

Plastic Power & Signal connectors

3N SERIES

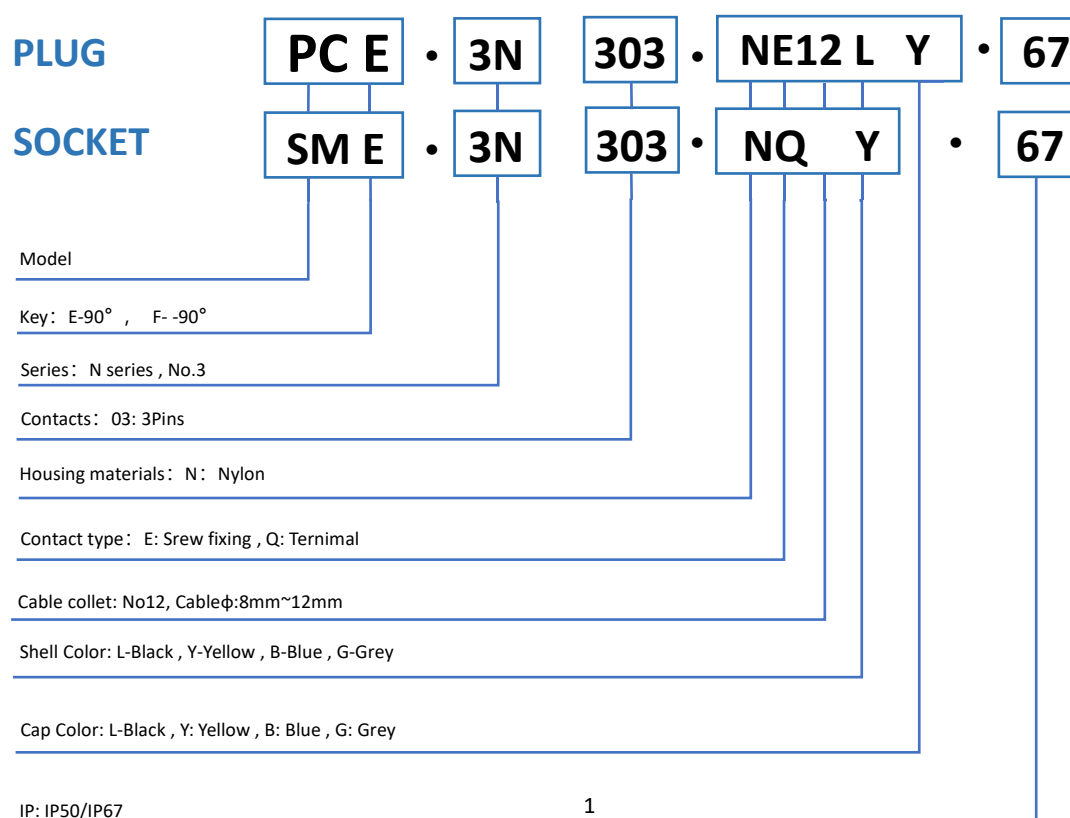
3N series POWER connectors

- Push-pull self-locking system;
- Different keys to avoid mismating;
- Quick and convenient turning locking system;
- Made of nylon fiber, fire rating V0, corrosion resistance;
- Good insulation under high temperature;
- Socket terminal adopts imported beryllium copper of which assure long life and good conductivity;

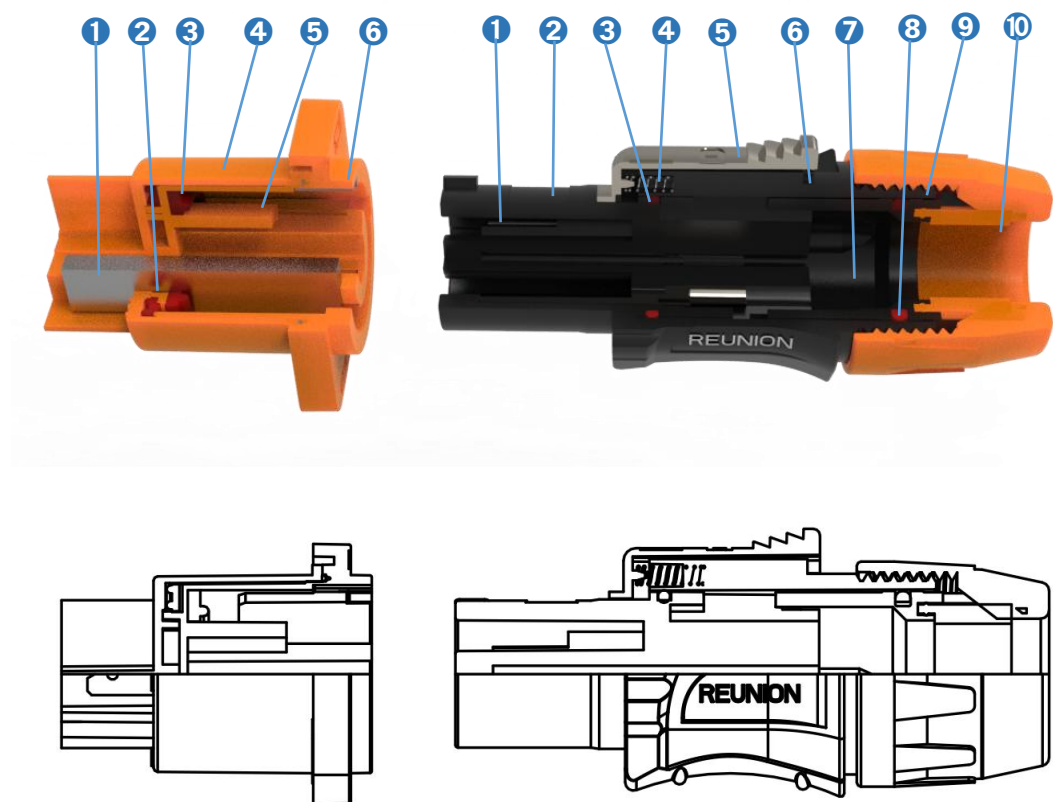
3N series Technical characteristic

- Contacts: Terminal
- Vated current: 30A
- Over 2,000 times mating
- Working voltage: 250Vac
- Contact resistance: < 2mΩ
- Working Temp (Min/Max): -40℃ / +125℃
- Salt fog Corrosion:> 48h
- Protection class(mated): IP50/IP67

3N Series part numbering system



Part section showing internal components



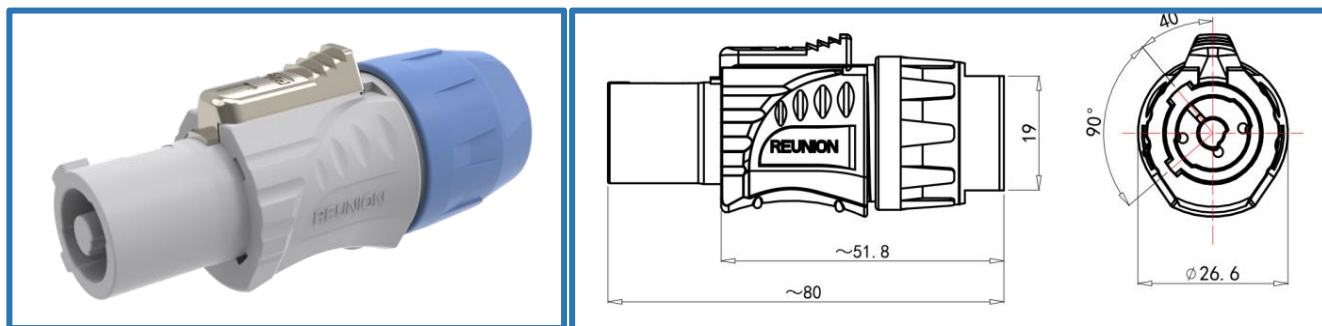
FIXED SOCKET

- ① 弹片端子 Terminal
- ② 插座防水垫圈 Waterproof washer
- ③ 插座防水圈 Waterproof ring
- ④ 插座外壳 Outer shell
- ⑤ 插座壳体 Shell
- ⑥ 不锈钢片 Stainless steel sheet

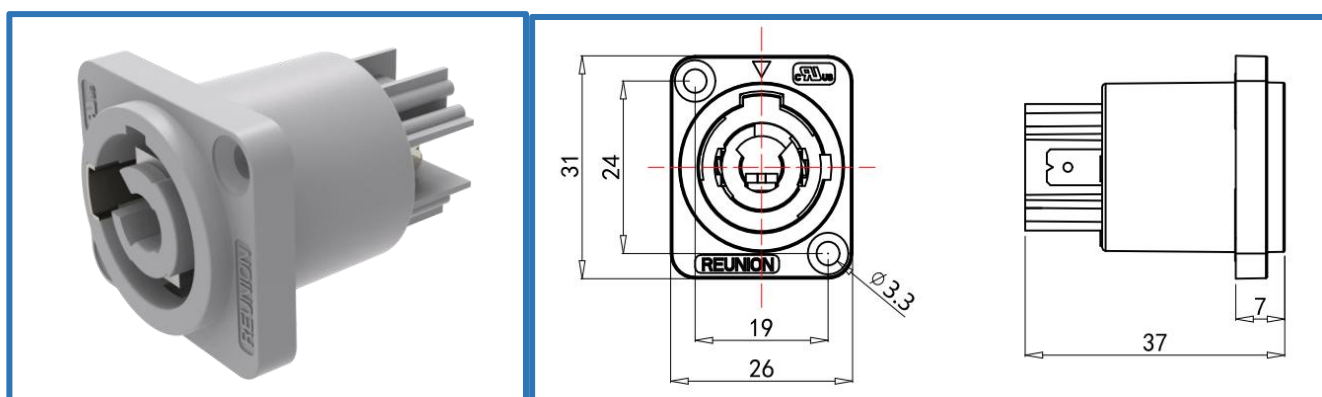
STRAIGHT PLUG

- ① 插针 Male contacts
- ② 插头壳体 Shell
- ③ 密封圈 Sealing ring
- ④ 弹簧 Spring
- ⑤ 解锁键 Unlock-key
- ⑥ 插头外套 Outer shell
- ⑦ 电缆夹 Cable collet
- ⑧ 电缆夹密封圈 Cable clamp sealing ring
- ⑨ 电线密封圈 Sealing ring
- ⑩ 尾帽 Cap

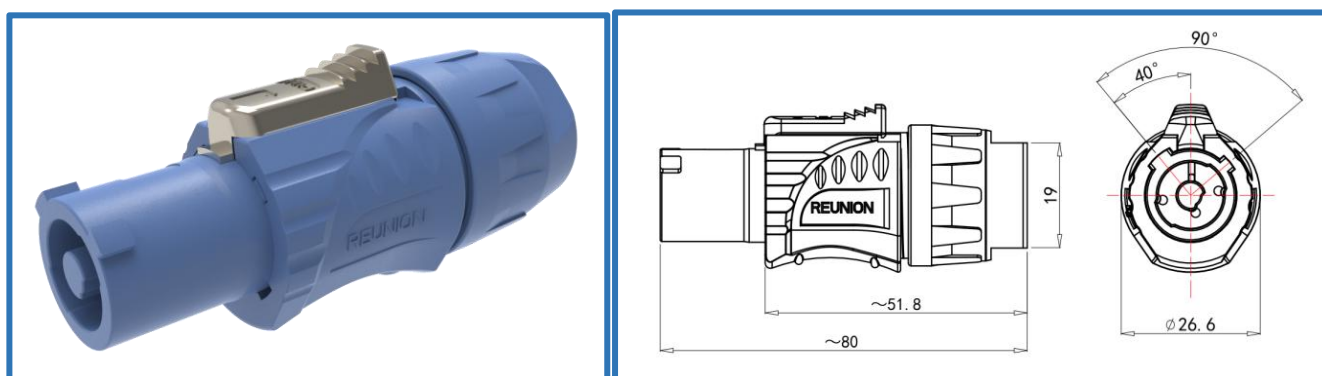
PCE.3N303.NE12GB.50 Straight Plug, IP50, 90° key



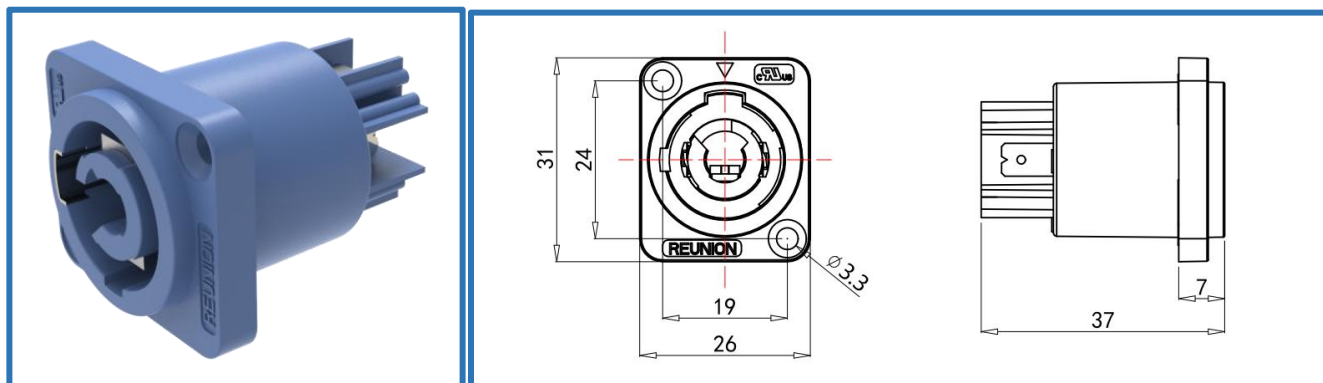
SME.3N303.NQG.50 Fixed Socket, IP50, 90° key



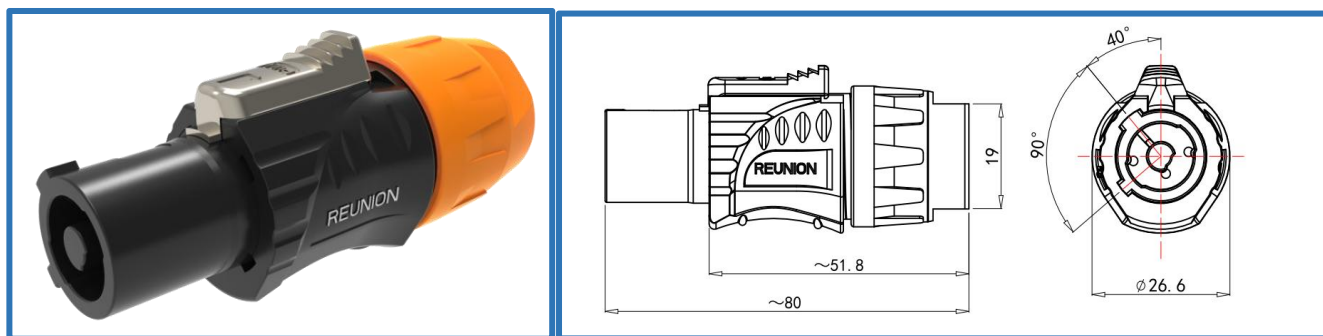
PCF.3N303.NE12BB.50 Straight Plug, IP50, -90°



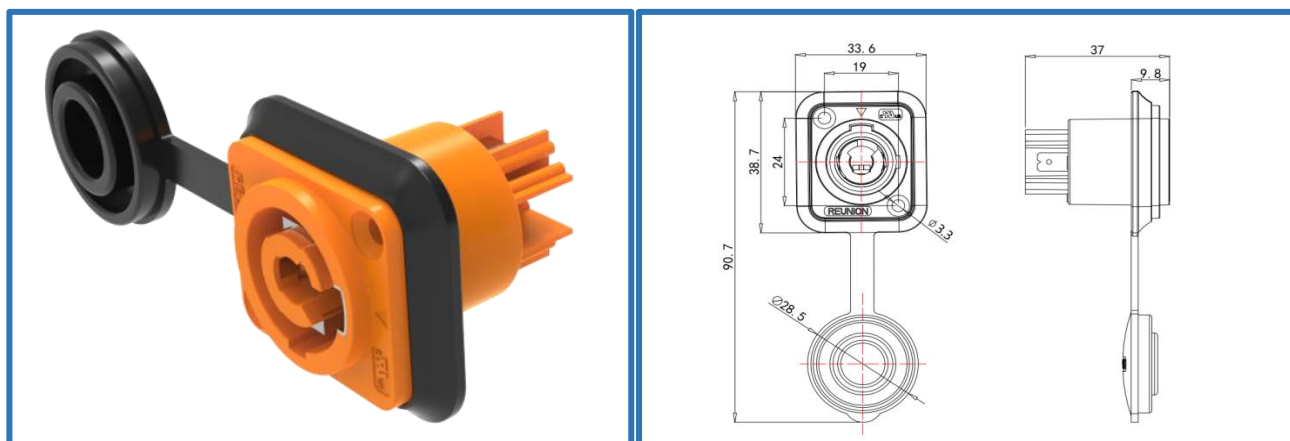
SMF.3N303.NQB.50 Fixed Socket, IP50, -90° key



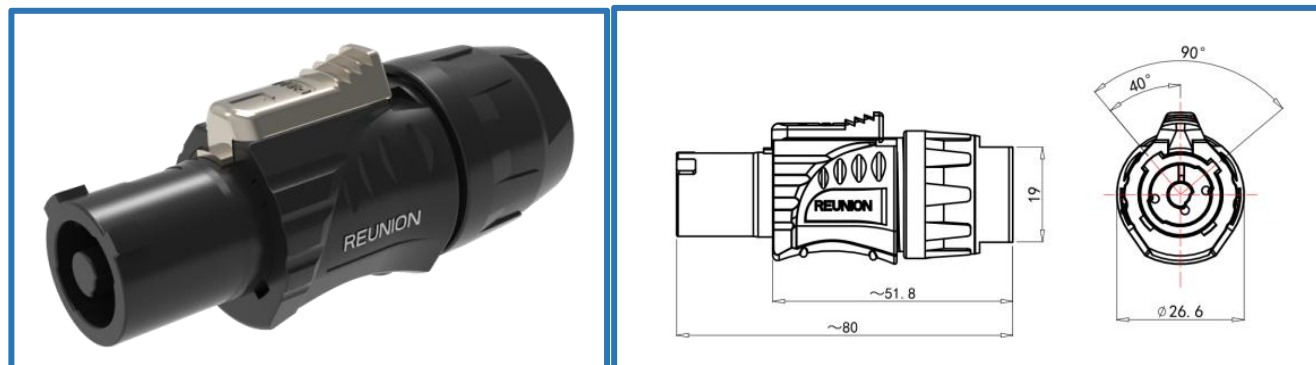
PCE.3IM303.NE12LY.67 Straight Plug, IP67, 90° key



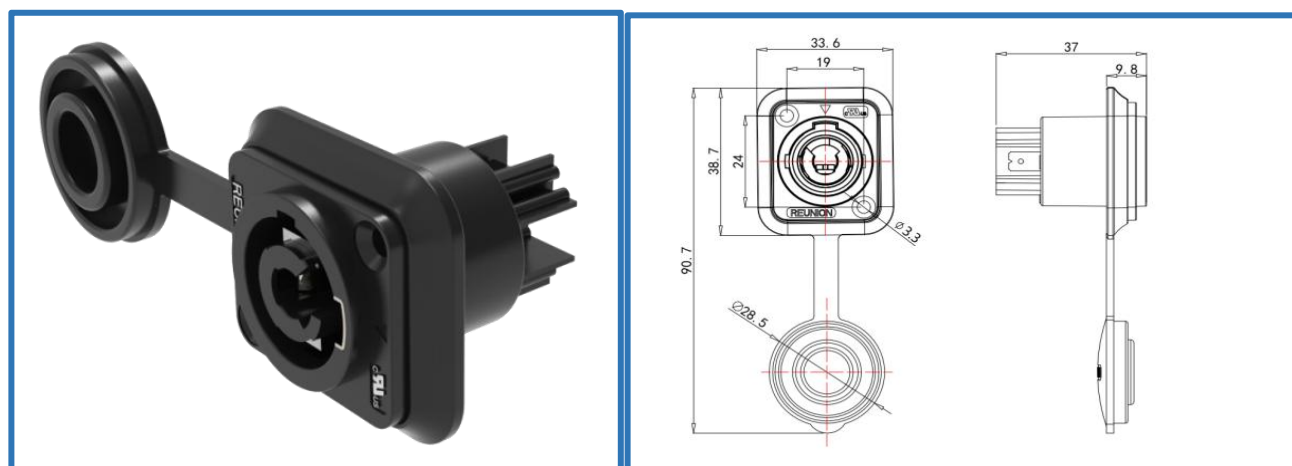
SME.3N303.NQY.67 Fixed Socket, IP67, 90° key



PCF.3N303.NE12LL.67 Straight Plug, IP67, -90° key



SMF.3N303.NQL.67 Fixed Socket, IP67, -90° key



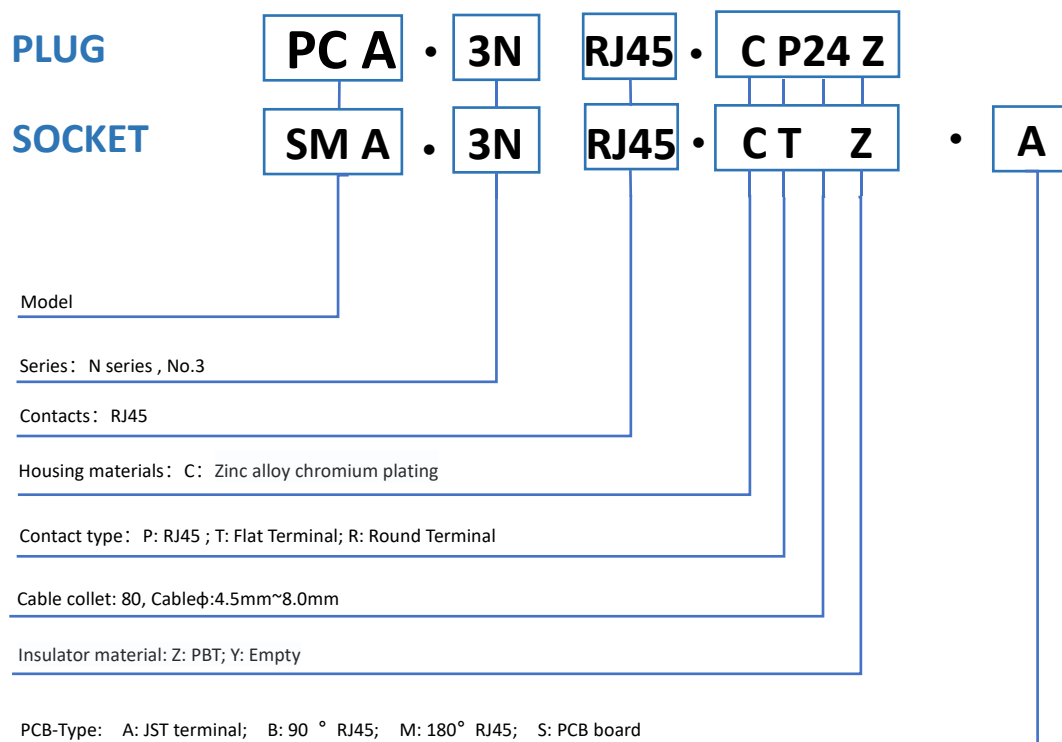
RJ45 series Signal connectors

- Quick and convenient turning locking system;
- More Endurable contacts;
- More stable signal transmission;
- More comfortable when mating;
- Cylinder contact self-cleaning;
- Easy to lock and unlock;
- Applicable for different registered jack;

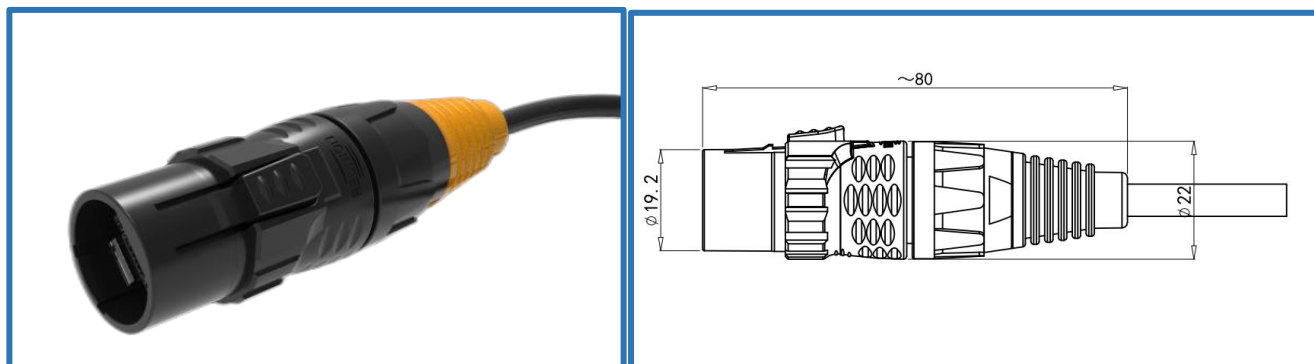
RJ45 series Technical characteristic

- Contacts: RJ45
- Vated current: 1.5A
- Over 2,000 times mating
- Working voltage: 50V
- Contact resistance: < 10mΩ
- Working Temp (Min/Max): -40℃ / +85℃
- Salt fog Corrosion:> 48h
- Protection class(mated): IP50/IP67

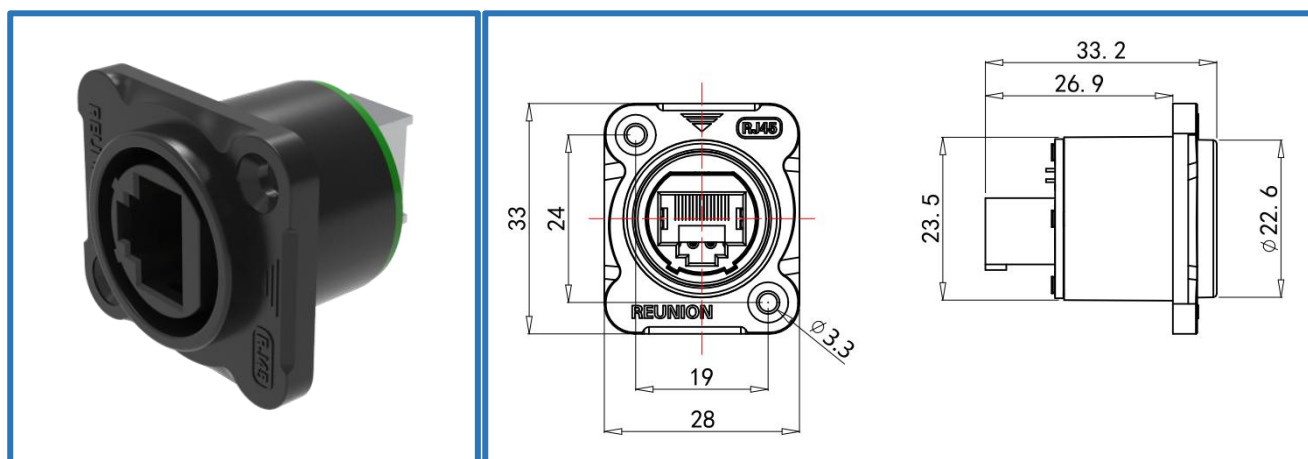
RJ45 series part numbering system



PCA.3NRJ45.CP24Z Signal Plug, IP67 waterproof



SMA.3NRJ45.CTZ.A Signal Socket, IP67 Waterproof

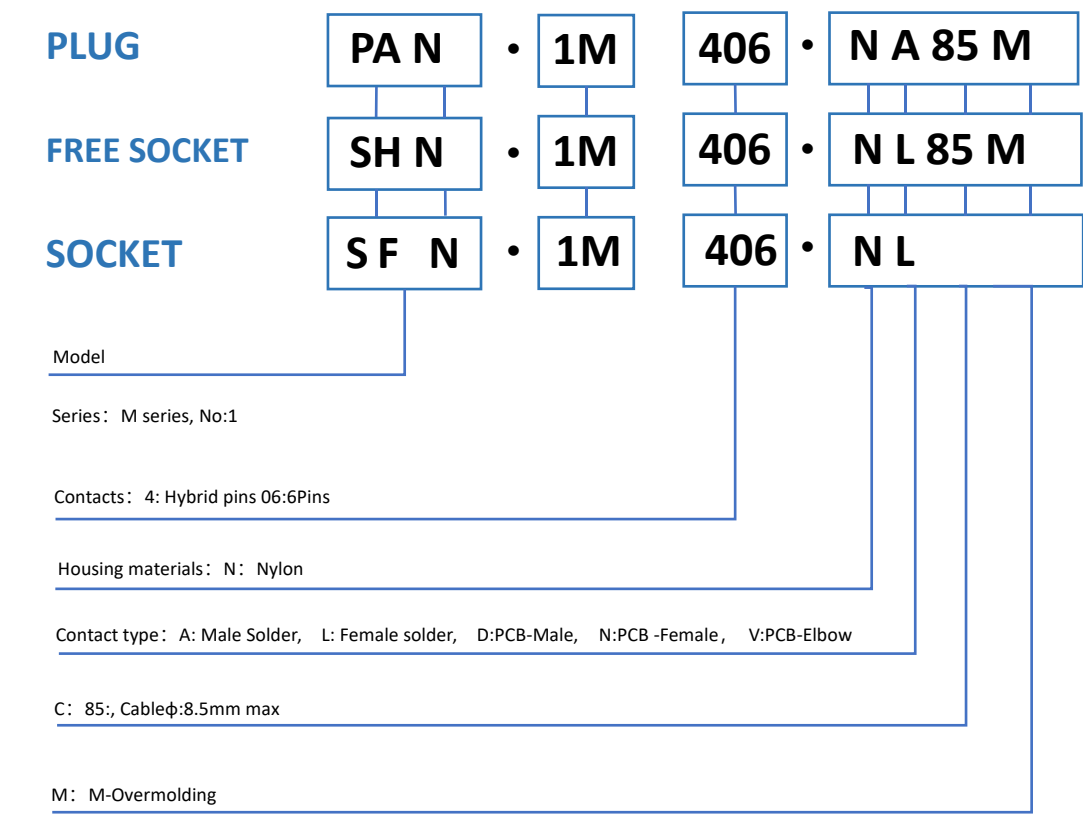


M SERIES

M Series Power & Signal connectors

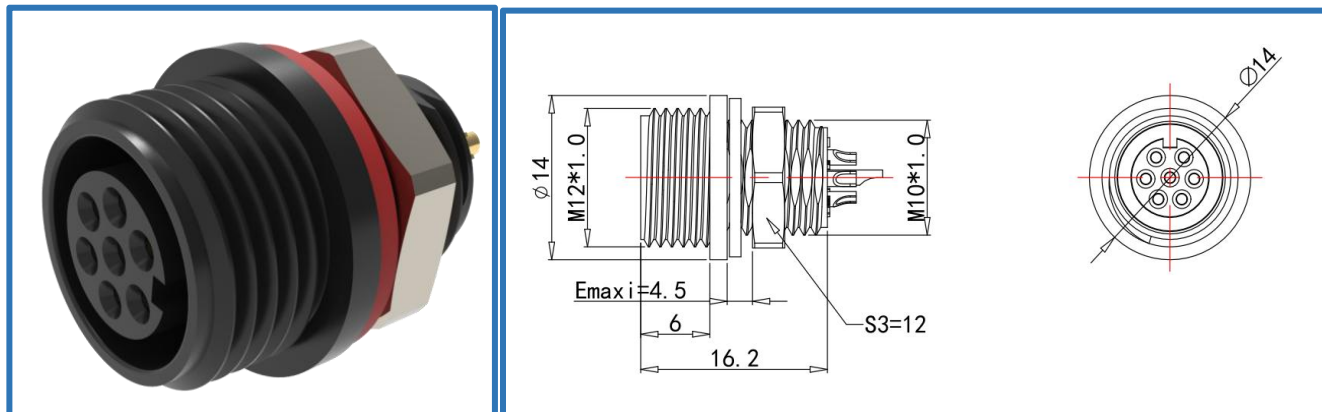
- Safe and reliable connection system;
- Multipole, power and signal output;
- Solder or PCB print contacts;
- Compact design for space saving;
- Plastic shell, IP67 waterproof;

M series part numbering system

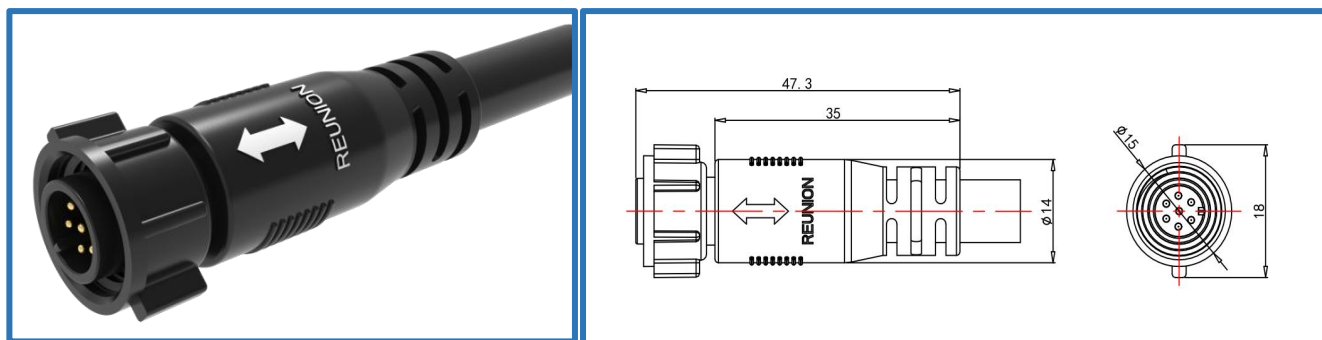


1M SERIES

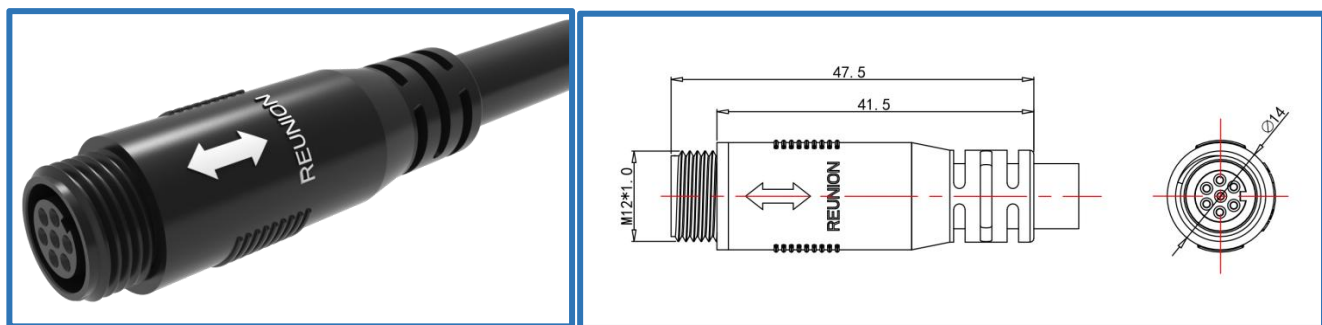
SFG.1M307.NL : 1M7Pins Fixed Socket



PAG.1M307.NA : 1M7Pins Straight Plug



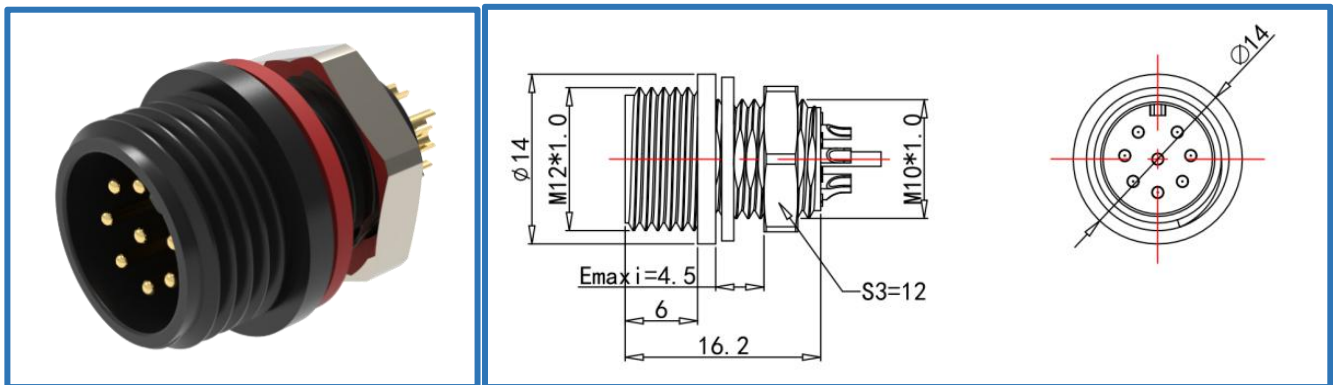
SHG.1M307.NL : 1M7Pins Free Socket



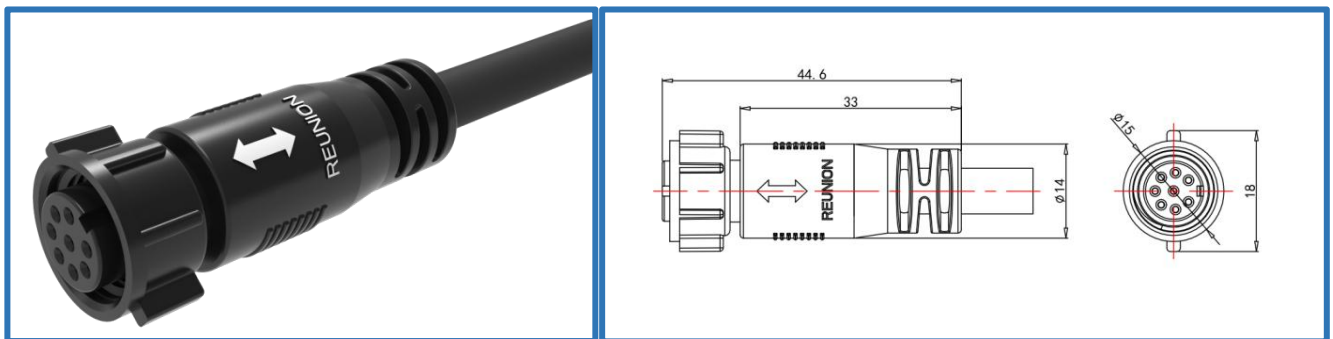
7Pins Contacts Configuration

PIns	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
7	0.9	250	10	6	>1000	>500	IP67	-40~105℃

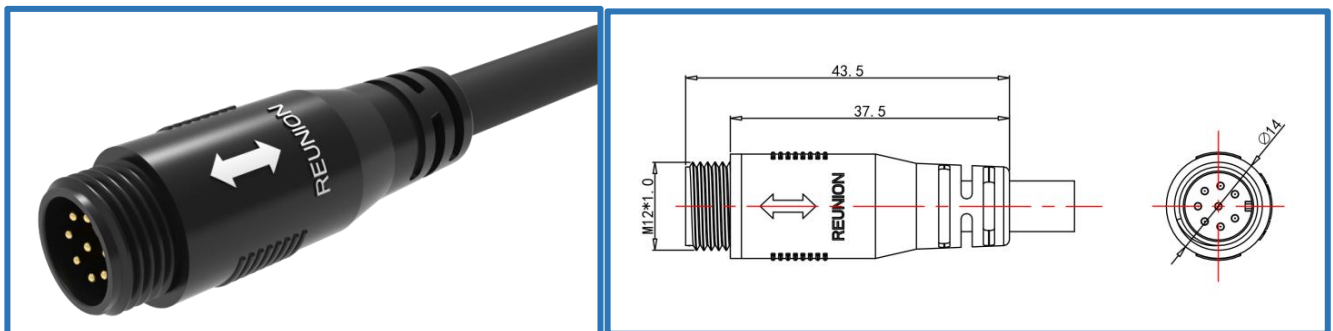
SFG.1M308.NA : 1M8Pins Fixed Socket



PAG.1M308.NL : 1M8Pins Straight Plug



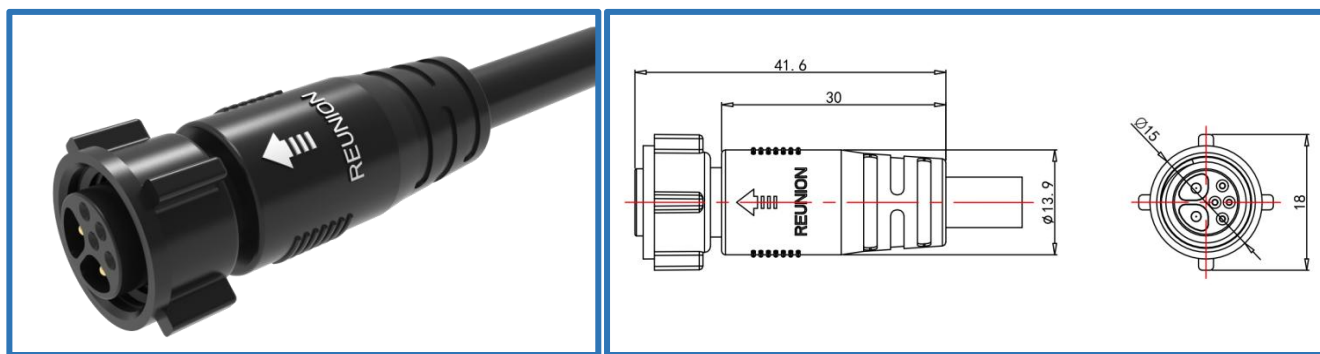
SHG.1M308.NA : 1M8Pins Free Socket



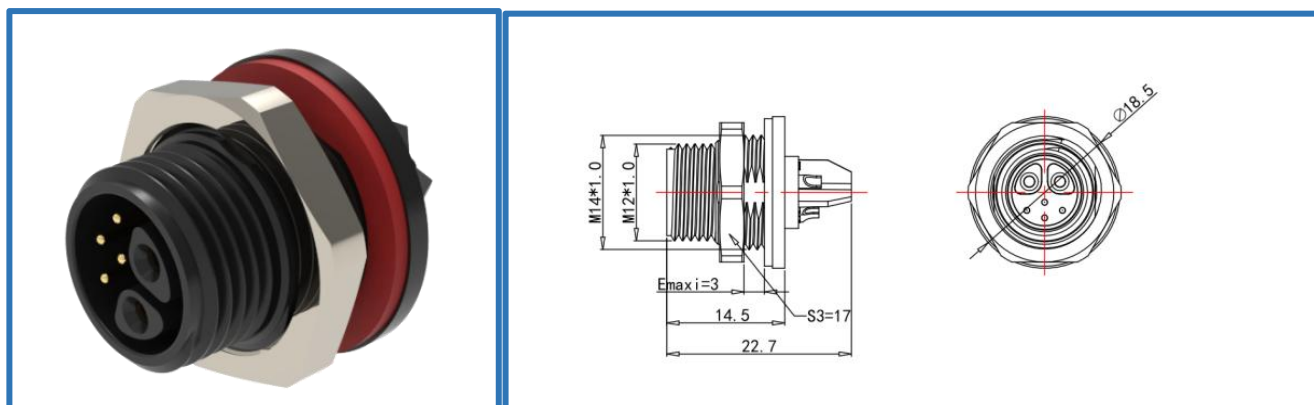
8Pins Contacts Configuration

Pins	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
8	0.9	250	10	6	>1000	>500	IP67	-40~105°C

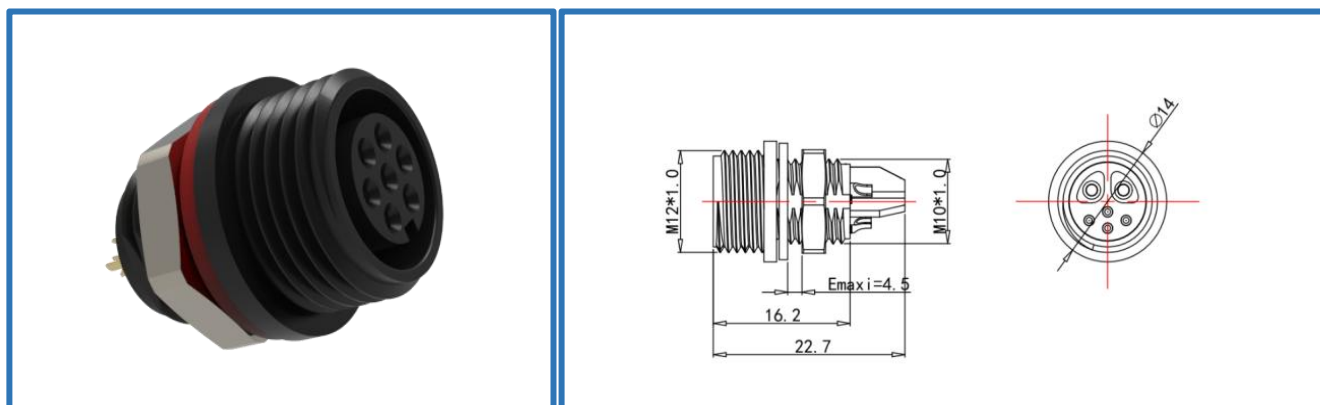
PAN.1M406.NA : 1M2+4Pins Straight Plug



SEN.1M406.NL : 1M2+4Pins Fixed Socket



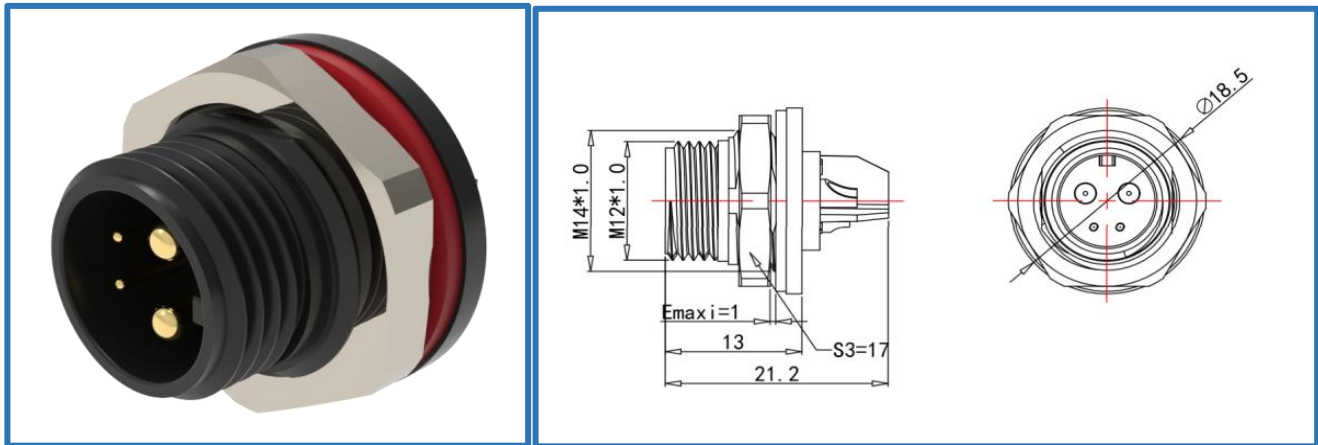
SHN.1M406.NL : 1M2+4Pins Free Socket



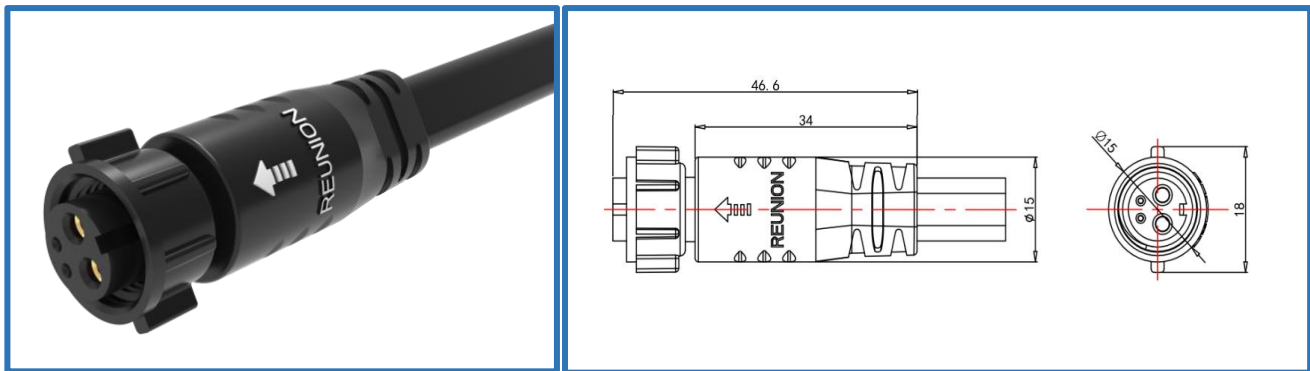
2+4Pins Contacts Configuration

Plns	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
2-power	1.3	500	12	5	>1000	>500	IP67	-40~105℃
4-signal	0.7	50	6	7.5				

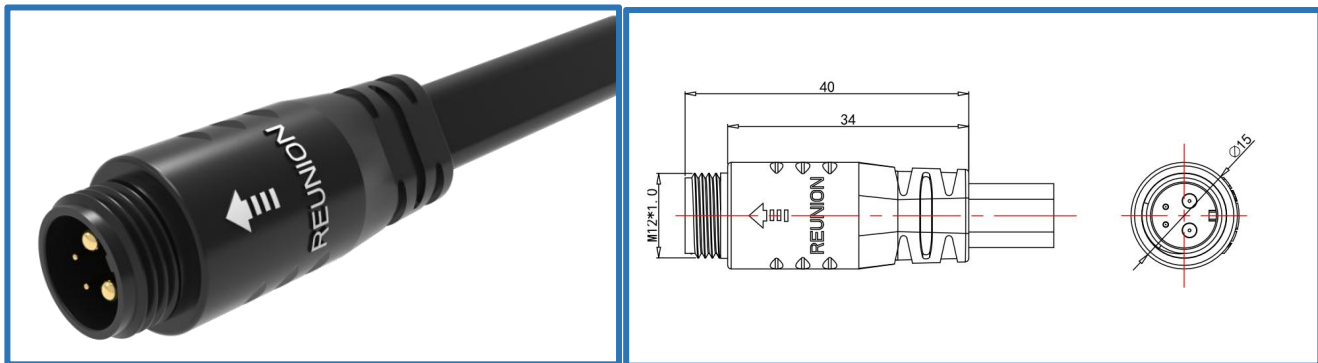
SCG.1M404.NA : 1M2+2Pins Fixed Socket



PCG.1M404.NL : 1M2+2Pins Straight Plug



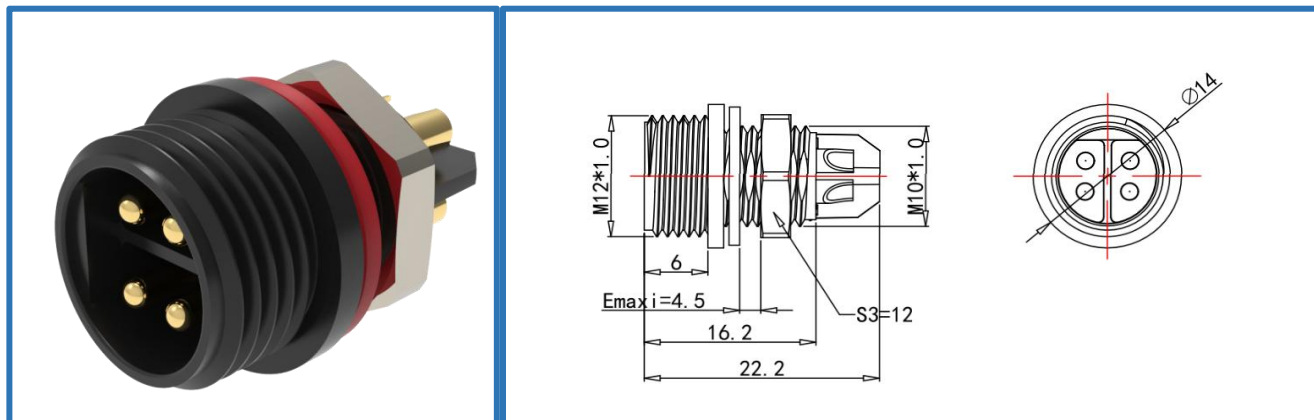
SHC.1M404.NA : 1M2+2Pins Free Socket



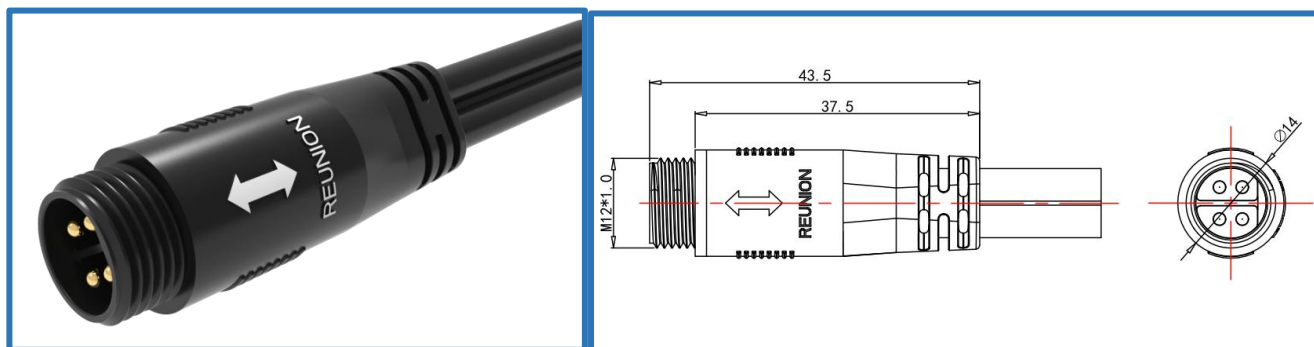
2+2Pins Contacts Configuration

Pins	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
2-power	1.3	500	20	5	>1000	>500	IP67	-40~105℃
2-signal	0.7	50	6	7.5				

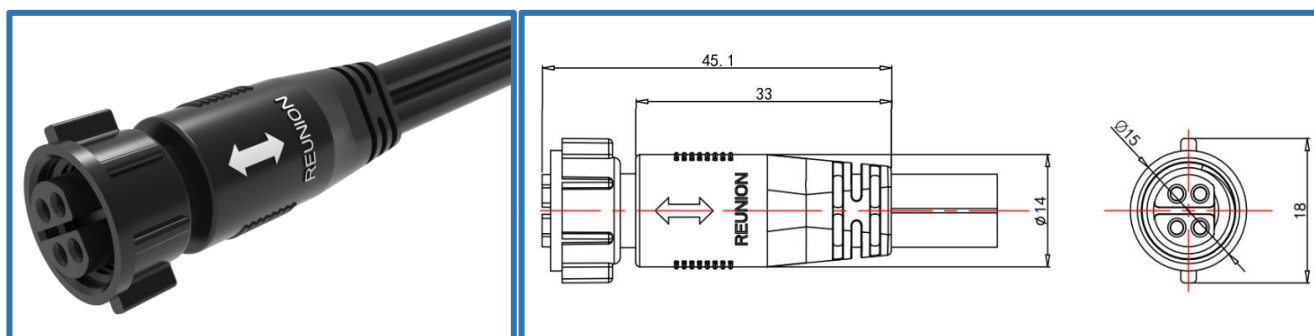
SFN.1M304.NA : 1M4Pins Fixed Socket



SHN.1M304.NA : 1M4Pins Free Socket



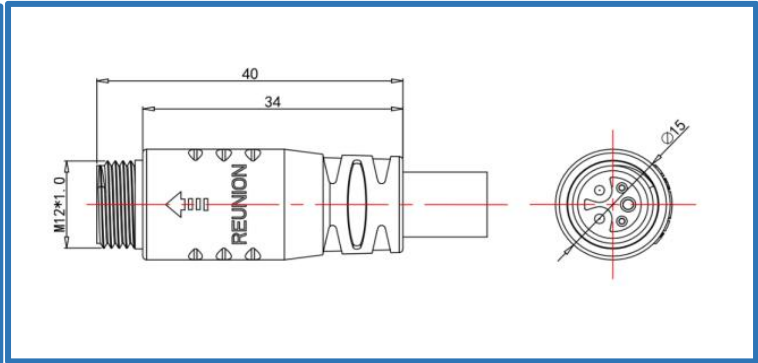
PAN.1M304.NL : 1M4Pins Straight Plug



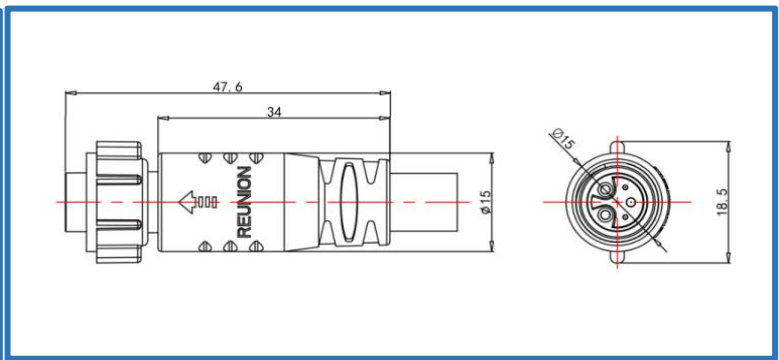
4Pins Contacts Configuration

Plns	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
4	1.6	500	16	4	>1000	>500	IP67	-40~105℃

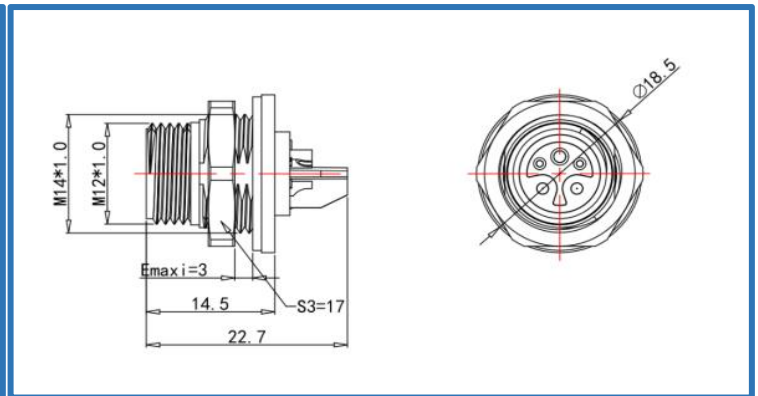
SHG.1M405.NA : 1M3+2Pins Free Socket



PBG.1M405.NL : 1M3+2Pins Straight Plug



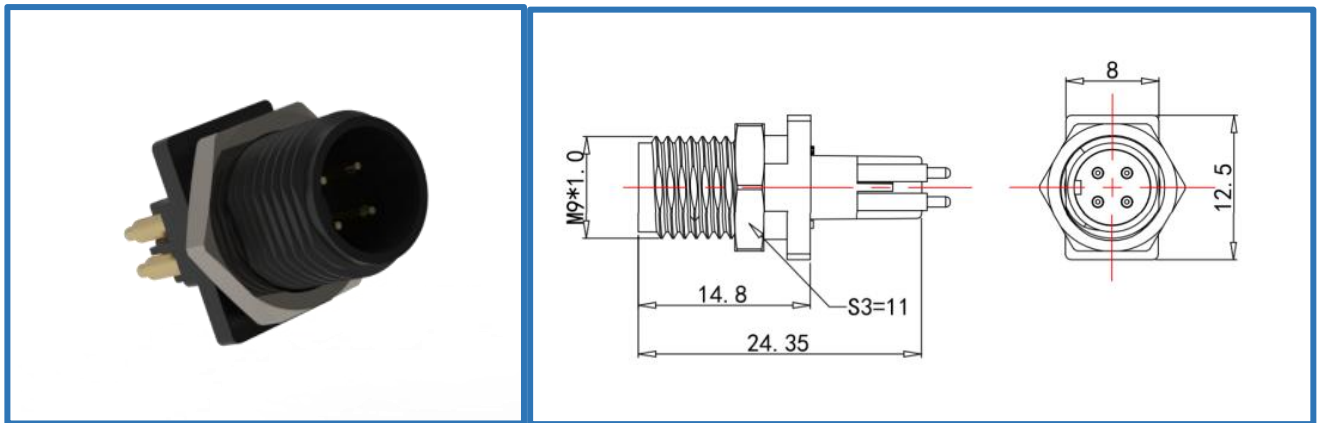
SEG.1M405.NA : 1M3+2Pins Fixed Socket



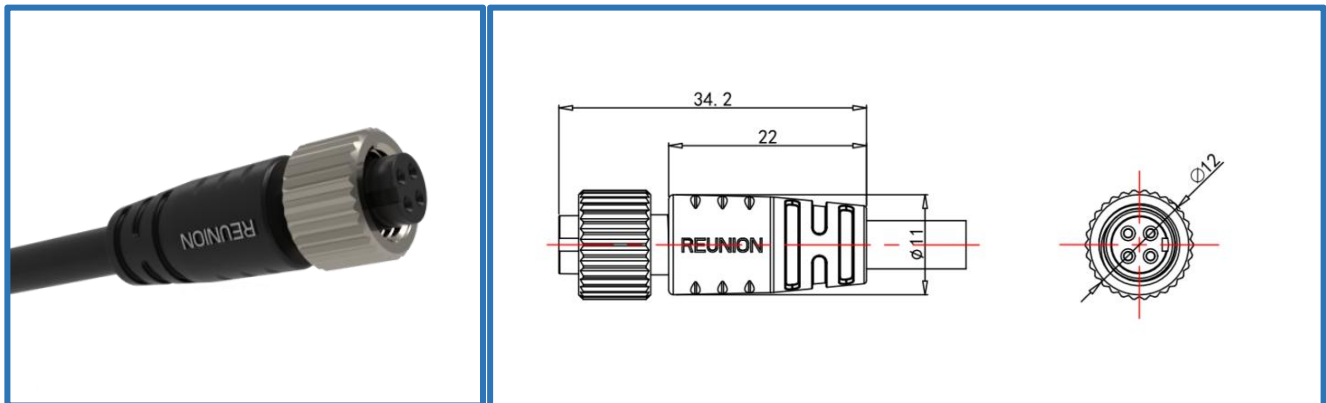
3+2Pins Contacts Configuration

Pins	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
2	1.3	500	12	5	>1000	>500	IP67	-40~105℃
1	1.3	500	12	5				
2	0.7	50	6	7.5				

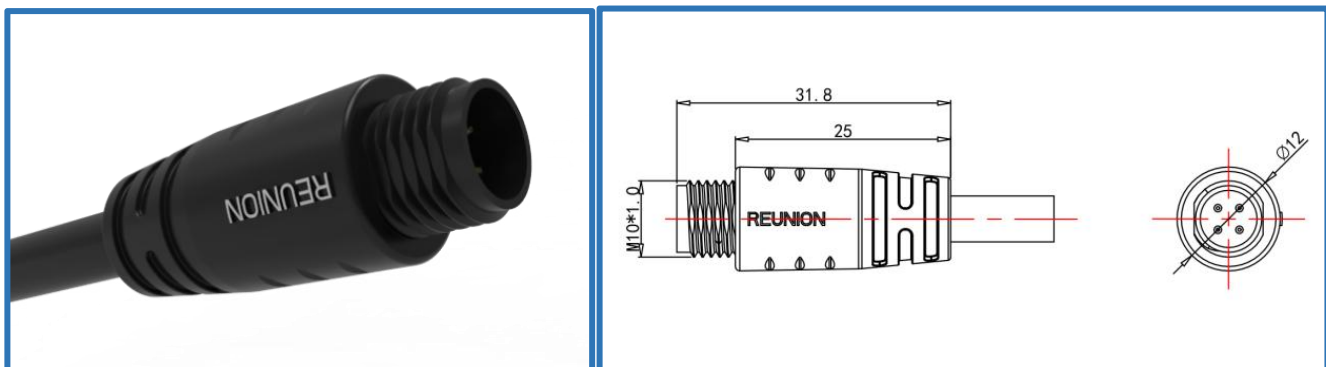
SBG.1M304.ND : 1M4Pins Fixed Socket



PBG.1M304.NL : 1M4Pins Straight Plug



SHG.1M304.NA : 1M4Pins Free Socket

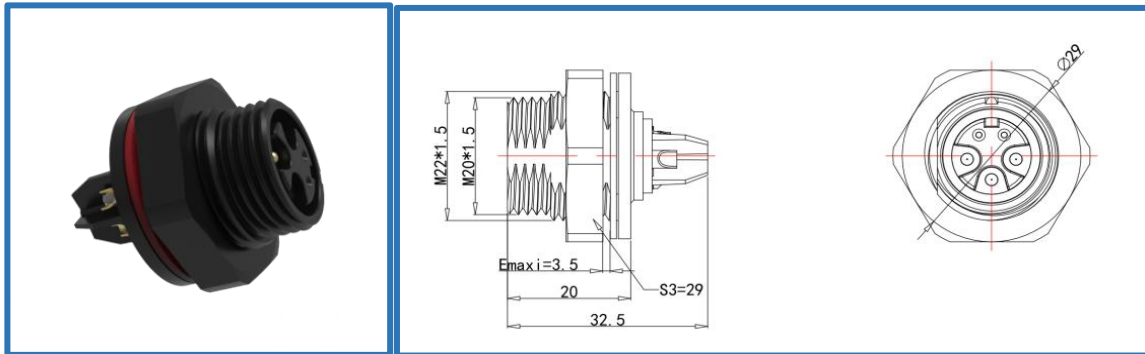


4Pins Contacts Configuration

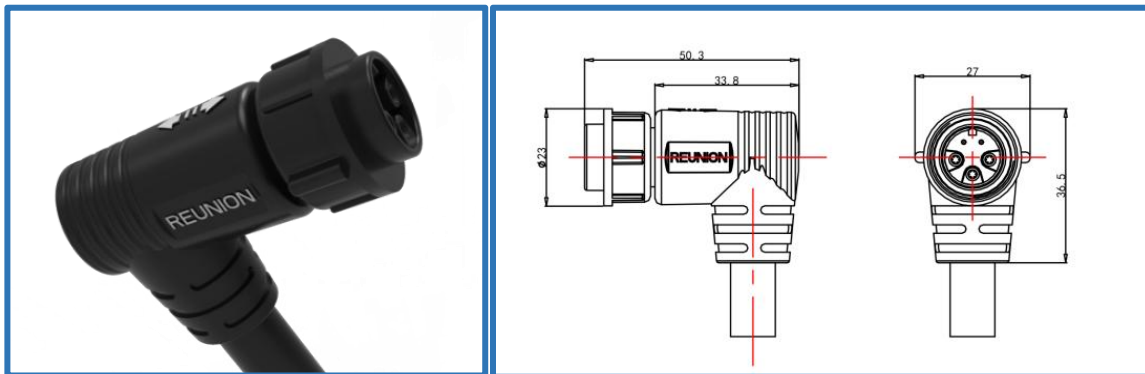
Plns	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
4	0.9	250	9	6	>1000	>500	IP67	-40~105°C

2M SERIES

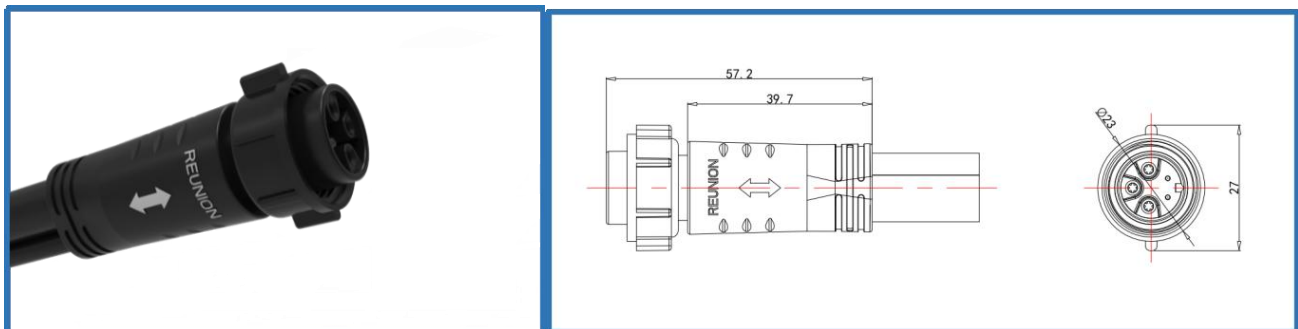
SEG.2M405.NL : 2M3+2Pins Fixed Socket



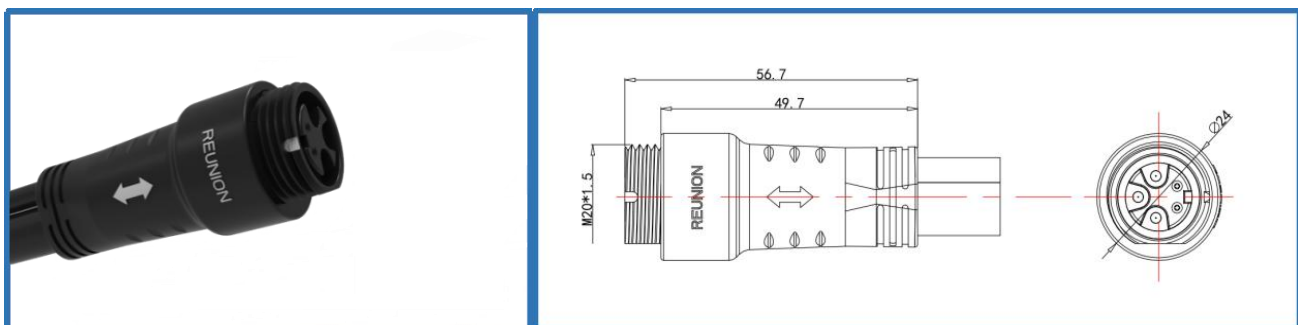
PEG.2M405.NL : 2M3+2Pins Elbow Plug



PAG.2M405.NL: 2M3+2Pins Straight Plug



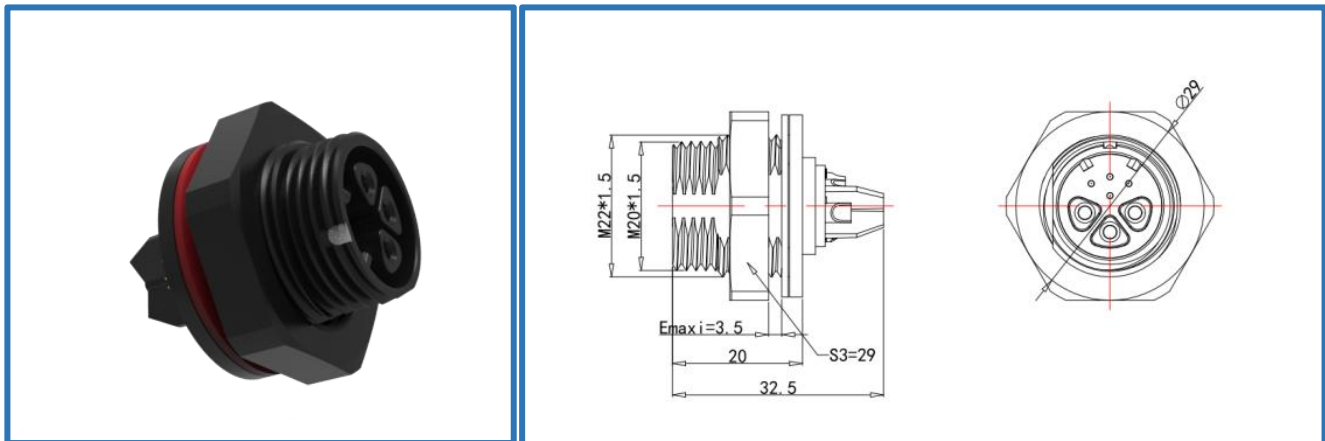
SHG.2M405.NL: 2M3+2Pins Free Socket



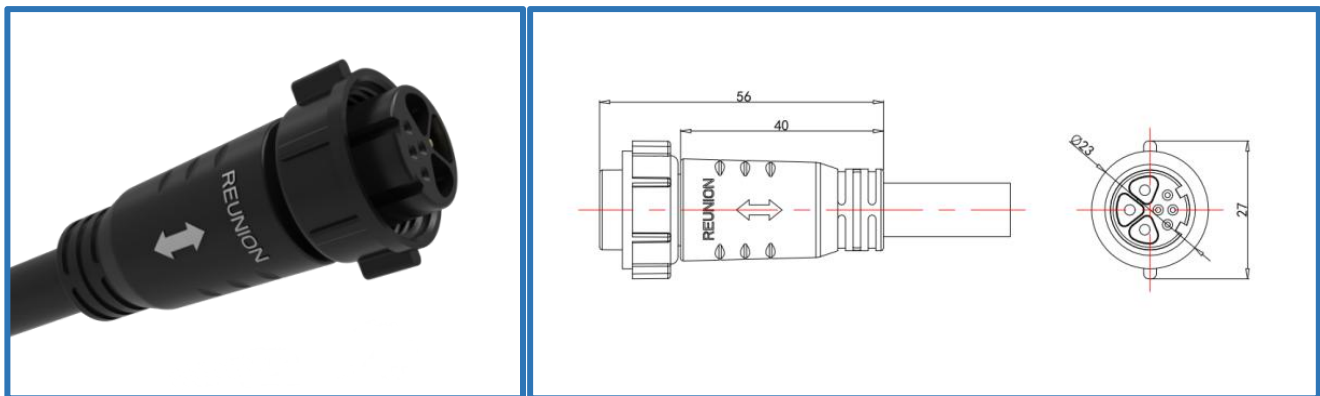
3+2Pins Contacts Configuration

Plns	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
3-power	2.0	500	22	3	>1000	>500	IP67	-40~105℃
2-signal	0.9	100	9	6				

SEB.2M407.NL : 2M3+4Pins Fixed Socket



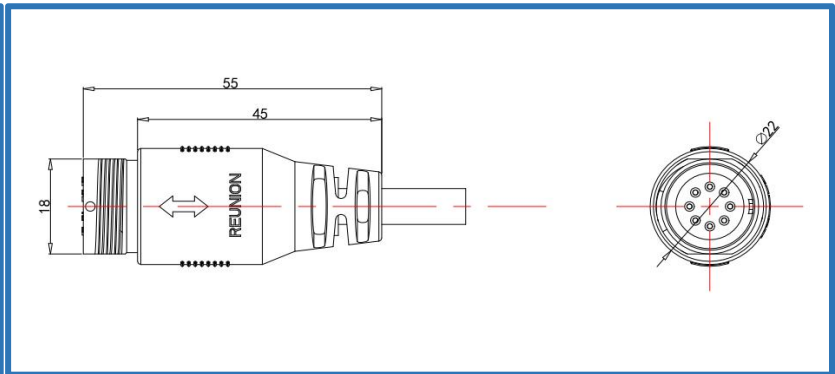
PAB.2M407.NA : 2M3+4Pins Straight Plug



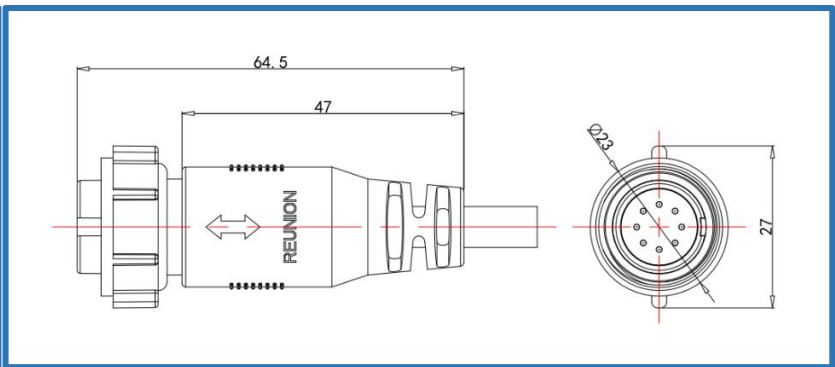
3+4Pins Contacts Configuration

Plns	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
3-power	2.0	500	22	3	>1000	>500	IP67	-40~105℃
4-signal	0.9	100	9	6				

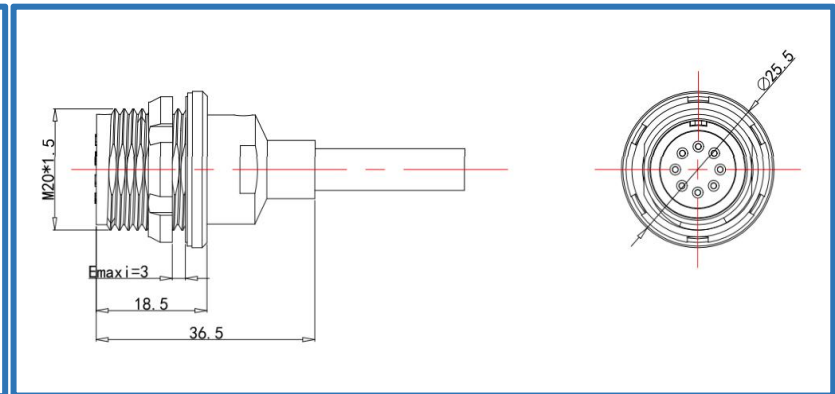
SHG.2M308.NL : 2M8Pins Free Socket



PNG.2M308.NA : 2M8Pins Straight Plug



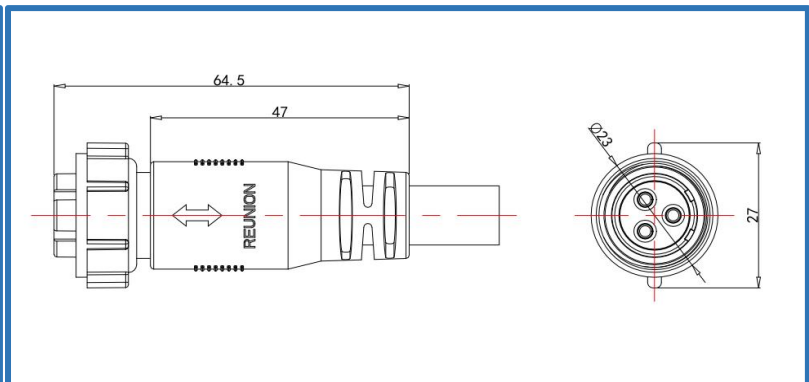
SNG.2M308.NL : 2M8Pins Fixed Socket



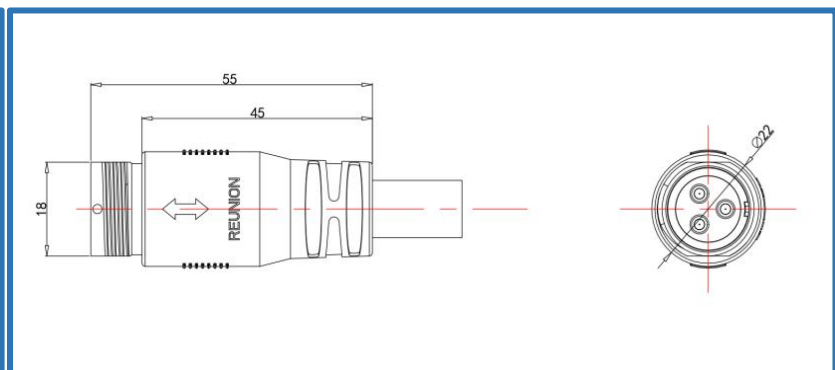
8Pins Contacts Configuration

Plns	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
8	0.9	200	5	6	>1000	>500	IP68	-40~105℃

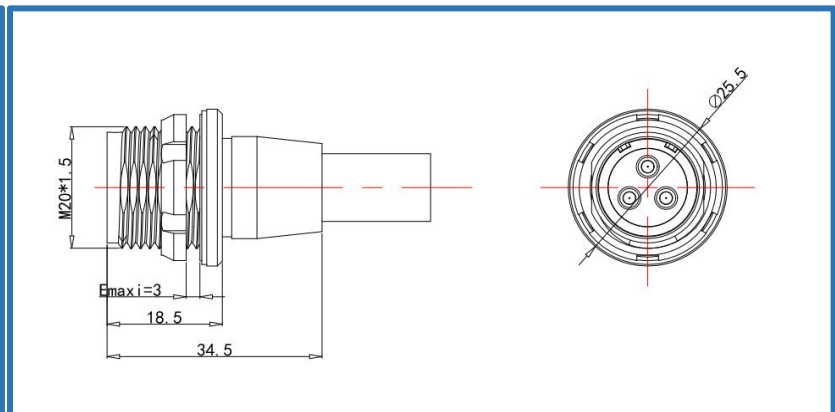
PNB.2M303.NL : 2M3Pins Straight Plug



SHB.2M303.NA : 2MPins Free Socket



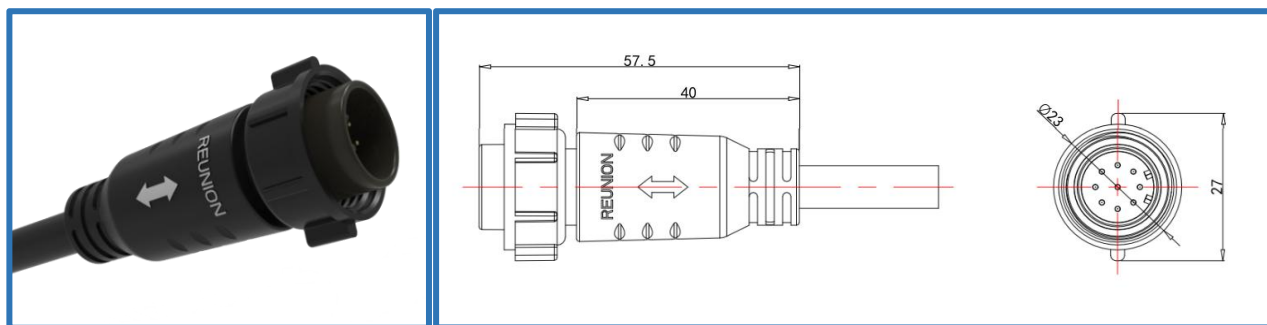
SNB.2M303.NA : 2M3Pins Fixed Socket



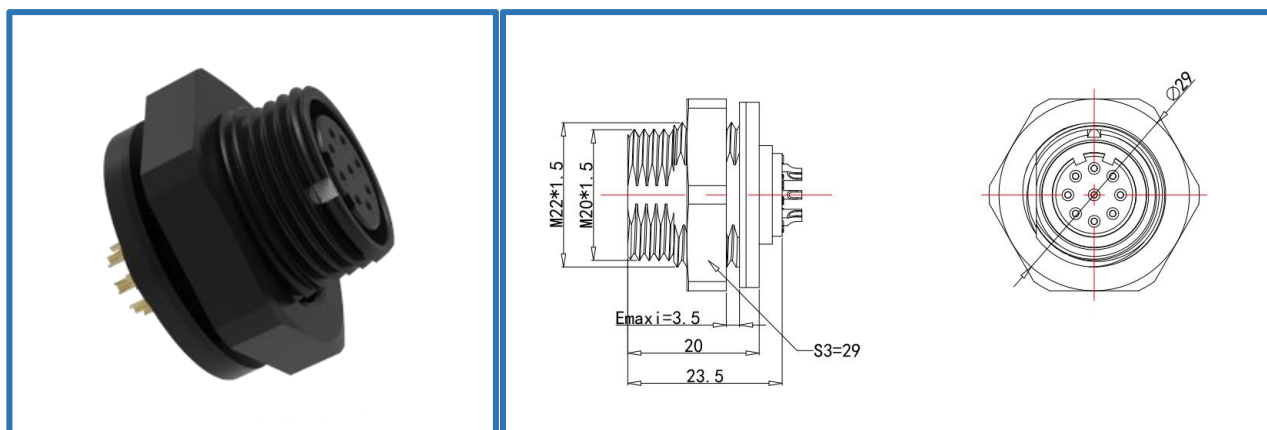
3Pins Contacts Configuration

PIns	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
3	2.0	500	22	3	>1000	>500	IP68	-40~105℃

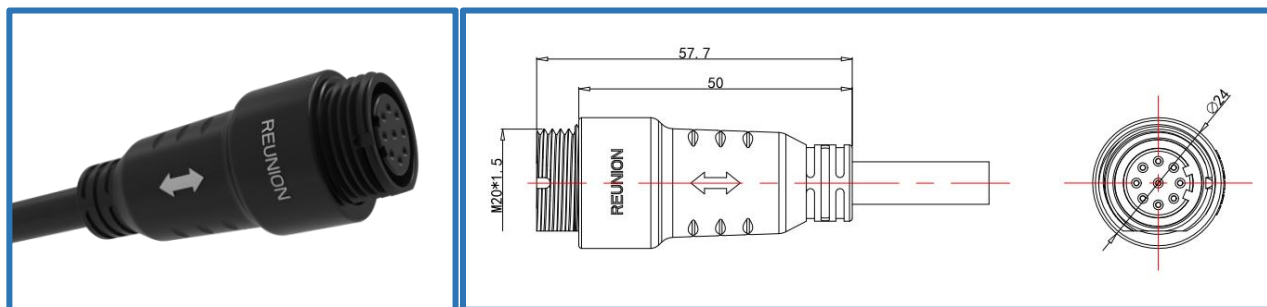
PEJ.2M309.NA : 2M9Pins Straight Plug



SEJ.2M309.NL : 2M9Pins Fixed Socket



SHJ.2M309.NL : 2M9Pins Free Socket



9Pins Contacts Configuration

Pins	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
9	0.9	500	9	6	>1000	>500	IP67	-40~105℃

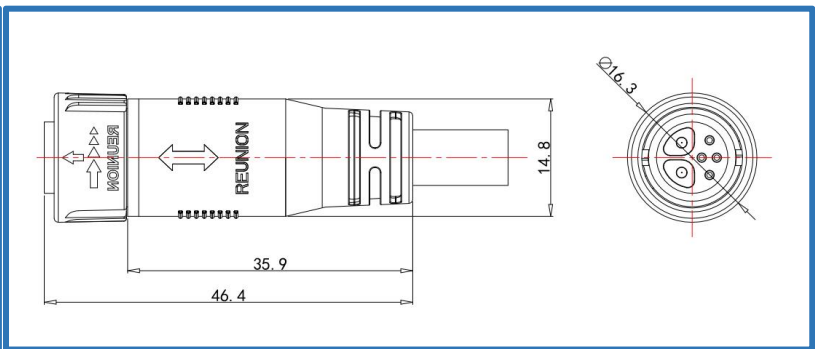
X SERIES

X Series Power & Signal Connectors

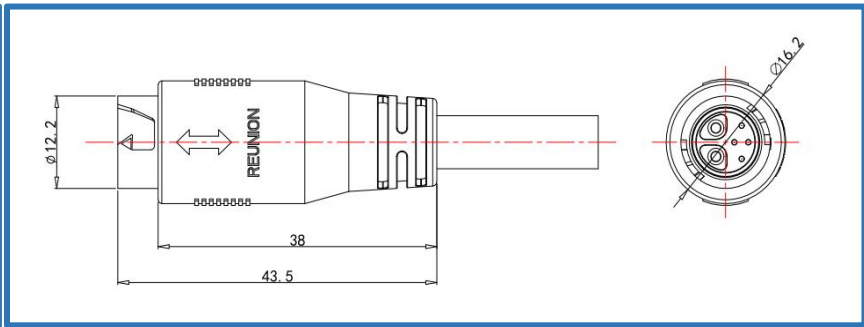
- Safe and reliable connection system;
- Multipole, power and signal output;
- Solder or PCB print contacts;
- Compact design for space saving;
- Plastic shell, IP67 waterproof;

1X SERIES

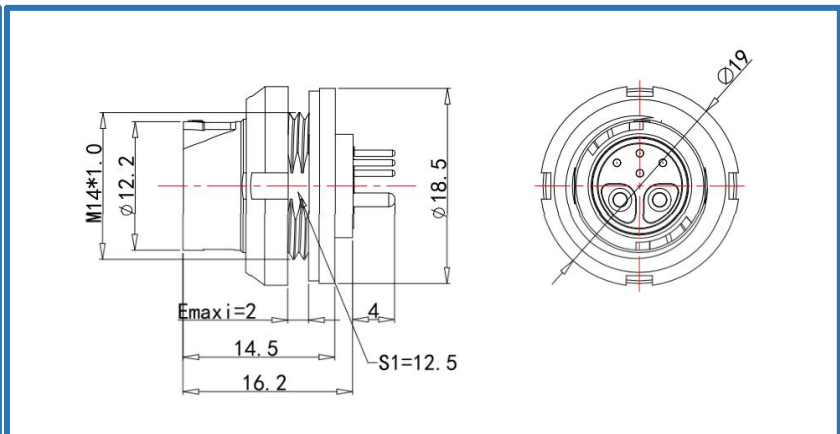
PAN.1X406.NA : 1X2+4Pins Straight Plug



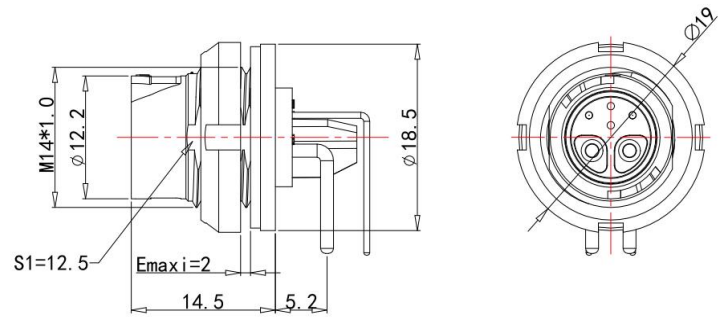
SHN.1X406.NL : 1X2+4Pins Free Socket



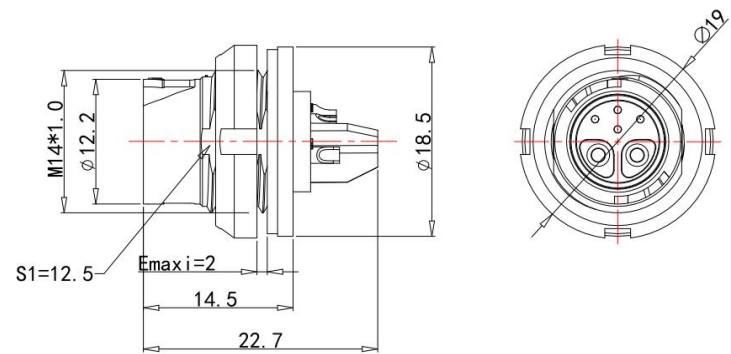
SEN.1X406.NN : 1X2+4Pins Fixed Socket, PCB



SEN.1X406.NV : 1X2+4Pins Fixed Socket, PCB



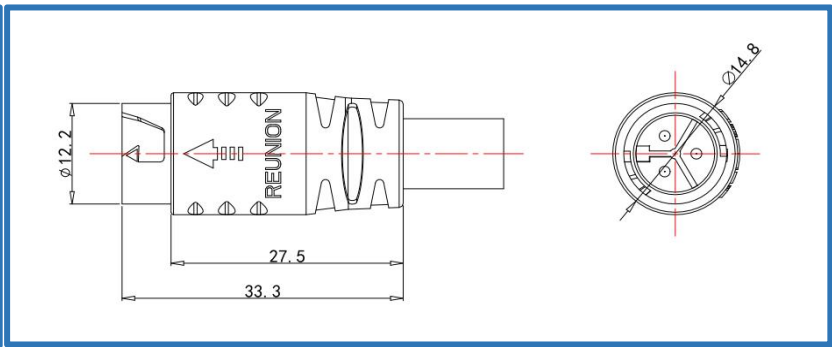
SEN.1X406.NL : 1X2+4Pins Fixed Socket, Solder



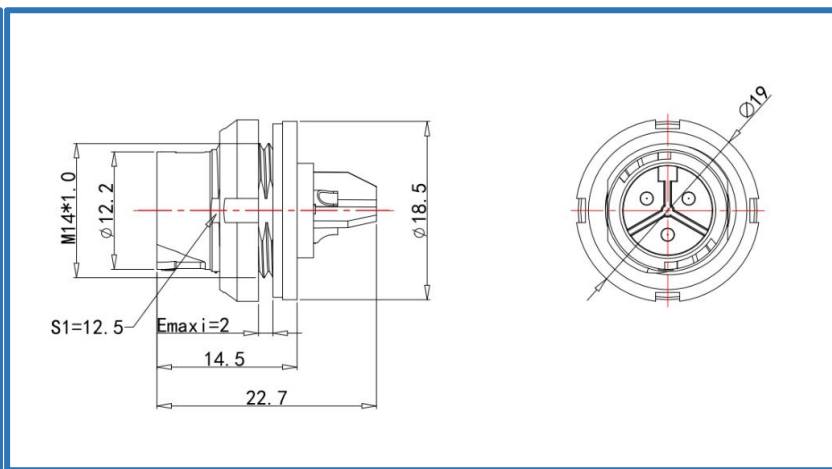
2+4Pins Contacts Configuration

Pins	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
2-power	1.3	500	12	7.5	>1000	>500	IP67	-40~105℃
4-signal	0.7	50	6	5				

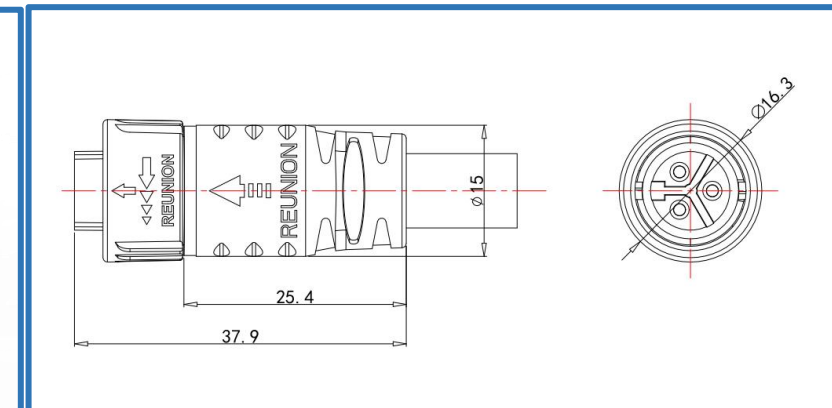
SHG.1X303.NA : 1X3Pins Free Socket



SEG.1X303.NA : 1X3Pins Fixed Socket



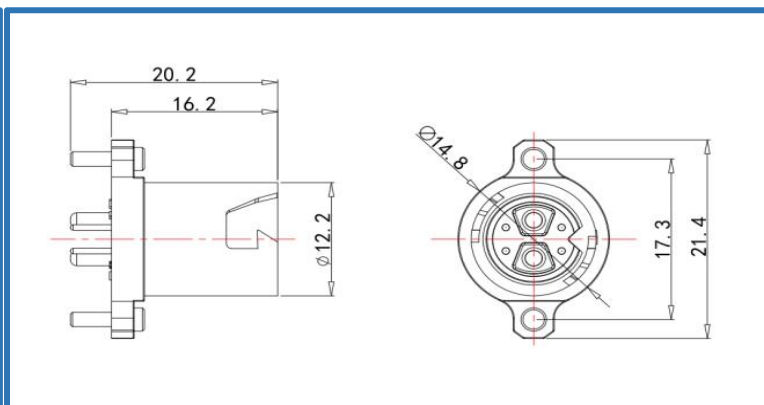
PAG.1X303.NL : 1X3Pins Straight Plug



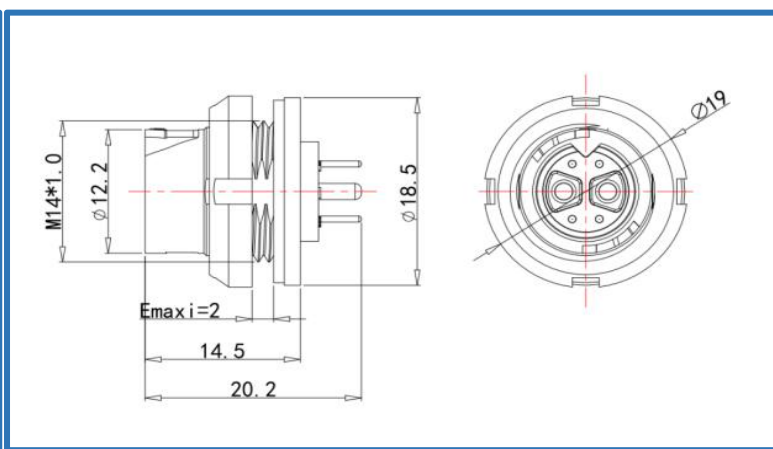
3Pins Contacts Configuration

Pins	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
3	1.3	250	12	7.5	>1000	>500	IP67	-40~105℃

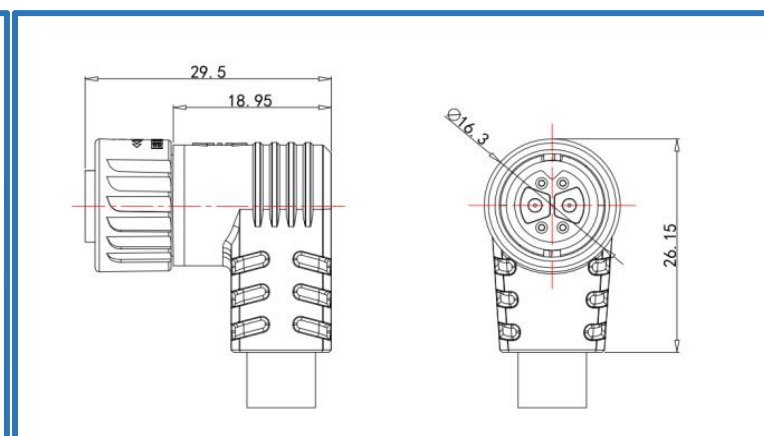
SGN.1X406.NN : 1X2+4Pins Fixed Socket



SCN.1X406.NN : 1X2+4Pins Fixed Socket



PCN.1X406.NA : 1X2+4Pins Elbow Plug

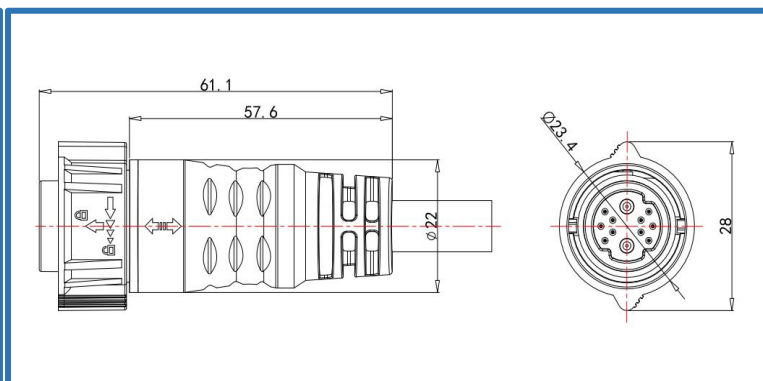


2+4Pins Contacts Configuration

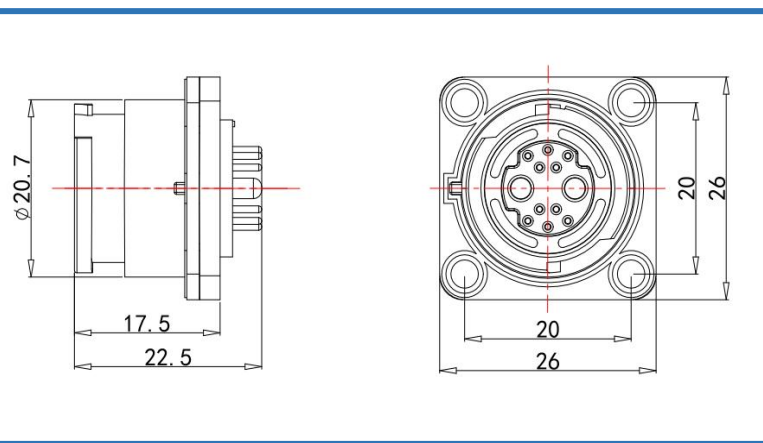
Pins	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
2-power	1.6	500	16	4	>1000	>500	IP67	-40~105℃
4-signal	0.7	50	6	7.5				

2X SERIES

PMG.2X312.NA : 2X2+10Pins Straight Plug



SMG.2X312.NN : 2X2+10Pins Fixed Socket

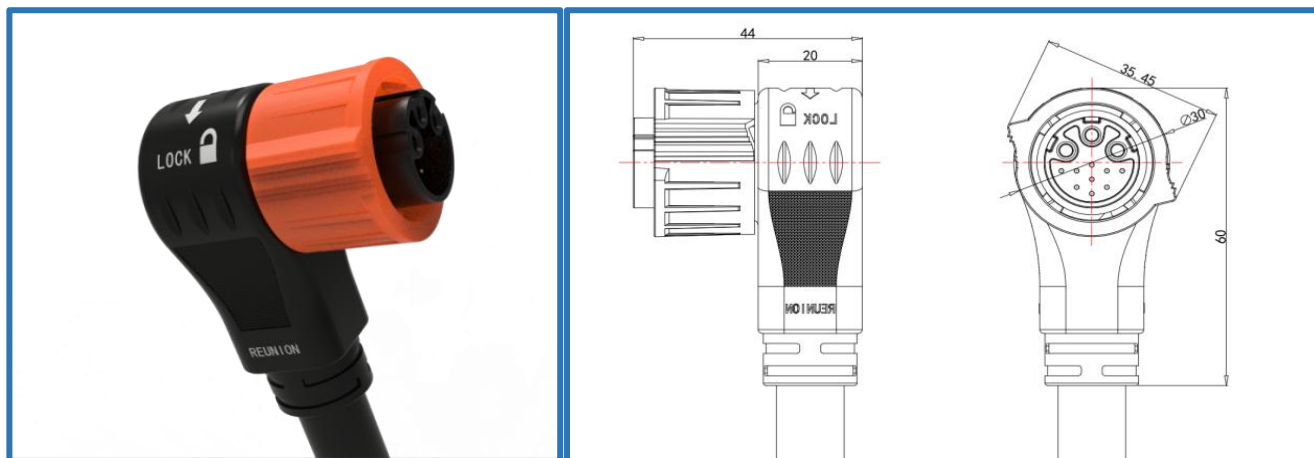


2+10Pins Contacts Configuration

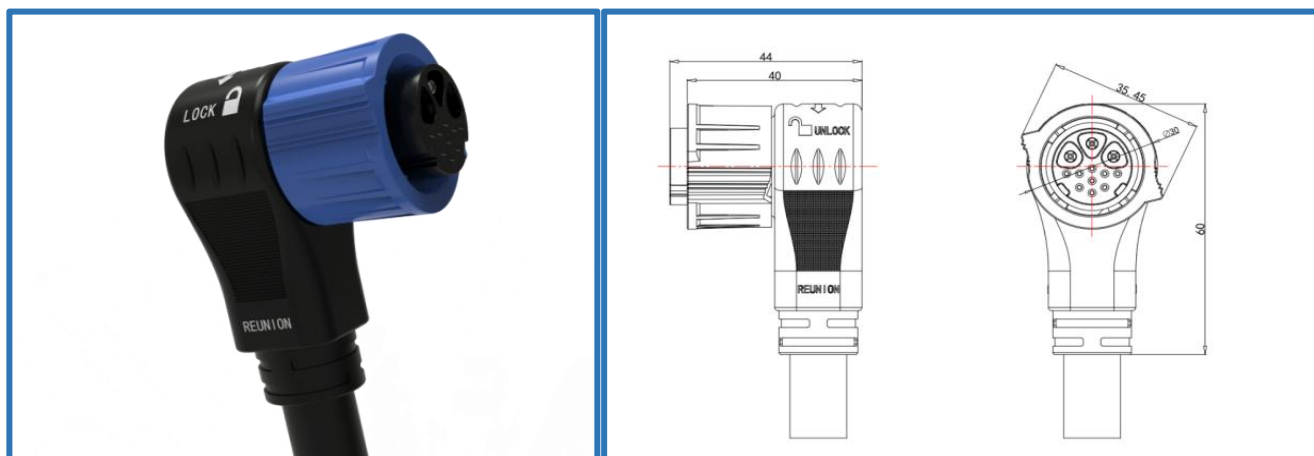
Pins	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
2-power	2.4	300	20	2.5	>3000	>500	IP67	-40~105℃
10-signal	0.6	30	5	8.5				

3X SERIES

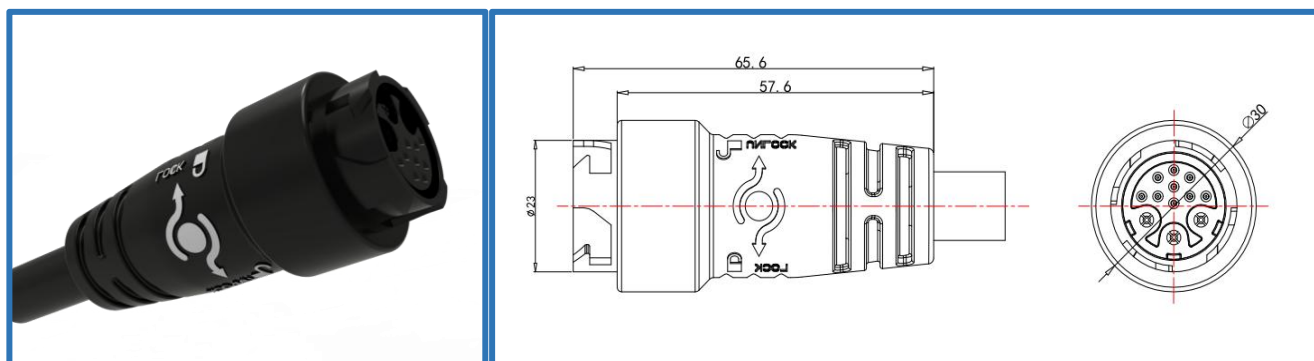
PAD.3X412.NL : 3X3+9Pins Elbow Plug-Female



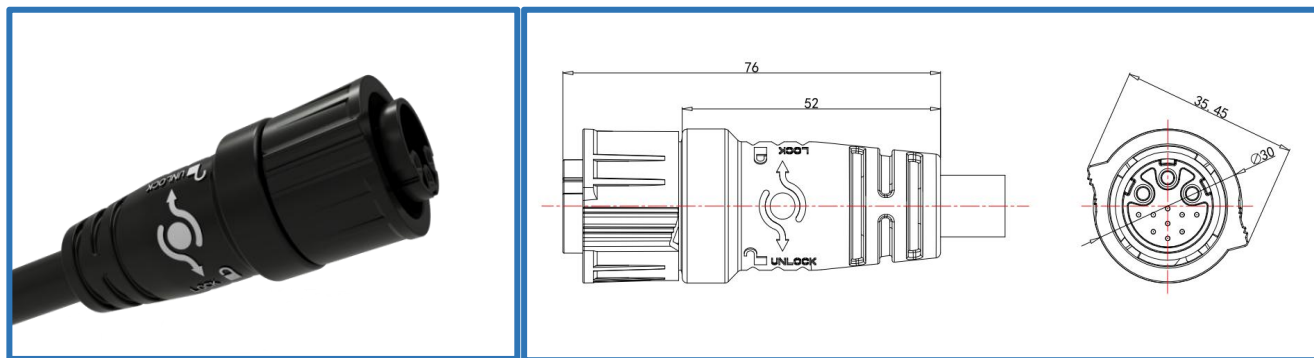
PAD.3X412.NA : 3X3+9Pins Elbow-Male



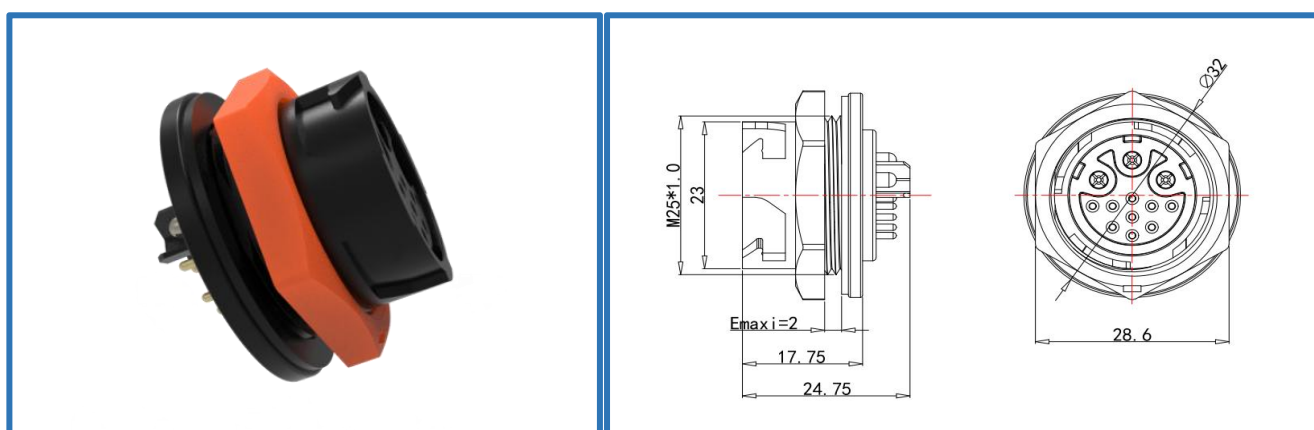
SHD.3X412.NA : 3X3+9pins Free Socket-Male



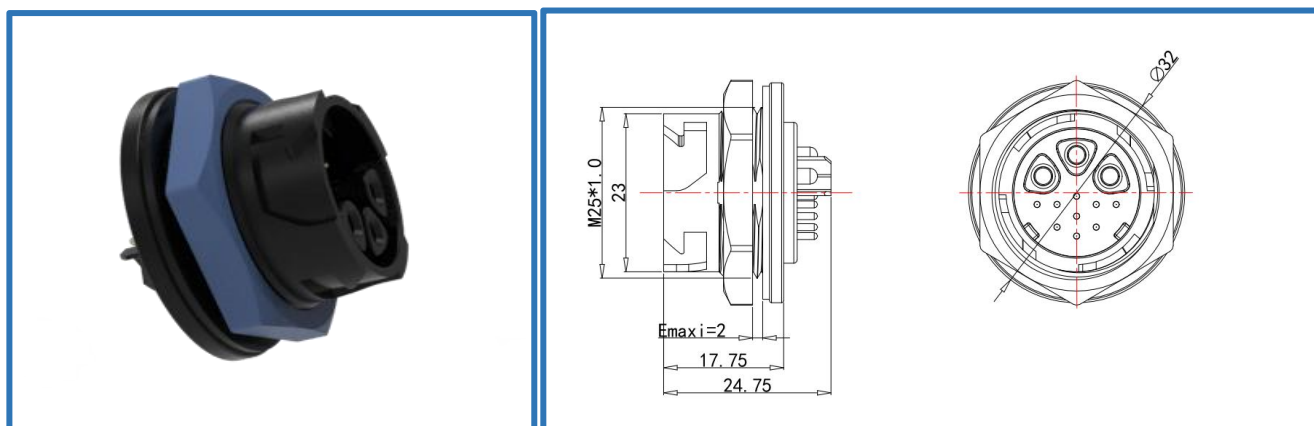
PBD.3X412.NL : 3X3+9Pins Straight Plug-Female



SED.3X412.ND : 3X3+9Pins Fixed Socket-Female, PCB



SED.3X412.NN : 3X3+9Pins Fixed Socket-Male, PCB



3+9

Pins Contacts Configuration

Pins	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
3-power	2.4	300	30	2.5	>3000	>500	IP67	-40~105°C
9-signal	0.9	30	5	6				

FLAT H SERIES

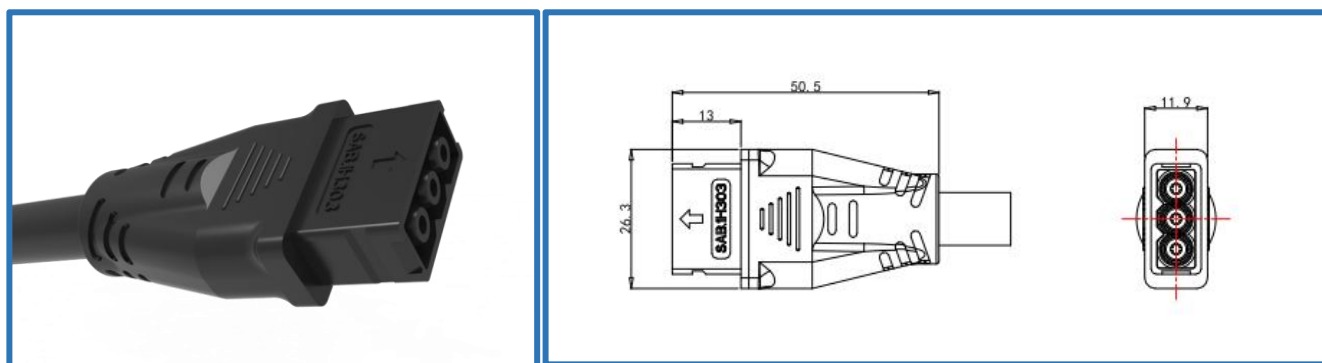
H Series Flat Connectors

- Safe and reliable connection system;
- Multipole, power and signal output;
- Solder or PCB print contacts;
- Compact design for space saving;
- Plastic shell, IP67 waterproof;

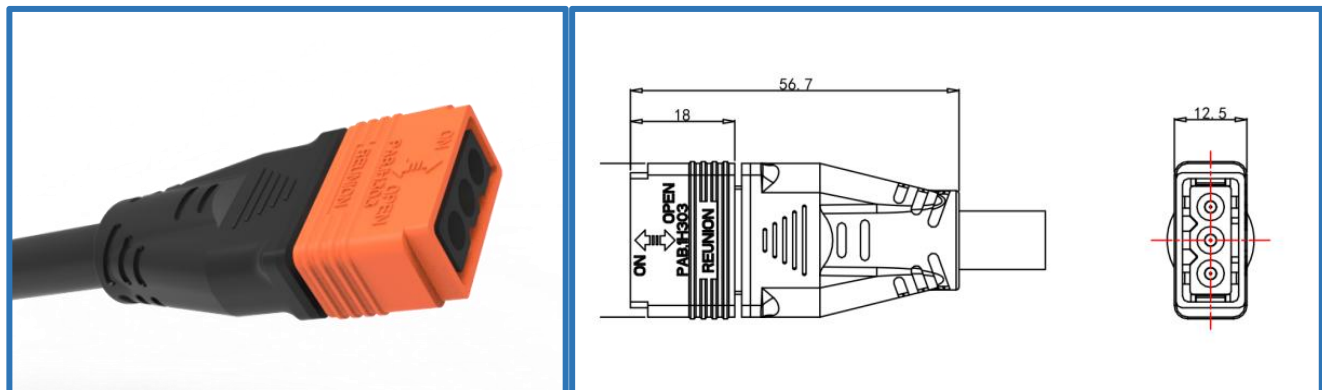
H Series

3PINS

SAB.1H303.NL : Socket with cable, Push-Pull



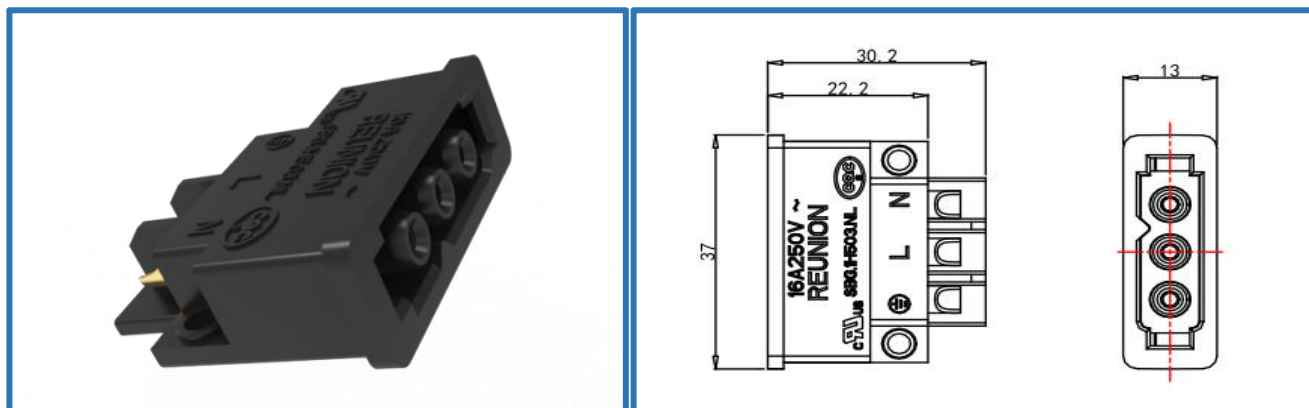
PAB.1H303.NA : Plug with cable, Push-Pull



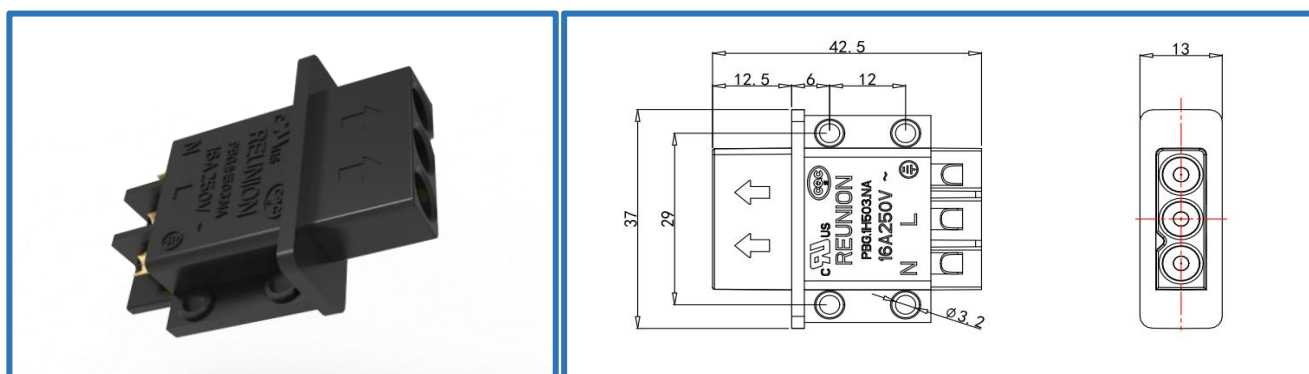
3Pins Contacts Configuration

PIns	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
3	2.0	250	20	3	>1000	>500	IP50	-40~105°C

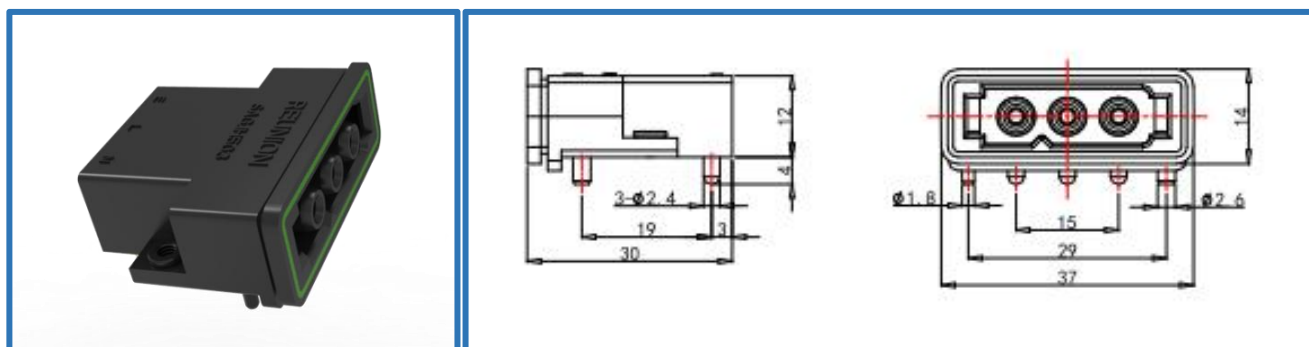
SBG.1H503.NL : Socket , Screw Fixing



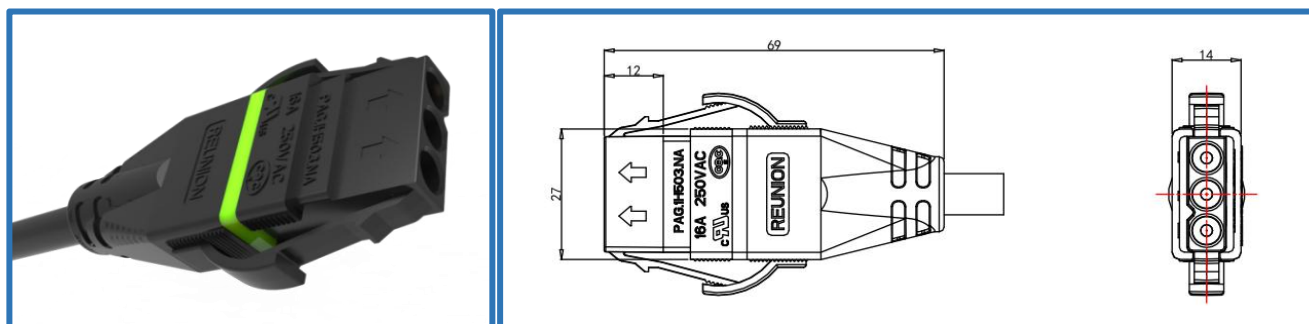
PBG.1H503.NA : Plug , Screw Fixing



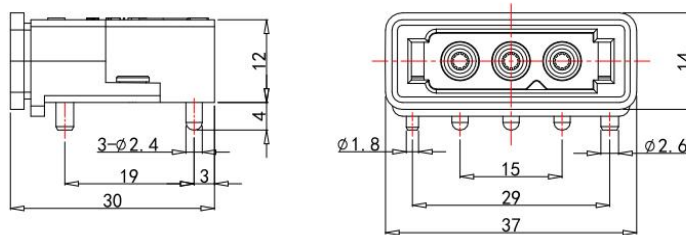
SAG.1H503 : Socket-PCB



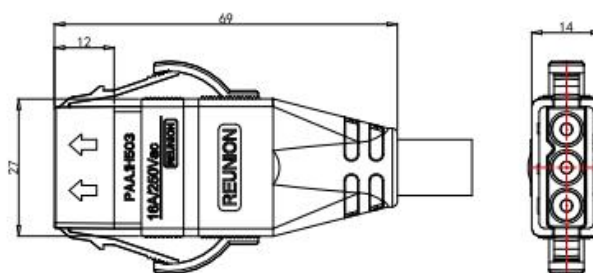
PAG.1H503.NA : Plug with Cable



SAA.1H503 - Socket-PCB



PAA.1H503 : Plug with Cable

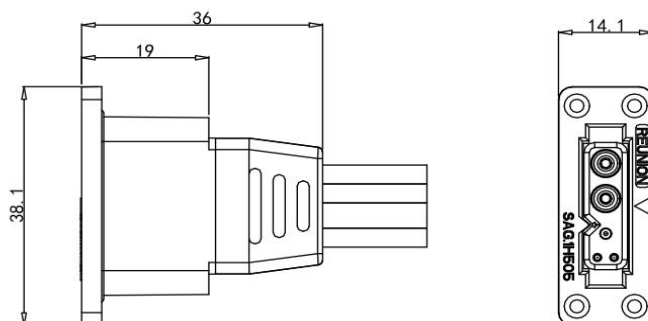


3Pins Contacts Configuration

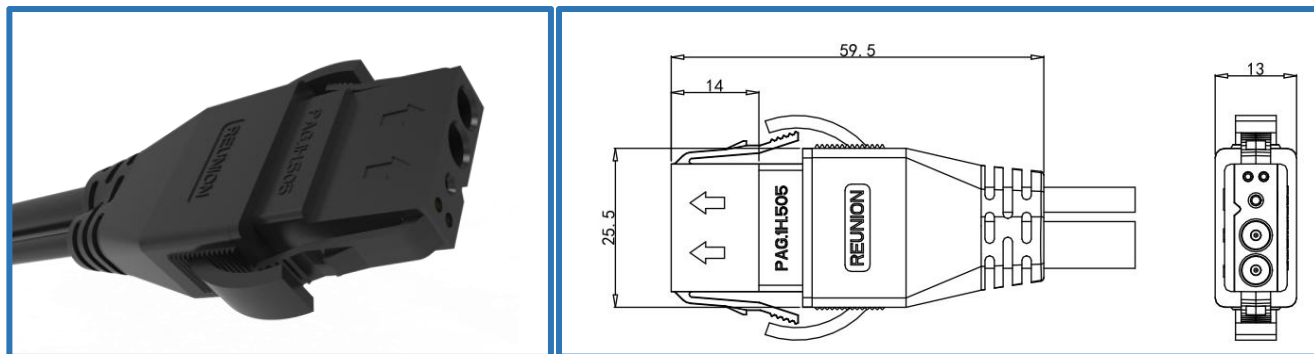
Plns	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
3	2.4	250	30	3	>1000	>500	IP50	-40~105°C

3+2Pins

SAG.1H505.PL : Socket with cable



PAG.1H505.PA : Plug with cable

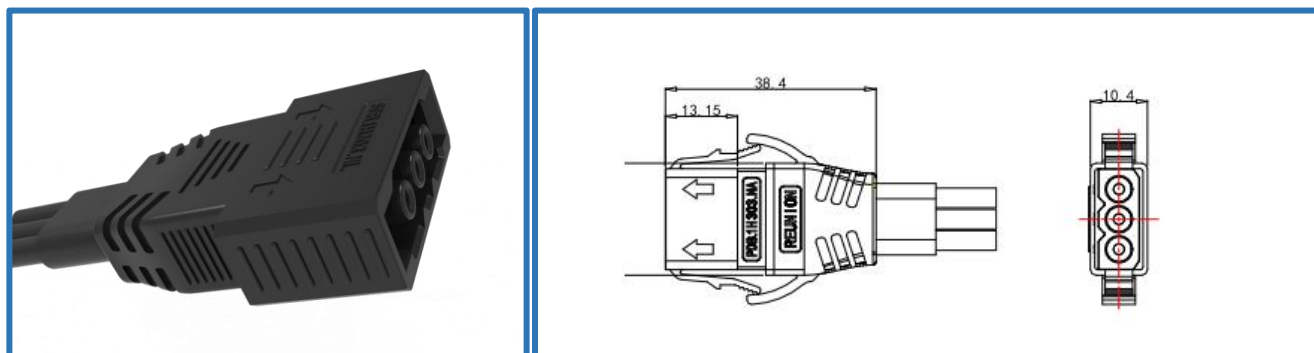


3+2Pins Contacts Configuration

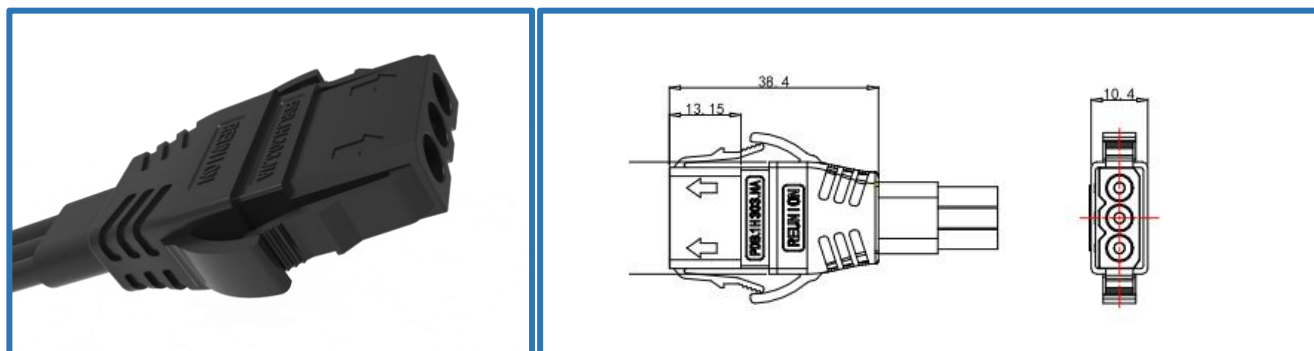
Pins	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
2	1.6	250	115	4	> 1000	> 500	IP50	-40~105°C
3	0.9	5	24	6				

3Pins Mini (250V20A)

SDB.1H303.NL : Socket with cable



PDB.1H303.NA : Plug with cable

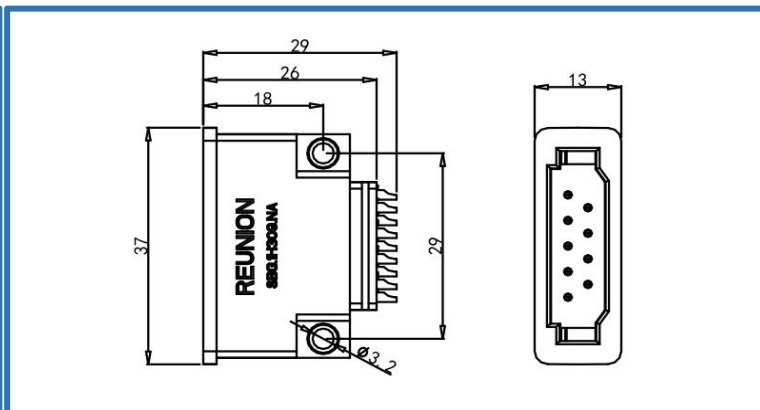
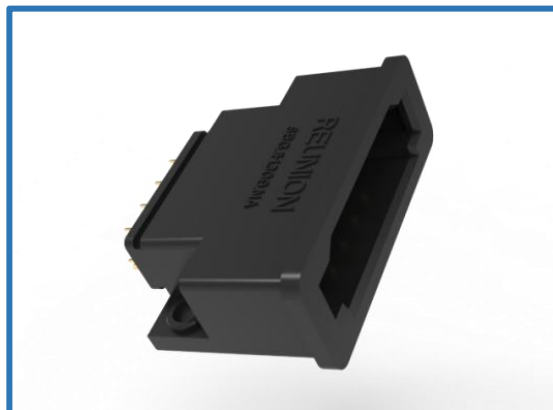


3Pins Contacts Configuration

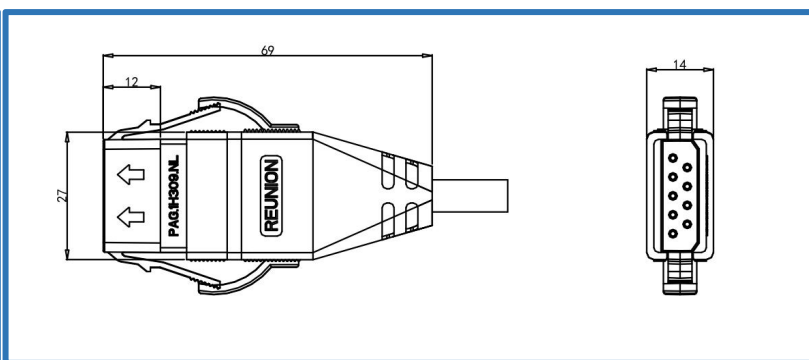
Pins	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
3	2.0	250	20	3	>1000	>500	IP50	-40~105°C

9Pins

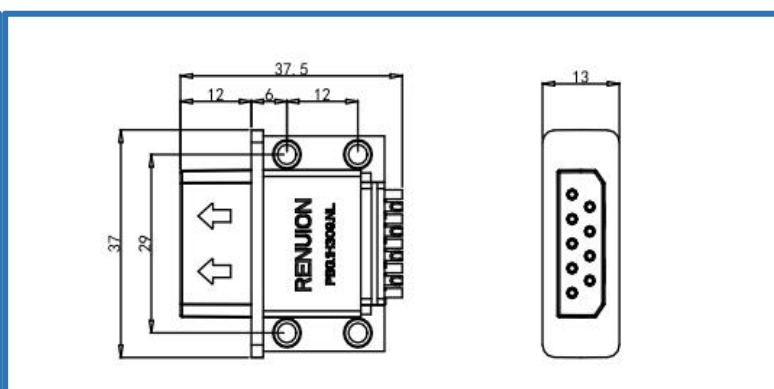
SBG.1H309.NA : Socket-Signal



PAG.1H309.NL : Plug with Cable-Signal



PBG.1H309.NL : Plug-Signal

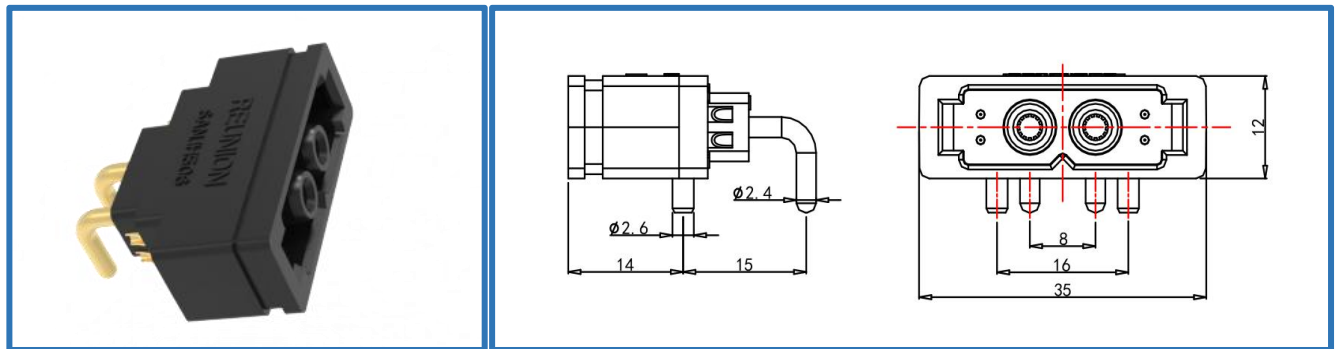


9Pins Contacts Configuration

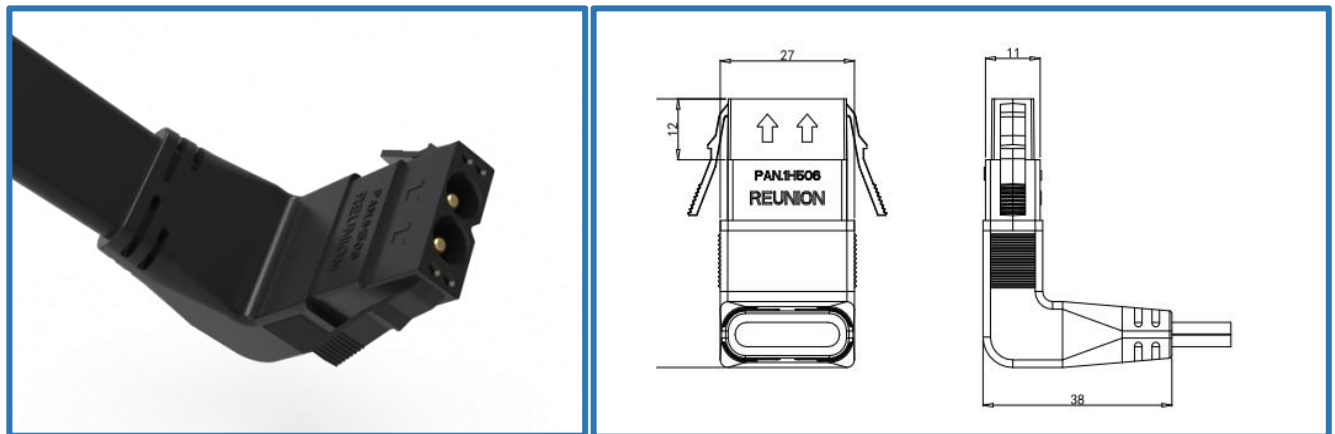
Plns	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
9	1.0	250	5	7	>1000	>500	IP50	-40~105°C

2+4 Series

SAN.1H506 : Socket-PCB



PAN.1H506 : Plug with Cable

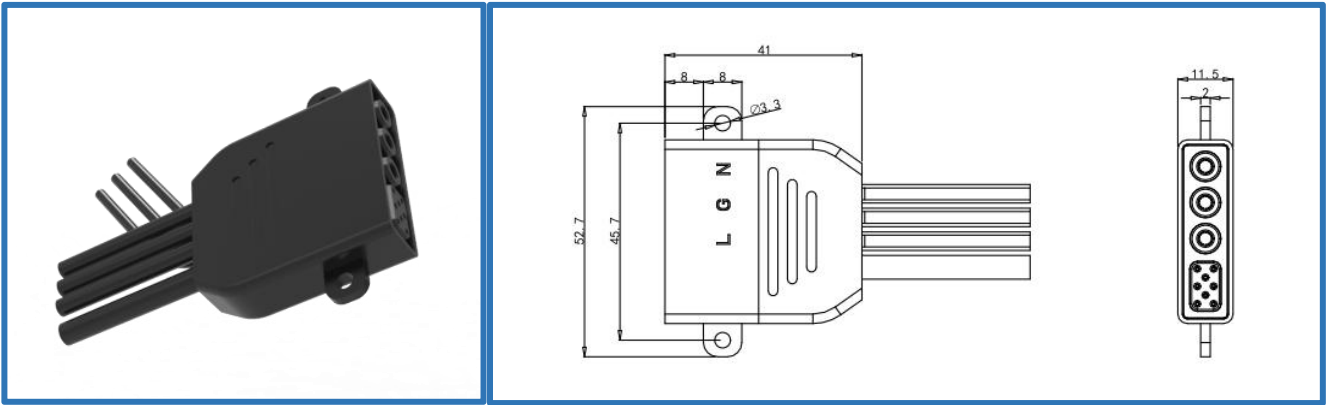


2+4Pins Contacts Configuration

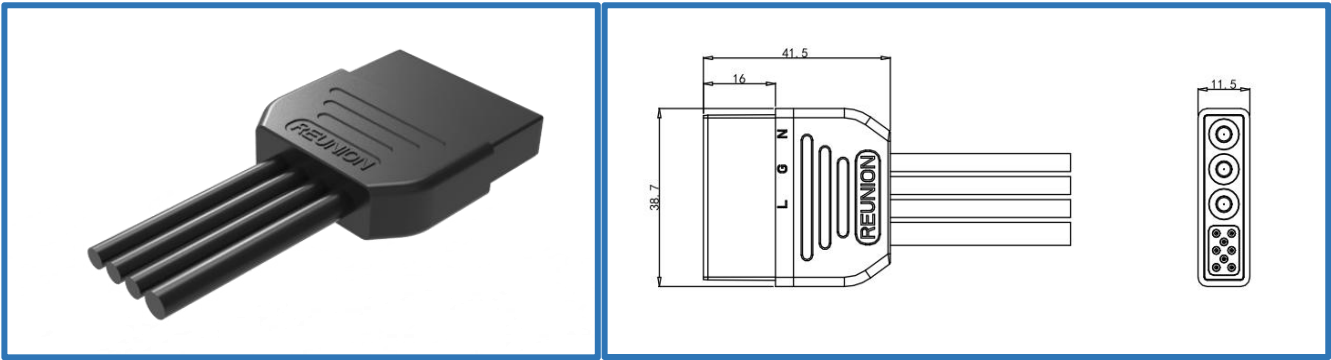
Plns	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
2-power	2.4	250	30	2	>1000	>500	IP50	-40~105°C
4-signal	1.0	250	5	7				

3+8Pins

SCG.1H411: Socket



PCG.1H411: Plug



3+8Pins Contacts Configuration

Plns	Contacts OD(mm)	Voltage(Vac)	Current(A)	Contact resistance(mΩ)	Insulation resistance(MΩ)	Mating(times)	Protection Class	Temperature
3-power	2.4	250	30	3	>1000	>500	IP50	-40~105℃
8-signal	1.0	250	5	7				