION MATERIAL	TA
	CONSTRUCTION	& 11/0.16TC
	COLOR	TA
INSULATION	DIAMETER	Φ1.60±0.05MM /0.85±0.05MM
	MATERIAL	FM-PE/SR-PVC
	COLOR	red,black,yellow,green,brown, blue,purple,orange, grey+coxial red,green,blue
SHIELDED	MATERIAL	TA
	CONSTRUCTION	16*9/0.12MM
JACKET	DIAMETER	Φ7.80±0.20MM
	MATERIAL	UL-813/70P cold-proof-40°C Pu cable
	COLOR	matt black color
MARKING	E119932-U AWM 2919 80°C 30V VW-1 LOW VOLTAGE COMPUTER CABLE COPARTNER	

FC.TPU.N16.1401



SPECIFICATION	Φ12.0(2P*26#+D+AL+MY)+(2C*14#+AL)+3C*24#+7C* 26#+AL+B+P cold-proof -40°C PU cable	
CONDUCTOR	SIZE	2*2.0mm²+3*0.2mm²+ 7*0.14mm²+4*0.14mm²
	SPECIFICATION MATERIAL	BA+TA+TA+TA
	CONSTRUCTION	7/0.165MM 41/0.254MM 7/0.20MM 7/0.16MM
	COLOR	BA/TA
INSULATION	DIAMETER	0.87~0.90MM 2.80±0.10MM 1.10±0.05MM 1.0±0.05MM
	MATERIAL	HD-PE
	COLOR	red,black+purple grey white + red black brown orange yellow green blue + green* white green+brown / white brown
SHIELDED	MATERIAL	TA
	CONSTRUCTION	24*10/0.12MM TA+0.040*40MM paper
JACKET	DIAMETER	Φ12.0±0.30MM
	MATERIAL	flammability VW-1 cold-proof-55°C TPU-813 cable
	COLOR	matt black color
MARKING	no letter printed on the cable surface	

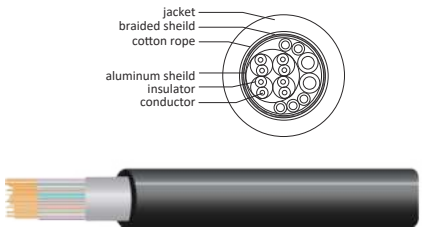
FC.PUR.N19.2428-S



SPECIFICATION	Φ8.0 (11/0.16TC*1.1*2C+16/0.08TC*0.75*11C+16/0.08TC1P+AL+ 16/0.08TC1P+AL+16/0.08TC1P+AL) +AL+96/0.10TC) cold-proof -40C PU cable	
CONDUCTOR	SIZE	2*2.0mm²+17*0.08mm²
	SPECIFICATION MATERIAL	Tin-Coated copper
	CONSTRUCTION	11/0.16 & 16/0.08
	COLOR	tin color
INSULATION	AVG . THICK	0.2435mm
	MIN . THICK	0.2185mm
	DIAMETER	Φ1.1Φ0.75±0.05
	MATERIAL	PE
	COLOR	red,black+white,green,red,black,blue,yellow, brown,orange,purple,grey,pink+blue*yellow, green*white,purple*orange
SHIELDED	MATERIAL	Bare copper
	CONSTRUCTION	15mmAL+96/0.10TC braid+PT
JACKET	AVG . THICK	0.975mm
	MIN . THICK	0.925mm
	DIAMETER	Φ8.0mm±0.2
	MATERIAL	cold-proof -40°C PU cable
	COLOR	matt black color
MARKING	no letter printed on the cable surface	

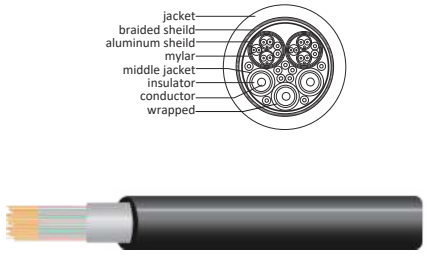
RM

FC.PUR.N20.3001-T



SPECIFICATION	Φ7.0(4P*28#+ AL)*1C+2C*18#+5C*26#+ AL+B+P)PU-813/85A cable	
CONDUCTOR	SIZE	4*0.05mm²+10*0.05mm²+0.05mm²(75ohm)
	SPECIFICATION MATERIAL	BA/TA/TA
	CONSTRUCTION	7/0.127MM 34/0.18MM 7/0.16MM
	COLOR	BA/TA/TA
INSULATION	DIAMETER	Φ0.75±0.05MM/1.80±0.05MM/0.70±0.05MM
	MATERIAL	HD-PE/SR-PVC/HD-PE
	COLOR	red,yellow,brown,orange+brown*white, blue*white,red*white, green*white,black*white+coxial white
SHIELDED	MATERIAL	TA
	CONSTRUCTION	16*8/0.12MM TA
JACKET	DIAMETER	8.00±0.20MM
	MATERIAL	PU-813/85A
	COLOR	matt black color
MARKING	no letter printed on the cable surface	

FC.PUR.N32.2830-T



SPECIFICATION	Φ9.5 ((1c*30#+S)3C+9C*30#+{(1P*32#＋DAM)2C+ 1P*32#＋2C*28#＋ABM}2C+ AB)UL-813/70P PU cable	
CONDUCTOR	SIZE	2*0.08mm²+3*0.05mm²+9*0.05mm² +6*0.03mm²(75ohm)
	SPECIFICATION MATERIAL	TA
	CONSTRUCTION	(1C*30#+S)3C+9C*30#/{(1P*32#+DAM) 2C+1P*32#+2C*28#+ABM}2c
	COLOR	TA
INSULATION	DIAMETER	Φ1.30±0.05MM/1.30±0.05MM/0.55± 0.01MM/0.50±0.05mm/0.65±0.05MM
	MATERIAL	FM-PE/PP/FM-PE+SKIN/HD-PE
	COLOR	red,black+pink,light green,light blue+red, black,brown,orange,yellow,green,blue, purple,grey+yellow*blue,orange*purple, green*white
SHIELDED	MATERIAL	TA
	CONSTRUCTION	24*8/0.12MM TA
JACKET	DIAMETER	9.50+0.20MM
	MATERIAL	UL-813/7OP PU cable
	COLOR	matt black color
MARKING	no letter printed on the cable surface	

RM

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 loca loverheating, 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 LMITED 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

I.P.N
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South Korea Official Branch

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raymo
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