INTE-AUTO
PRODUCT CATALOGUE
Waterproof Connectors

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INTE-AUTO Company Introduction

INTE-AUTO, registered in 2013, is a company based in Shenzhen China engaged in the design, research, and manufacture of precision push pull connectors, waterproof connectors, coaxial connectors, D-tap connec tors, watertight aviation connector, custom cable assemblies and over molded cable assembly.

Our mission goes beyond supplying connectors. The ultimate goal is to consistently provide top-notch, secure, cost-effective, durable products, one-stop shop connectors and customized service for our esteemed clients worldwide.

Our high-quality wateproof connectors feature IP68 degree, and are designed to endure the most extreme environments. These connectors are widely used in a large variety of applica tions such as for medical, testing, measurement, military, sensor, NDT, and other machines and equipment.

INTE-AUTO has over 10,000 products, all of which are manufactured under the strictest quality standards. Our connectors are fully compatible with the push pull connectors of other top brands, and commit to the Quality Management System.

Our facilities span over 5000 square meters, containing 23 production lines with 25 CNC working machines. Our mechanized work system improves efficiency, guarantees high quality, and controls production costs to comply with military and medical standards.

INTE-AUTO is RoHS, CE, ISO9001, and TUV certified. We are actively shaping the future of our company with creativity, imagination, and innovation to continually exceed the expectations of all our valued customers around the world.

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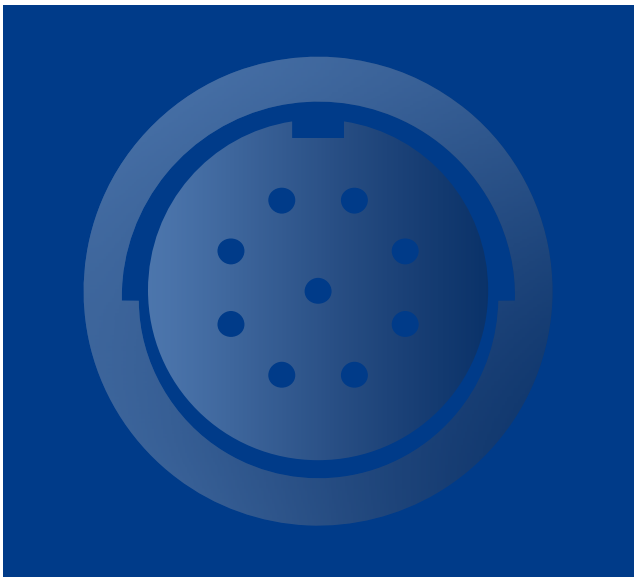
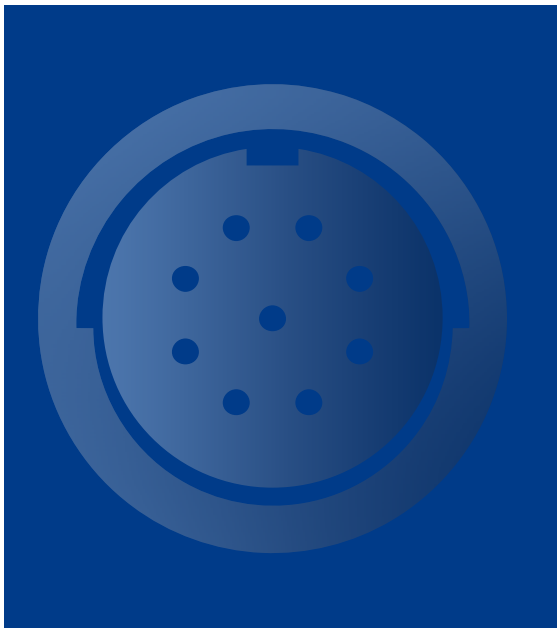
Applications



Applications



IP68 Waterproof Connectors Description

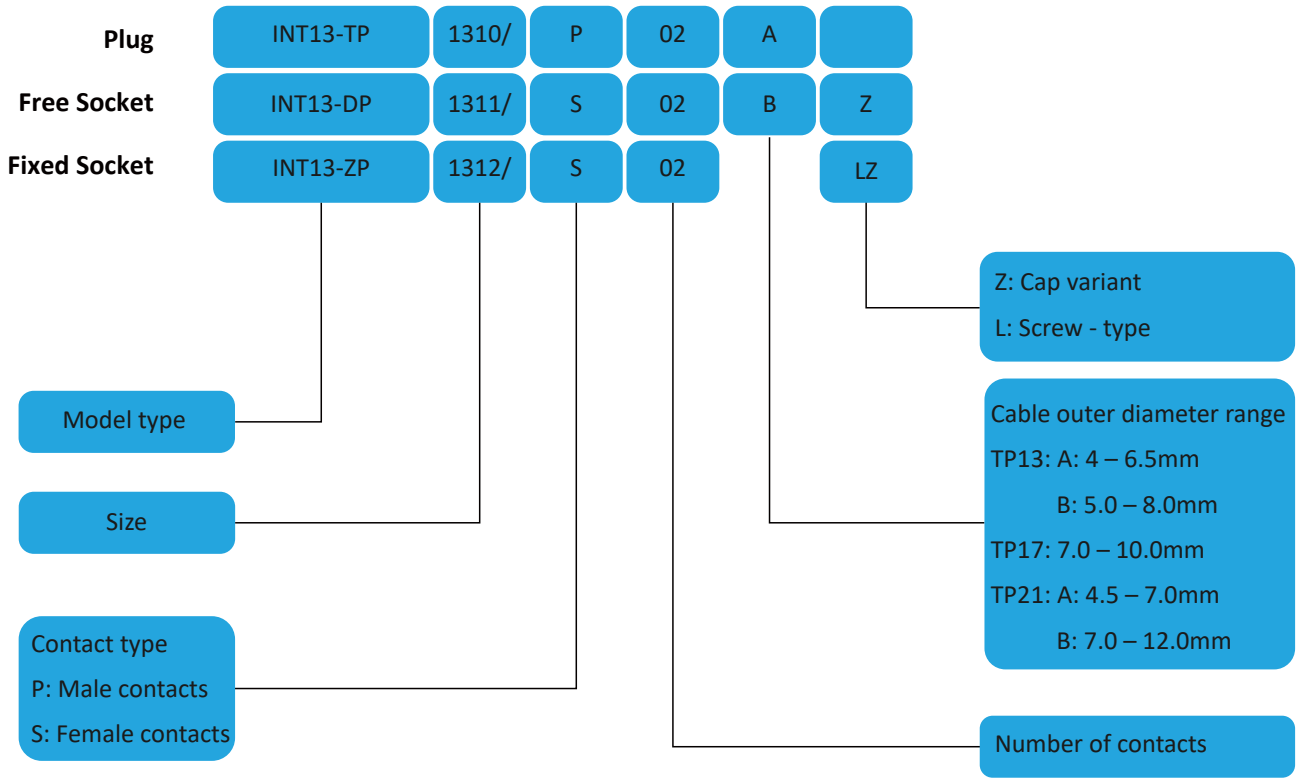
INT13-TP Series Plastic Threaded Waterproof Connectors: a range of reliable, IP68-rated connectors designed for demanding environments. With options like the SP13 SP17 SP21 series, these connectors offer secure, threaded coupling for both cable-to-cable and cable-to-panel connections. Featuring durable plastic out shell with brass contacts and gold plating, they ensure longevity and optimal conductivity.

INT13-TP Series connectors are ideal for applications ranging from outdoor LED lighting, LED panel screens, outdoor security cameras, solar energy inverter, medical device, communications, control systems, measuring equipment and testing equipment, for data and power. These connectors provide watertight connections for various indoor and outdoor scenarios, guaranteeing reliable performance in harsh conditions.

Material and Specification

Mating	**Threaded coupling**
Outshell Material	**Nylon66 fire resistance: V0**
Insert Material	**PPS, max temperature 260°**
Contact Material	**Brass with gold plating**
Wiring Method	**Soldering**
Cable Outer Diameter Range	**TP13: A: 4 – 6.5mm B: 5.0 – 8.0mm TP17: 7.0 – 10.0mm TP21: A: 4.5 – 7.0mm B: 7.0- 12.0mm**
IP Rating	**IP68**
Mating Cycle	**≥500 times**
Temperature Range	**-25 °C ~ +85 °C**
Insulation Resistance	**2000 MΩ**

Part Numbering Systems



INT13-TP1310/P02A = TP13 series 2 Pins straight plug, male solder contacts, cable outer diameter range A: 4 – 6.5mm

INT13-DP1311/S02BZ = TP13 series 2 Pins in-line cable receptacle, female solder contacts, cable outer diameter range B: 7.0 – 12.0mm, with cap

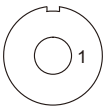
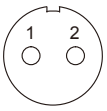
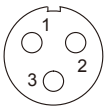
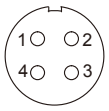
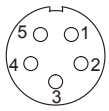
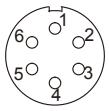
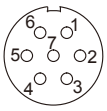
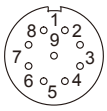
INT13-ZP1312/S02LZ = TP13 series 2 Pins panel mount receptacle, female solder contacts, screw-type, with cap

Note: To order a model with cap, a letter "Z" is in the variant position.
To order a screw-type for pins, a letter “L” is in the variant position.

INT13 - TP13 DP13 ZP13 Series Solder Type

- INT13 - TP13 DP13 ZP13 Series Technical Characteristics
- INT13 - TP13 Technical Characteristics
- INT13 - DP13 Technical Characteristics
- INT13 - ZP13 Technical Characteristicstt

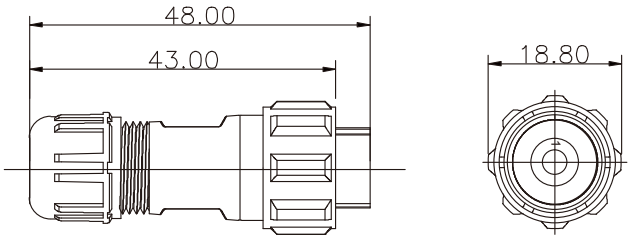
INT13-TP13 DP13 ZP13 Series Technical

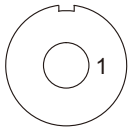
Number of contacts	1	2	3	4	5	6	7	9
Male contact face view								
Rated current(A)	30A	16A	16A	5A	5A	5A	5A	3A
Contact diameter	3.0 * 1	1.6 * 2	1.6 * 3	1.0 * 4	1.0 * 5	1.0 * 6	1.0 * 7	0.7 * 9
Contact	Solder / Crimp							
Rated voltage (AC. V)	500	250	250	200	180	125	125	125
Test voltage (AC. V)1min	1500	1500	1500	1500	1000	1000	1000	1000
Contact resistance mΩ	0.5	2	2	5	5	5	5	10
Wire size for screw crimp m^2/ AWG	≤4/11	≤2/14	≤2/14	≤0.785/18	≤0.785/18	≤0.785/18	≤0.785/18	≤0.785/18

INT13 - TP13 Technical Characteristics

Part Number: INT13-TP1310/P01 TP13 Series Straight Plug, 1 Pin

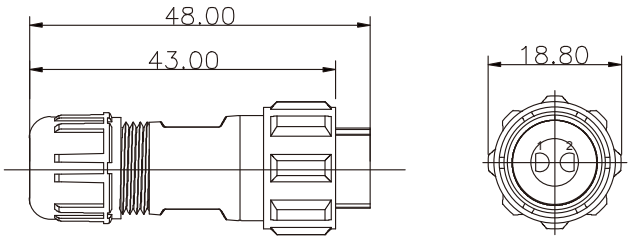
Pin Array and Specification

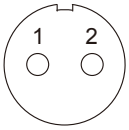


Number of contacts	1
Male contact face view	
Rated current (A)	30A
Contact diameter	3.0 * 1
Rated voltage (AC. V)	500
Test voltage (AC. V) 1 min	1500
Contact resistance	0.5MΩ
Wire size solder mm² /AWG	≤4/11

Part Number: INT13-TP1310/P02 TP13 Series Straight Plug, 2 Pins

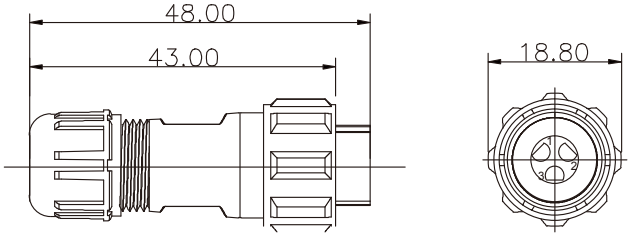
Pin Array and Specification

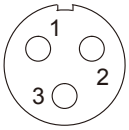


Number of contacts	2
Male contact face view	
Rated current (A)	16A
Contact diameter	1.6 * 2
Rated voltage (AC. V)	250
Test voltage (AC. V) 1 min	1500
Contact resistance	2MΩ
Wire size solder mm² /AWG	≤2/14

Part Number: INT13-TP1310/P03 TP13 Series Straight Plug, 3 Pins

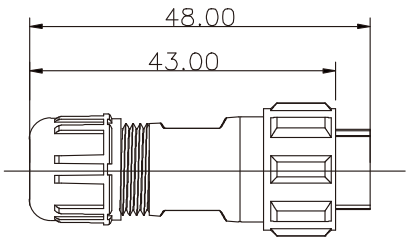
Pin Array and Specification

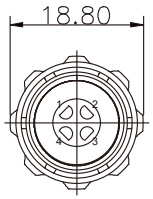


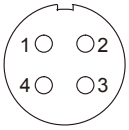
Number of contacts	3
Male contact face view	
Rated current (A)	16A
Contact diameter	1.6 * 3
Rated voltage (AC. V)	250
Test voltage (AC. V) 1 min	1500
Contact resistance	2MΩ
Wire size solder mm² /AWG	≤0.785/18

Part Number: INT13-TP1310/P04 TP13 Series Straight Plug, 4 Pins

Pin Array and Specification

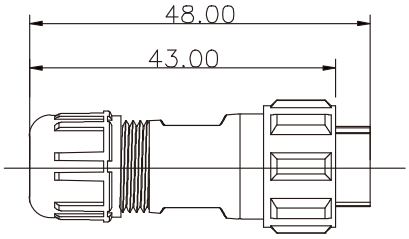


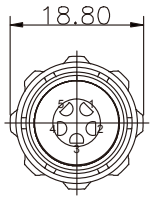


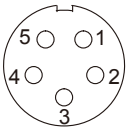
Number of contacts	4
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 4
Rated voltage (AC. V)	200
Test voltage (AC. V) 1 min	1500
Contact resistance	5MΩ
Wire size solder mm² /AWG	≤4/11

Part Number: INT13-TP1310/P05 TP13 Series Straight Plug, 5 Pins

Pin Array and Specification

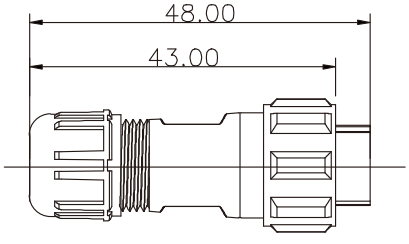


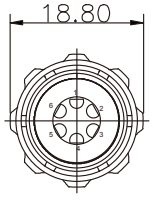


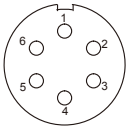
Number of contacts	5
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 5
Rated voltage (AC. V)	180
Test voltage (AC. V) 1 min	1000
Contact resistance	5MΩ
Wire size solder mm² /AWG	0.785/18

Part Number: INT13-TP1310/P06 TP13 Series Straight Plug, 6 Pins

Pin Array and Specification

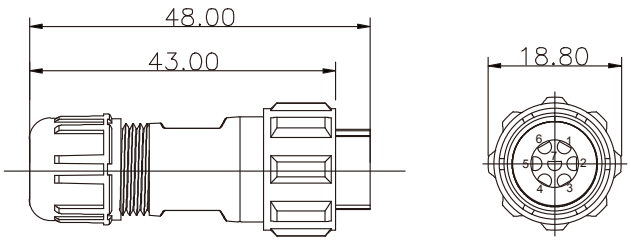


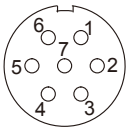


Number of contacts	6
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 6
Rated voltage (AC. V)	125
Test voltage (AC. V) 1 min	1000
Contact resistance	5MΩ
Wire size solder mm² /AWG	≤0.785/18

Part Number: INT13-TP1310/P07 TP13 Series Straight Plug, 7 Pins

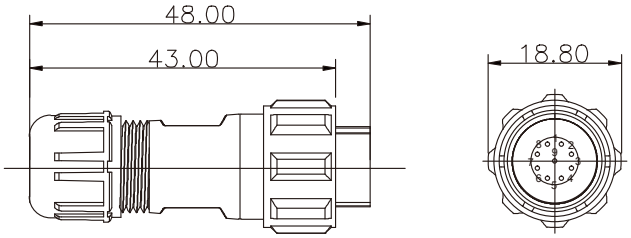
Pin Array and Specification

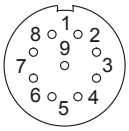


Number of contacts	7
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 7
Rated voltage (AC. V)	125
Test voltage (AC. V) 1 min	1000
Contact resistance	5MΩ
Wire size solder mm² /AWG	≤0.785/18

Part Number: INT13-TP1310/P09 TP13 Series Straight Plug, 9 Pins

Pin Array and Specification

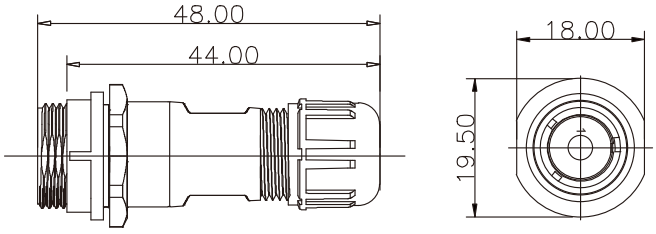


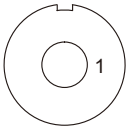
Number of contacts	9
Male contact face view	
Rated current (A)	3A
Contact diameter	0.7 * 9
Rated voltage (AC. V)	125
Test voltage (AC. V) 1 min	1000
Contact resistance	10MΩ
Wire size solder mm² /AWG	≤0.785/18

INT13 - DP13 Technical Characteristics

Part Number: INT13-DP1311/S01 DP13 Series In-Line Cable Connector, 1 Pin

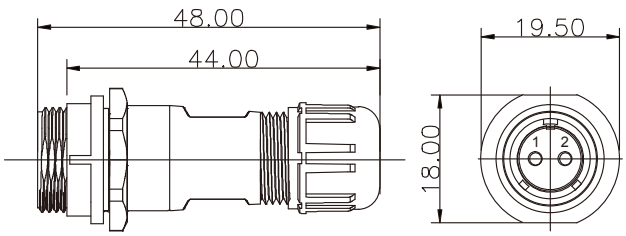
Pin Array and Specification

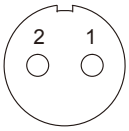


Number of contacts	1
Male contact face view	
Rated current (A)	30A
Contact diameter	3.0 * 1
Rated voltage (AC. V)	500
Test voltage (AC. V) 1 min	1500
Contact resistance	0.5MΩ
Wire size solder mm² /AWG	≤4/11

Part Number: INT13-DP1311/S02 DP13 Series In-Line Cable Connector, 2 Pins

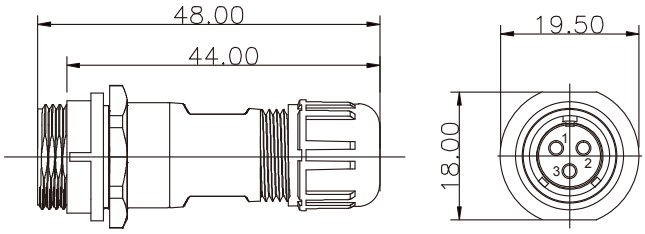
Pin Array and Specification

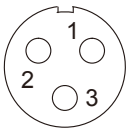


Number of contacts	2
Male contact face view	
Rated current (A)	16A
Contact diameter	1.6 * 2
Rated voltage (AC. V)	250
Test voltage (AC. V) 1 min	1500
Contact resistance	2MΩ
Wire size solder mm² /AWG	≤2/14

Part Number: INT13-DP1311/S03 DP13 Series In-Line Cable Connector, 3 Pins

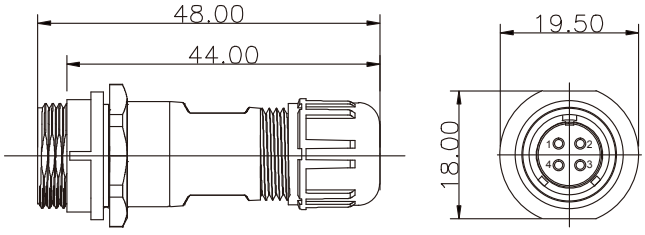
Pin Array and Specification

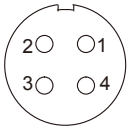


Number of contacts	3
Male contact face view	
Rated current (A)	16A
Contact diameter	1.6 * 3
Rated voltage (AC. V)	250
Test voltage (AC. V) 1 min	1500
Contact resistance	2MΩ
Wire size solder mm² /AWG	≤2/14

Part Number: INT13-DP1311/S04 DP13 Series In-Line Cable Connector, 4 Pins

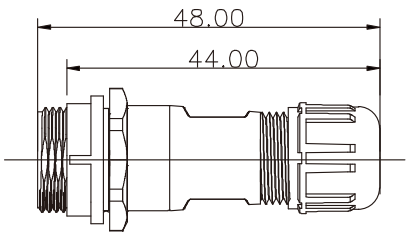
Pin Array and Specification

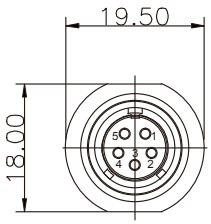


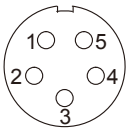
Number of contacts	4
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 4
Rated voltage (AC. V)	200
Test voltage (AC. V) 1 min	1500
Contact resistance	5MΩ
Wire size solder mm² /AWG	≤0.785/18

Part Number: INT13-DP1311/S05 DP13 Series In-Line Cable Connector, 5 Pins

Pin Array and Specification

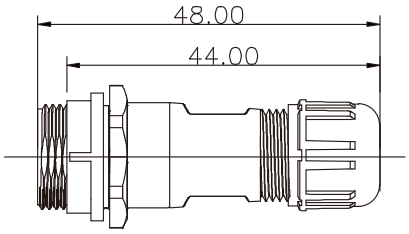


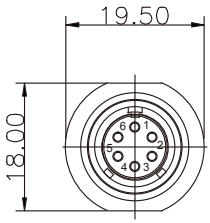


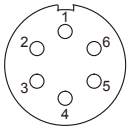
Number of contacts	5
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 5
Rated voltage (AC. V)	180
Test voltage (AC. V) 1 min	1000
Contact resistance	5MΩ
Wire size solder mm² /AWG	≤0.785/18

Part Number: INT13-DP1311/S06 DP13 Series In-Line Cable Connector, 6 Pins

Pin Array and Specification

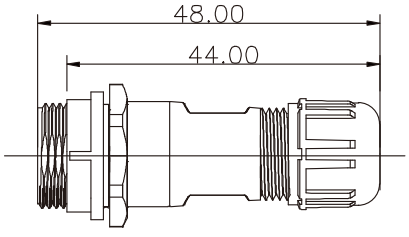


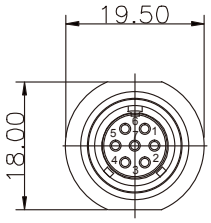


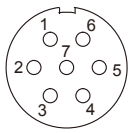
Number of contacts	6
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 6
Rated voltage (AC. V)	125
Test voltage (AC. V) 1 min	1000
Contact resistance	5MΩ
Wire size solder mm² /AWG	≤0.785/18

Part Number: INT13-DP1311/S07 DP13 Series In-Line Cable Connector, 7 Pins

Pin Array and Specification

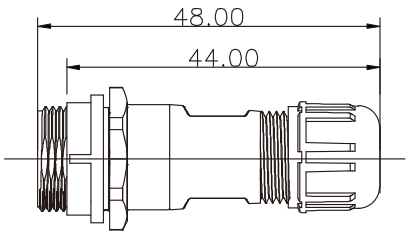


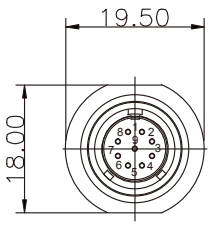


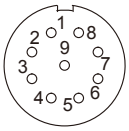
Number of contacts	7
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 7
Rated voltage (AC. V)	125
Test voltage (AC. V) 1 min	1000
Contact resistance	5MΩ
Wire size solder mm² /AWG	≤0.785/18

Part Number: INT13-DP1311/S09 DP13 Series In-Line Cable Connector, 9 Pins

Pin Array and Specification



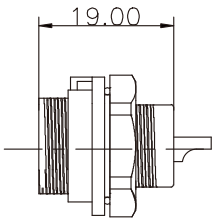


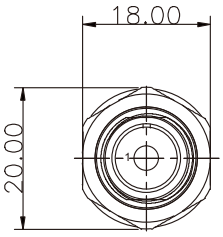
Number of contacts	9
Male contact face view	
Rated current (A)	3A
Contact diameter	0.7 * 9
Rated voltage (AC. V)	125
Test voltage (AC. V) 1 min	1000
Contact resistance	10MΩ
Wire size solder mm² /AWG	≤0.785/18

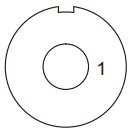
INT13 - ZP13 Technical Characteristics

Part Number: INT13-ZP1312/S01 ZP13 Series Rear Mount Receptacle, 1 Pin

Pin Array and Specification

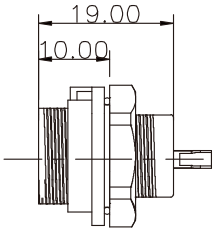


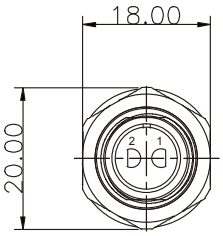


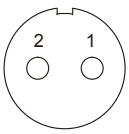
Number of contacts	1
Male contact face view	
Rated current (A)	30A
Contact diameter	3.0 * 1
Rated voltage (AC. V)	500
Test voltage (AC. V) 1 min	1500
Contact resistance	0.5MΩ
Wire size solder mm² /AWG	≤4/11

Part Number: INT13-ZP1312/S02 ZP13 Series Rear Mount Receptacle, 2 Pins

Pin Array and Specification

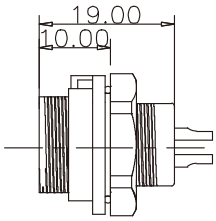


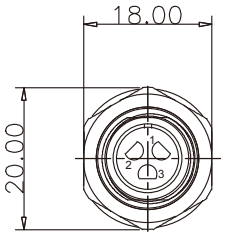


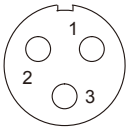
Number of contacts	2
Male contact face view	
Rated current (A)	16A
Contact diameter	1.6 * 2
Rated voltage (AC. V)	250
Test voltage (AC. V) 1 min	1500
Contact resistance	2MΩ
Wire size solder mm² /AWG	≤2/14

Part Number: INT13-ZP1312/S03 ZP13 Series Rear Mount Receptacle, 3 Pins

Pin Array and Specification

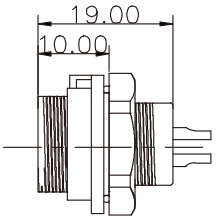


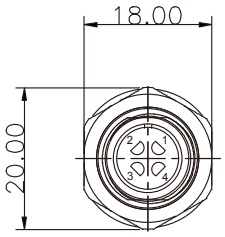


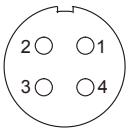
Number of contacts	3
Male contact face view	
Rated current (A)	16A
Contact diameter	1.6 * 3
Rated voltage (AC. V)	250
Test voltage (AC. V) 1 min	1500
Contact resistance	2MΩ
Wire size solder mm² /AWG	≤2/14

Part Number: INT13-ZP1312/S04 ZP13 Series Rear Mount Receptacle, 4 Pins

Pin Array and Specification

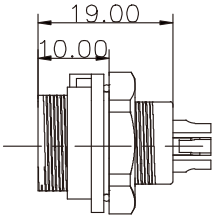


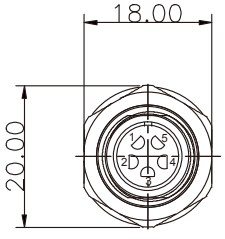


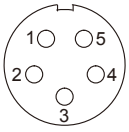
Number of contacts	4
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 4
Rated voltage (AC. V)	200
Test voltage (AC. V) 1 min	1500
Contact resistance	5MΩ
Wire size solder mm² /AWG	≤0.785/18

Part Number: INT13-ZP1312/S05 ZP13 Series Rear Mount Receptacle, 5 Pins

Pin Array and Specification

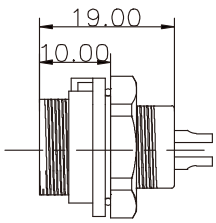


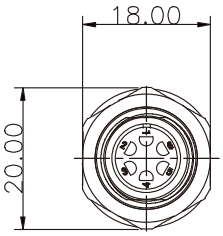


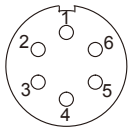
Number of contacts	5
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 5
Rated voltage (AC. V)	180
Test voltage (AC. V) 1 min	1000
Contact resistance	5MΩ
Wire size solder mm² /AWG	≤0.785/18

Part Number: INT13-ZP1312/S06 ZP13 Series Rear Mount Receptacle, 6 Pins

Pin Array and Specification

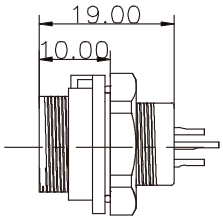


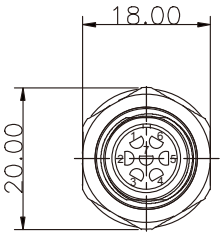


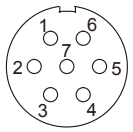
Number of contacts	6
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 6
Rated voltage (AC. V)	125
Test voltage (AC. V) 1 min	1000
Contact resistance	5MΩ
Wire size solder mm² /AWG	≤0.785/18

Part Number: INT13-ZP1312/S07 ZP13 Series Rear Mount Receptacle, 7 Pins

Pin Array and Specification

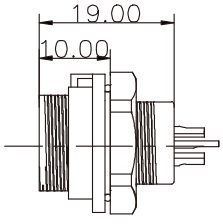


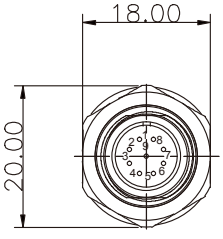


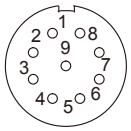
Number of contacts	7
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 7
Rated voltage (AC. V)	125
Test voltage (AC. V) 1 min	1000
Contact resistance	5MΩ
Wire size solder mm² /AWG	≤0.785/18

Part Number: INT13-ZP1312/S09 ZP13 Series Rear Mount Receptacle, 9 Pins

Pin Array and Specification





Number of contacts	9
Male contact face view	
Rated current (A)	3A
Contact diameter	0.7 * 9
Rated voltage (AC. V)	125
Test voltage (AC. V) 1 min	1000
Contact resistance	10MΩ
Wire size solder mm² /AWG	≤0.785/18

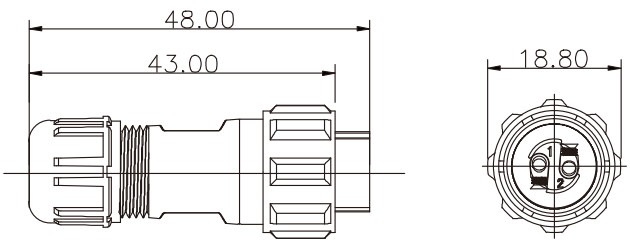
INT13 - TP13 DP13 ZP13 Series Screw Type

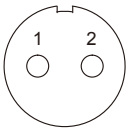
- INT13 - TP13 Technical Characteristics
- INT13 - DP13 Technical Characteristics
- INT13 - ZP13 Technical Characteristics

INT13 - TP13 Technical Characteristics

Part Number: INT13-TP1310/P02L TP13 Series Straight Plug, 2 Pins

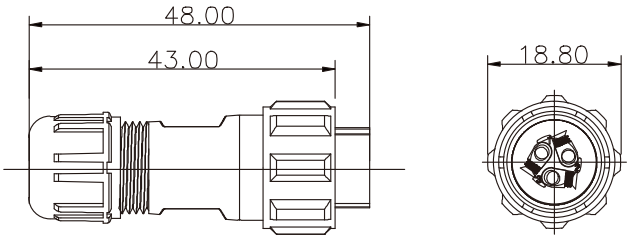
Pin Array and Specification

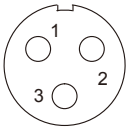


Number of contacts	2
Male contact face view	
Rated current (A)	16A
Contact diameter	1.6 * 2
Rated voltage (AC. V)	250
Test voltage (AC. V) 1 min	1500
Contact resistance	2MΩ
Wire size solder mm² /AWG	≤2/14

Part Number: INT13-TP1310/P03L TP13 Series Straight Plug, 3 Pins

Pin Array and Specification

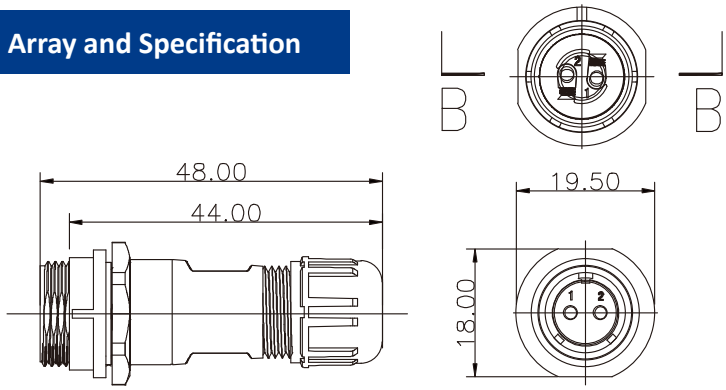


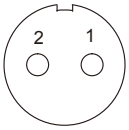
Number of contacts	3
Male contact face view	
Rated current (A)	16A
Contact diameter	1.6 * 3
Rated voltage (AC. V)	250
Test voltage (AC. V) 1 min	1500
Contact resistance	2MΩ
Wire size solder mm² /AWG	≤2/14

INT13 - DP13 Technical Characteristics

Part Number: INT13-DP1311/S02L DP13 Series In-Line Cable Connector, 2 Pins

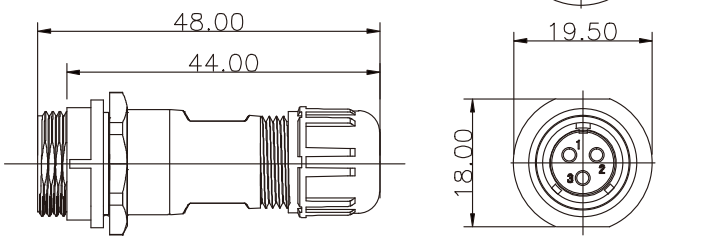
Pin Array and Specification

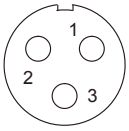


Number of contacts	2
Male contact face view	
Rated current (A)	16A
Contact diameter	1.6 * 2
Rated voltage (AC. V)	250
Test voltage (AC. V) 1 min	1500
Contact resistance	2MΩ
Wire size solder mm² /AWG	≤2/14

Part Number: INT13-DP1311/S03L DP13 Series In-Line Cable Connector, 3 Pins

Pin Array and Specification

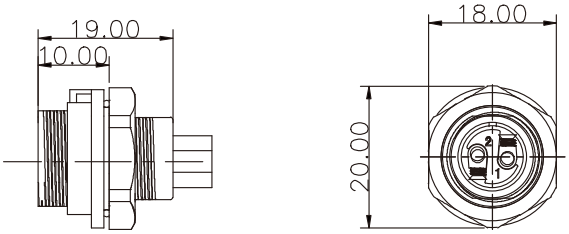


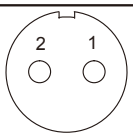
Number of contacts	3
Male contact face view	
Rated current (A)	16A
Contact diameter	1.6 * 3
Rated voltage (AC. V)	250
Test voltage (AC. V) 1 min	1500
Contact resistance	2MΩ
Wire size solder mm² /AWG	≤2/14

INT13 - ZP13 Technical Characteristics

Part Number: INT13-ZP1312/S02L ZP13 Series Rear Mount Receptacle, 2 Pins

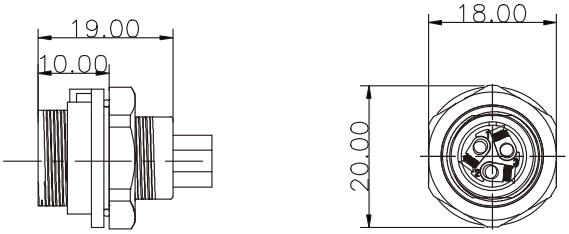
Pin Array and Specification

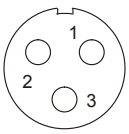


Number of contacts	2
Male contact face view	
Rated current (A)	16A
Contact diameter	1.6 * 2
Rated voltage (AC. V)	250
Test voltage (AC. V) 1 min	1500
Contact resistance	2MΩ
Wire size solder mm² /AWG	≤2/14

Part Number: INT13-ZP1312/S03L ZP13 Series Rear Mount Receptacle, 3 Pins

Pin Array and Specification

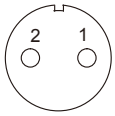
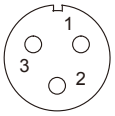
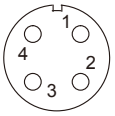
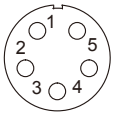
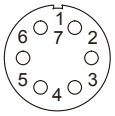
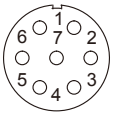
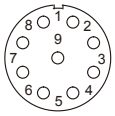


Number of contacts	3
Male contact face view	
Rated current (A)	16A
Contact diameter	1.6 * 3
Rated voltage (AC. V)	250
Test voltage (AC. V) 1 min	1500
Contact resistance	2MΩ
Wire size solder mm² /AWG	≤2/14

INT13 - TP17 DP17 ZP17 FP17 Series Solder Type

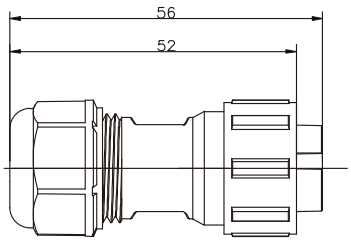
- INT13 - TP17 DP17 ZP17 FP17 Series Technical Characteristics
- INT13 - TP17 Technical Characteristics
- INT13 - DP17 Technical Characteristics
- INT13 - ZP17 Technical Characteristics
- INT13 - FP17 Technical Characteristics

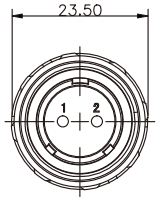
INT13-TP17 DP17 ZP17 FP17 Series Technical Characteristics

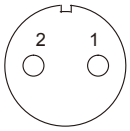
Number of contacts	2	3	4	5	6	7	9
Male contact face view							
Rated current(A)	10A	10A	5A	5A	5A	5A	5A
Contact diameter	1.5 * 2	1.5 * 3	1.0 * 4	1.0 * 5	1.0 * 6	1.0 * 7	1.0 * 9
Contact	Solder / Crimp				Solder		
Rated voltage (AC. V)	500	500	500	500	400	400	400
Test voltage (AC. V)1min	1500	1500	1500	1500	1500	1500	1500
Contact resistance mΩ	2.5	2.5	5	5	5	5	5
Wire size for screw crimp m^2/ AWG	≤2/14	≤2/14	<0.785/18	<0.785/18	<0.785/18	<0.785/18	<0.785/18

Part Number: INT13-TP1710/P02 TP17 Series Straight Plug, 2 Pins

Pin Array and Specification

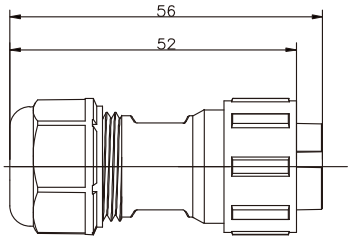


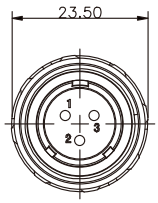


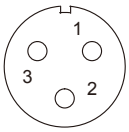
Number of contacts	2
Male contact face view	
Rated current (A)	10A
Contact diameter	1.5 * 2
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-TP1710/P03 TP17 Series Straight Plug, 3 Pins

Pin Array and Specification

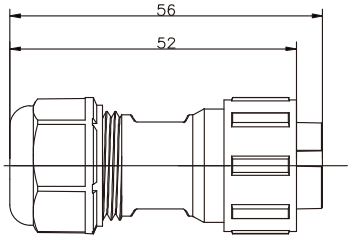


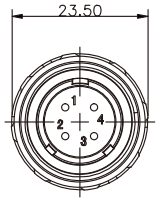


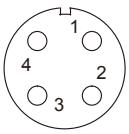
Number of contacts	3
Male contact face view	
Rated current (A)	10A
Contact diameter	1.5 * 3
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-TP1710/P04 TP17 Series Straight Plug, 4 Pins

Pin Array and Specification

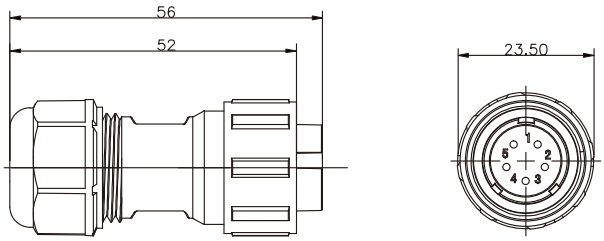


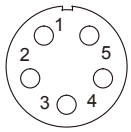


Number of contacts	4
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 4
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-TP1710/P05 TP17 Series Straight Plug, 5 Pins

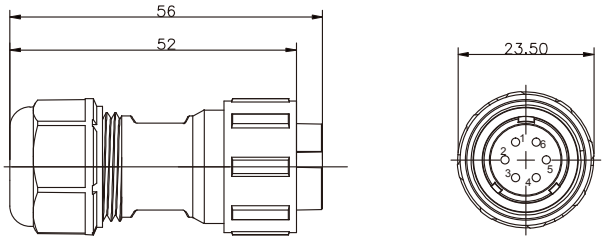
Pin Array and Specification

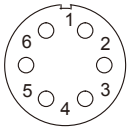


Number of contacts	5
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-TP1710/P06 TP17 Series Straight Plug, 6 Pins

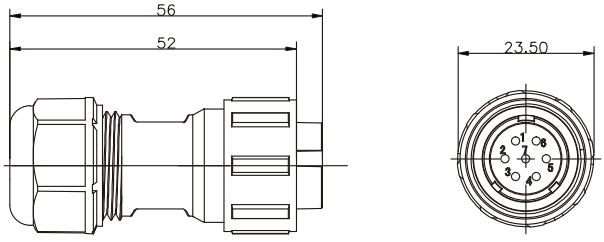
Pin Array and Specification

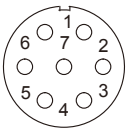


Number of contacts	6
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 6
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-TP1710/P07 TP17 Series Straight Plug, 7 Pins

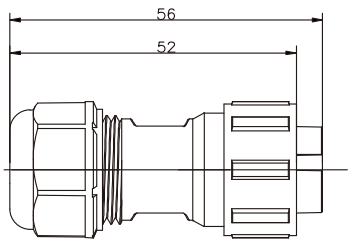
Pin Array and Specification

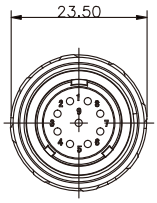


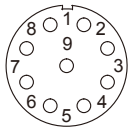
Number of contacts	7
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 7
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-TP1710/P09 TP17 Series Straight Plug, 9 Pins

Pin Array and Specification



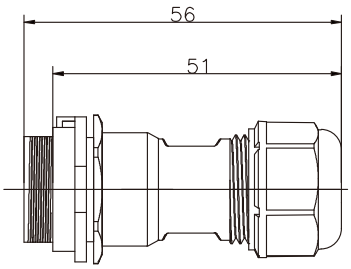


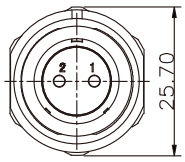
Number of contacts	9
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 9
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

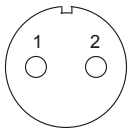
INT13 - DP17 Technical Characteristics

Part Number: INT13-DP1711/S02 DP17 Series In-Line Cable Connector, 2 Pins

Pin Array and Specification

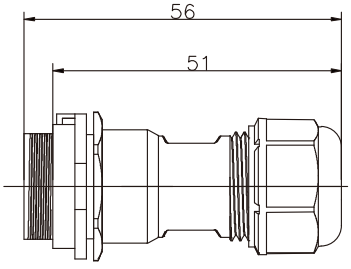


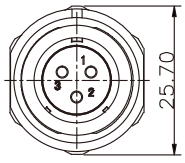


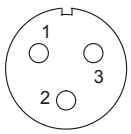
Number of contacts	2
Male contact face view	
Rated current (A)	10A
Contact diameter	1.5 * 2
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-DP1711/S03 DP17 Series In-Line Cable Connector, 3 Pins

Pin Array and Specification

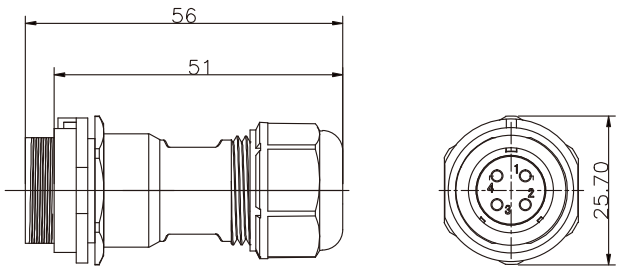


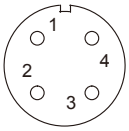


Number of contacts	3
Male contact face view	
Rated current (A)	10A
Contact diameter	1.5 * 3
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-DP1711/S04 DP17 Series In-Line Cable Connector, 4 Pins

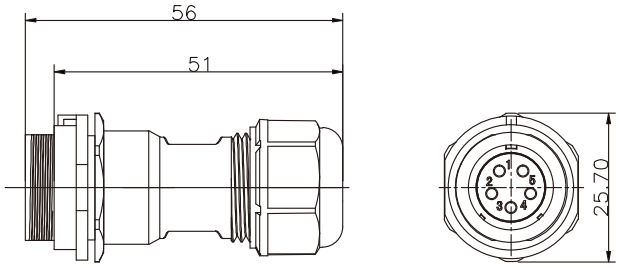
Pin Array and Specification

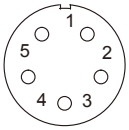


Number of contacts	4
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 4
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-DP1711/S05 DP17 Series In-Line Cable Connector, 5 Pins

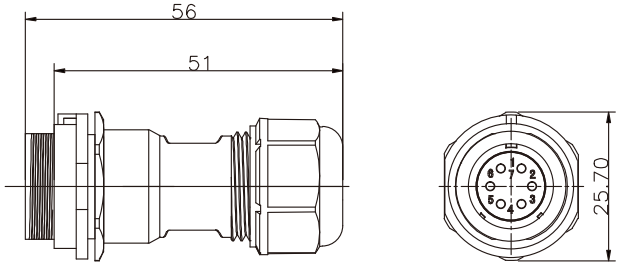
Pin Array and Specification

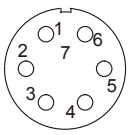


Number of contacts	5
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-DP1711/S06 DP17 Series In-Line Cable Connector, 6 Pins

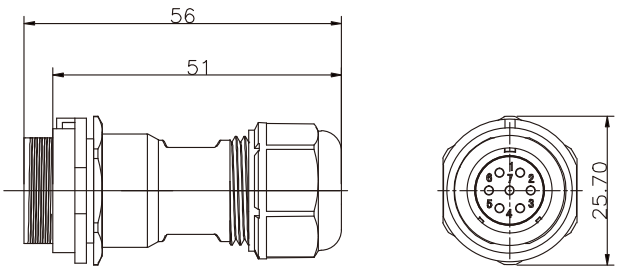
Pin Array and Specification

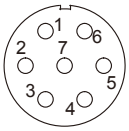


Number of contacts	6
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 6
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-DP1711/S07 DP17 Series In-Line Cable Connector, 7 Pins

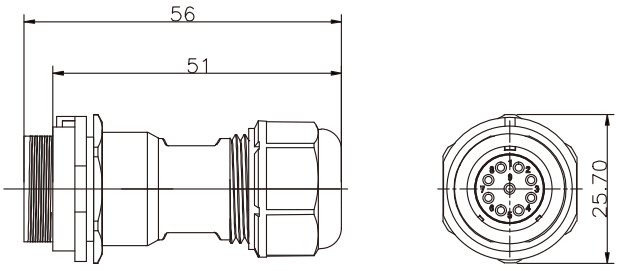
Pin Array and Specification

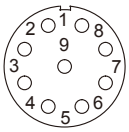


Number of contacts	7
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 7
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-DP1711/S09 DP17 Series In-Line Cable Connector, 9 Pins

Pin Array and Specification

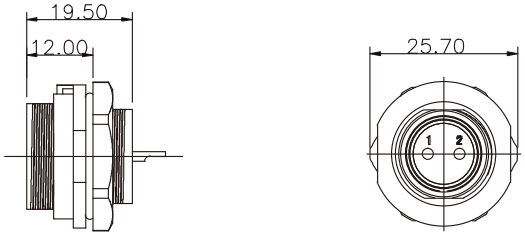


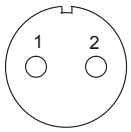
Number of contacts	9
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 9
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

INT13 - ZP17 Technical Characteristics

Part Number: INT13-ZP1712/S02 ZP17 Series Rear Mount Receptacle, 2 Pins

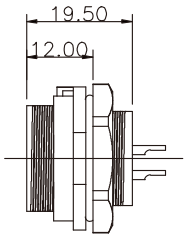
Pin Array and Specification

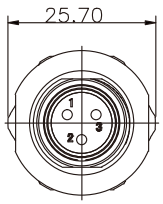


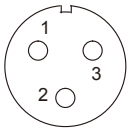
Number of contacts	2
Male contact face view	
Rated current (A)	10A
Contact diameter	1.5 * 2
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-ZP1712/S03 ZP17 Series Rear Mount Receptacle, 3 Pins

Pin Array and Specification

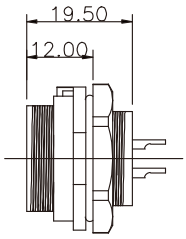


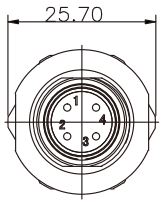


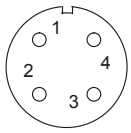
Number of contacts	3
Male contact face view	
Rated current (A)	10A
Contact diameter	1.5 * 3
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-ZP1712/S04 ZP17 Series Rear Mount Receptacle, 4 Pins

Pin Array and Specification

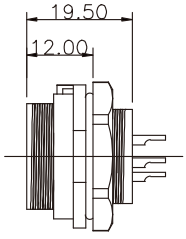


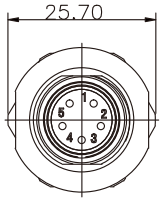


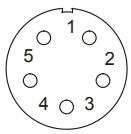
Number of contacts	4
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 4
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-ZP1712/S05 ZP17 Series Rear Mount Receptacle, 5 Pins

Pin Array and Specification

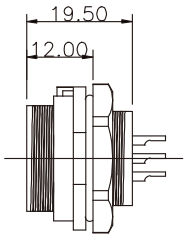


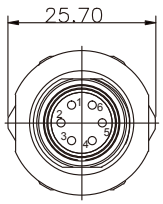


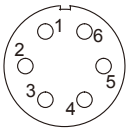
Number of contacts	5
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-ZP1712/S06 ZP17 Series Rear Mount Receptacle, 6 Pins

Pin Array and Specification

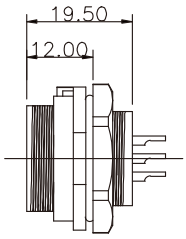


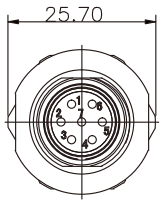


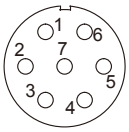
Number of contacts	6
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 6
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-ZP1712/S07 ZP17 Series Rear Mount Receptacle, 7 Pins

Pin Array and Specification

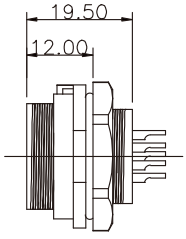


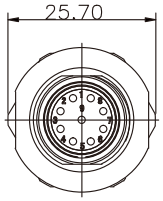


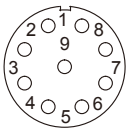
Number of contacts	7
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 7
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-ZP1712/S09 ZP17 Series Rear Mount Receptacle, 9 Pins

Pin Array and Specification

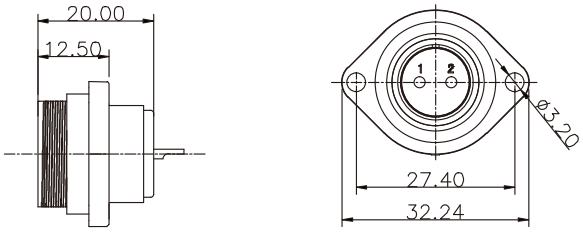


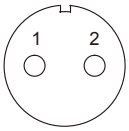


Number of contacts	9
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 9
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-FP1713/S02 FP17 Series 2-hole Flange Receptacle, 2 Pins

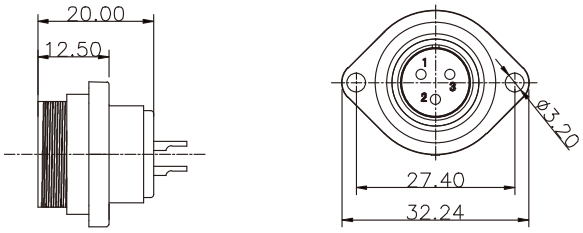
Pin Array and Specification

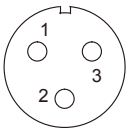


Number of contacts	2
Male contact face view	
Rated current (A)	10A
Contact diameter	1.5 * 2
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-FP1713/S03 FP17 Series 2-hole Flange Receptacle, 3 Pins

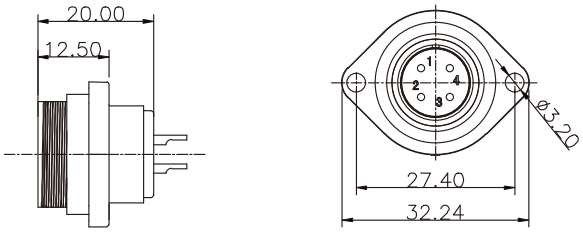
Pin Array and Specification

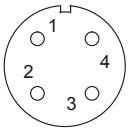


Number of contacts	3
Male contact face view	
Rated current (A)	1A
Contact diameter	1.5 * 3
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-FP1713/S04 FP17 Series 2-hole Flange Receptacle, 4 Pins

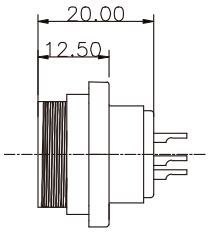
Pin Array and Specification

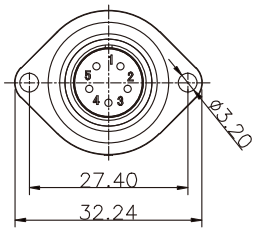


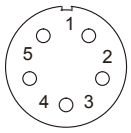
Number of contacts	4
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 4
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-FP1713/S05 FP17 Series 2-hole Flange Receptacle, 5 Pins

Pin Array and Specification

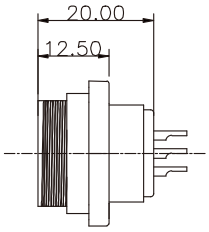


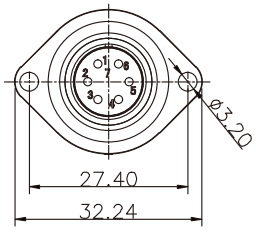


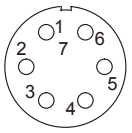
Number of contacts	5
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-FP1713/S06 FP17 Series 2-hole Flange Receptacle, 6 Pins

Pin Array and Specification

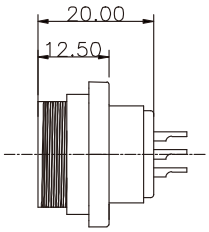


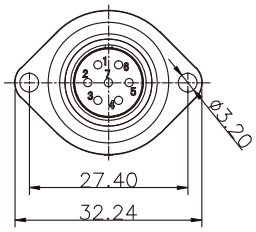


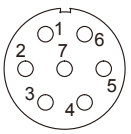
Number of contacts	6
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 6
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-FP1713/S07 FP17 Series 2-hole Flange Receptacle, 7 Pins

Pin Array and Specification

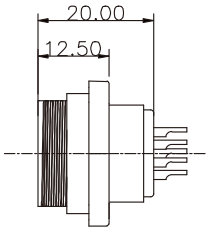


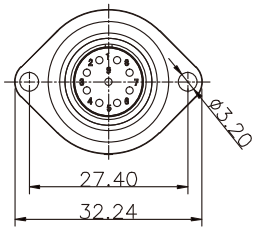


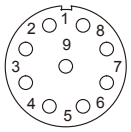
Number of contacts	7
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 7
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-FP1713/S09 FP17 Series 2-hole Flange Receptacle, 9 Pins

Pin Array and spec specification

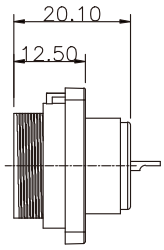


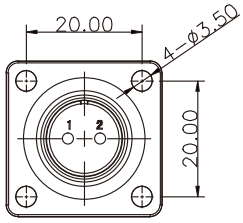


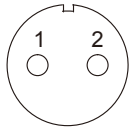
Number of contacts	9
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 9
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-FP1714/S02 FP17 Series 4-hole Flange Receptacle, 2 Pins

Pin Array and Specification

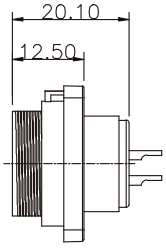


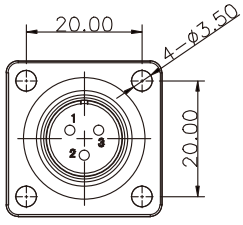


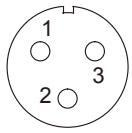
Number of contacts	2
Male contact face view	
Rated current (A)	10A
Contact diameter	1.5 * 2
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-FP1714/S03 FP17 Series 4-hole Flange Receptacle, 3 Pins

Pin Array and Specification

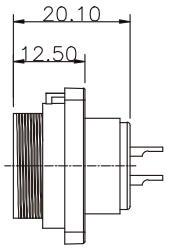


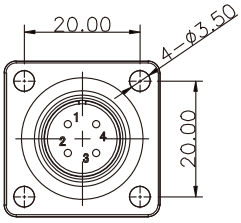


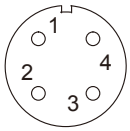
Number of contacts	3
Male contact face view	
Rated current (A)	10A
Contact diameter	1.5 * 3
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-FP1714/S04 FP17 Series 4-hole Flange Receptacle, 4 Pins

Pin Array and Specification

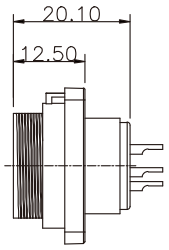


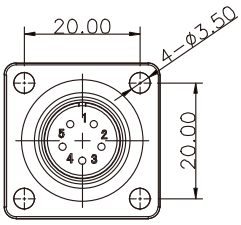


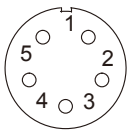
Number of contacts	4
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 4
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-FP1714/S05 FP17 Series 4-hole Flange Receptacle, 5 Pins

Pin Array and Specification

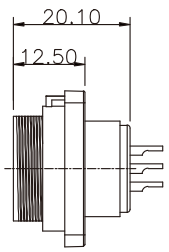


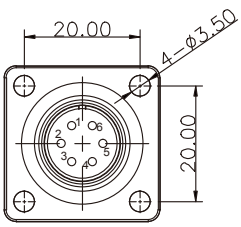


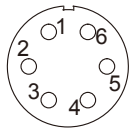
Number of contacts	5
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-FP1714/S06 FP17 Series 4-hole Flange Receptacle, 6 Pins

Pin Array and Specification

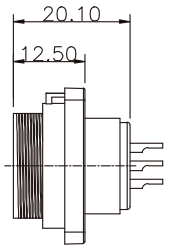


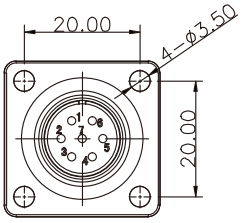


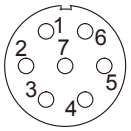
Number of contacts	6
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 6
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-FP1714/S07 FP17 Series 4-hole Flange Receptacle, 7 Pins

Pin Array and Specification

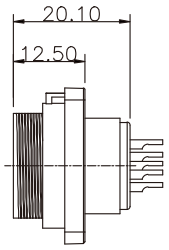


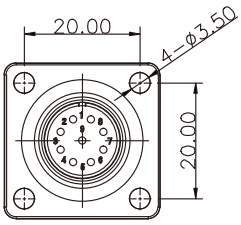


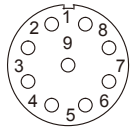
Number of contacts	7
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 7
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	≤0.785/18

Part Number: INT13-FP1714/S09 FP17 Series 4-hole Flange Receptacle, 9 Pins

Pin Array and Specification





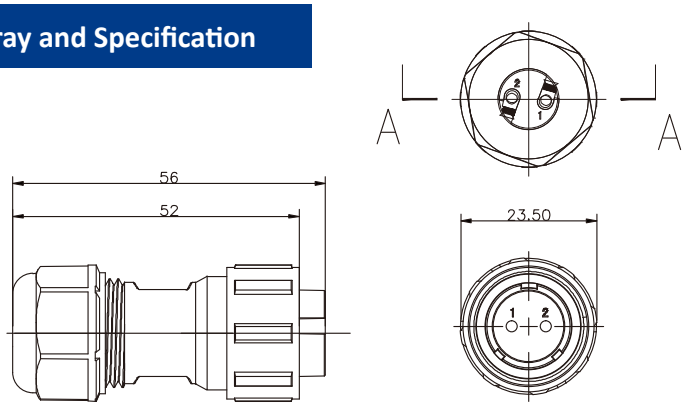
Number of contacts	9
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 9
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

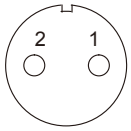
INT13 - TP17 DP17 ZP17 FP17 Series Screw Type

- INT13 - TP17 Technical Characteristics
- INT13 - DP17 Technical Characteristics
- INT13 - ZP17 Technical Characteristics
- INT13 - FP17 Technical Characteristics

Part Number: INT13-TP1710/P02L TP17 Series straight Plug, 2 Pins

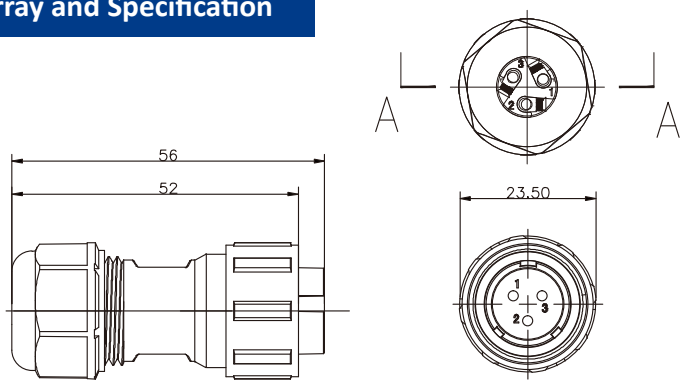
Pin Array and Specification

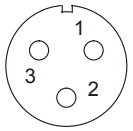


Number of contacts	2
Male contact face view	
Rated current (A)	10A
Contact diameter	1.5 * 2
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-TP1710/P03L TP17 Series Straight Plug, 3 Pins

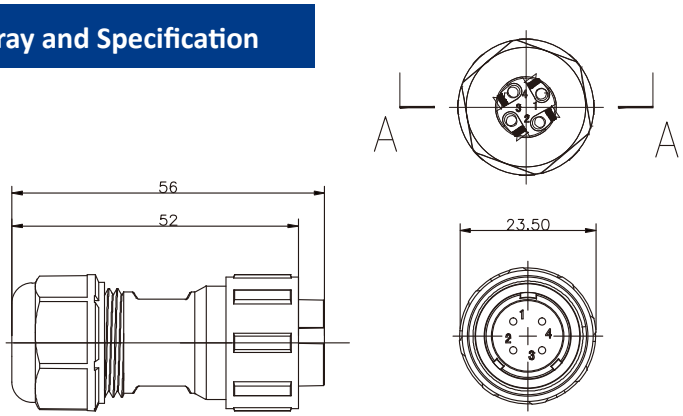
Pin Array and Specification

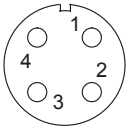


Number of contacts	3
Male contact face view	
Rated current (A)	10A
Contact diameter	1.5 * 3
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-TP1710/P04L TP17 Series Straight Plug, 4 Pins

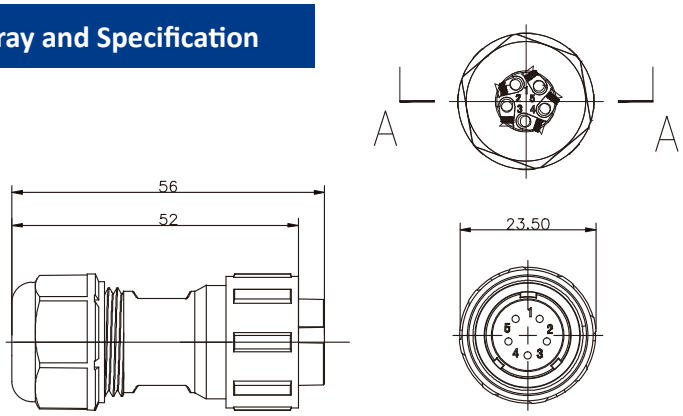
Pin Array and Specification

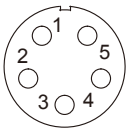


Number of contacts	4
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 4
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-TP1710/P05L TP17 Series Straight Plug, 5 Pins

Pin Array and Specification

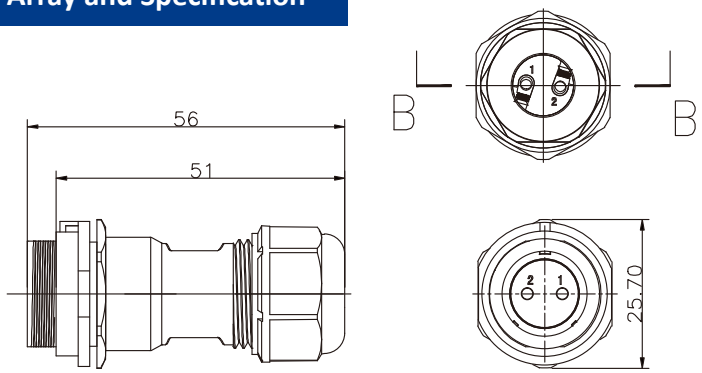


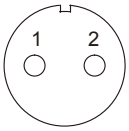
Number of contacts	5
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

INT13 - DP17 Technical Characteristics

Part Number: INT13-DP1711/S02L DP17 Series In-Line Cable Connector, 2 Pins

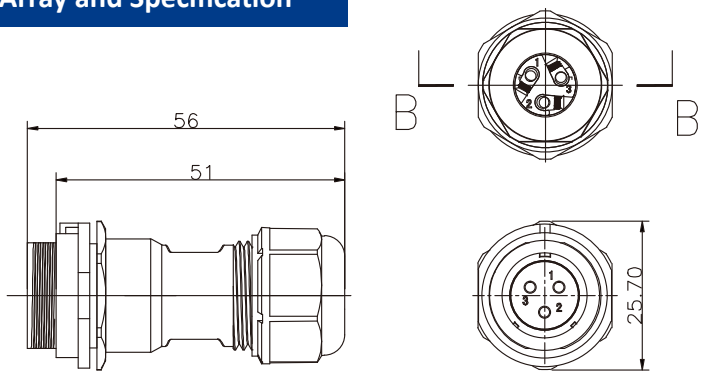
Pin Array and Specification

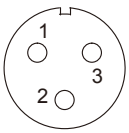


Number of contacts	2
Male contact face view	
Rated current (A)	10A
Contact diameter	1.5 * 2
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-DP1711/S03L DP17 Series In-Line Cable Connector, 3 Pins

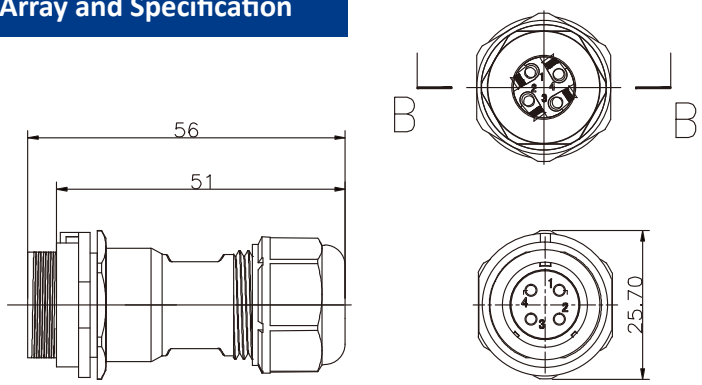
Pin Array and Specification

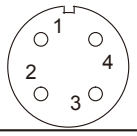


Number of contacts	3
Male contact face view	
Rated current (A)	10A
Contact diameter	1.5 * 3
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-DP1711/S04L DP17 Series In-Line Cable Connector, 4 Pins

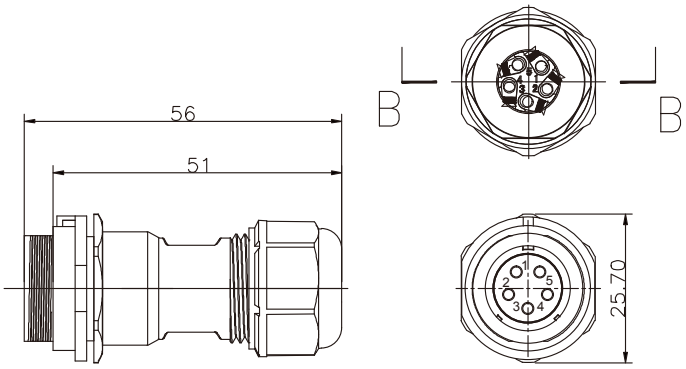
Pin Array and Specification

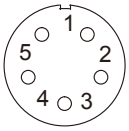


Number of contacts	4
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 4
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-DP1711/S05L DP17 Series In-Line Cable Connector, 5 Pins

Pin Array and Specification

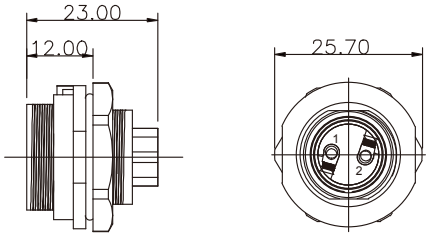


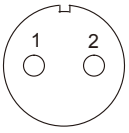
Number of contacts	5
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

INT13 - ZP17 Technical Characteristics

Part Number: INT13-ZP1712/S02L ZP17 Series Rear Mount Receptacle, 2 Pins

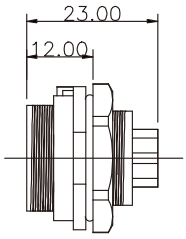
Pin Array and Specification

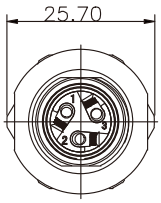


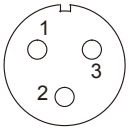
Number of contacts	2
Male contact face view	
Rated current (A)	10A
Contact diameter	1.5 * 2
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-ZP1712/S03L ZP17 Series Rear Mount Receptacle, 3 Pins

Pin Array and Specification

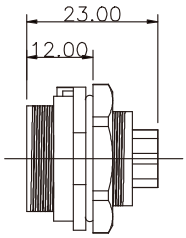


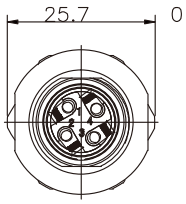


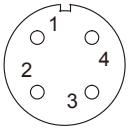
Number of contacts	3
Male contact face view	
Rated current (A)	10A
Contact diameter	1.5 * 3
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-ZP1712/S04L ZP17 Series Rear Mount Receptacle, 4 Pins

Pin Array and Specification

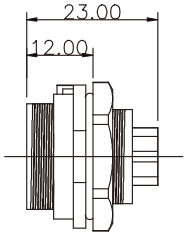


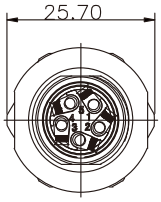


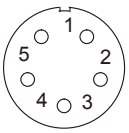
Number of contacts	4
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 4
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-ZP1712/S05L ZP17 Series Rear Mount Receptacle, 5 Pins

Pin Array and Specification

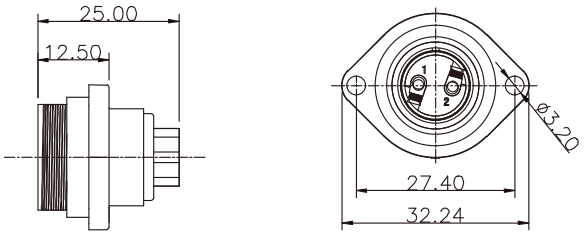


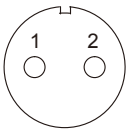


Number of contacts	5
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-FP1713/S02L FP17 Series 2-hole Flange Receptacle, 2 Pins

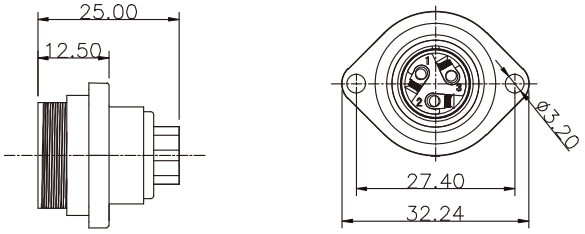
Pin Array and Specification

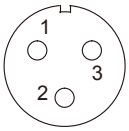


Number of contacts	2
Male contact face view	
Rated current (A)	10A
Contact diameter	1.5 * 2
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-FP1713/S03L FP17 Series 2-hole Flange Receptacle, 3 Pins

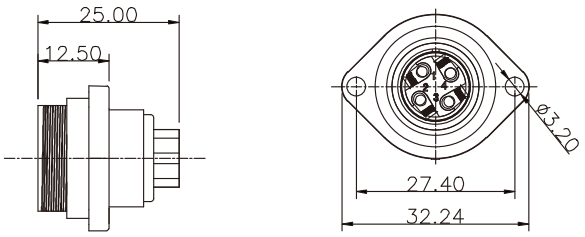
Pin Array and Specification

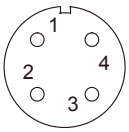


Number of contacts	3
Male contact face view	
Rated current (A)	10A
Contact diameter	1.5 * 3
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-FP1713/S04L FP17 Series 2-hole Flange Receptacle, 4 Pins

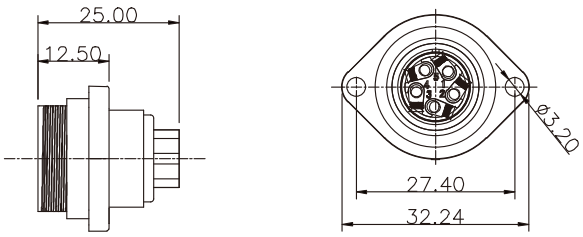
Pin Array and Specification

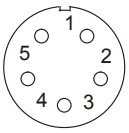


Number of contacts	4
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 4
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-FP1713/S05L FP17 Series 2-hole Flange Receptacle, 5 Pins

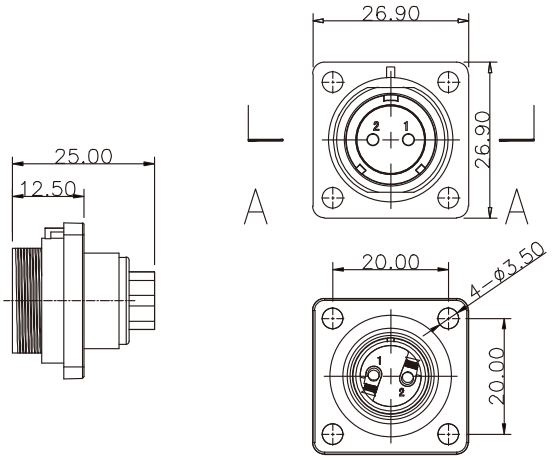
Pin Array and Specification

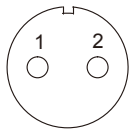


Number of contacts	5
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-FP1714/S02L FP17 Series 4-hole Flange Receptacle, 2 Pins

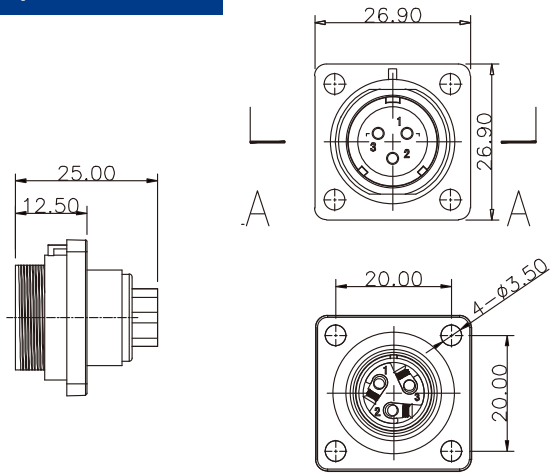
Pin Array and Specification

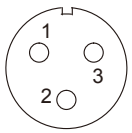


Number of contacts	2
Male contact face view	
Rated current (A)	10A
Contact diameter	1.5 * 2
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-FP1714/S03L FP17 Series 4-hole Flange Receptacle, 3 Pins

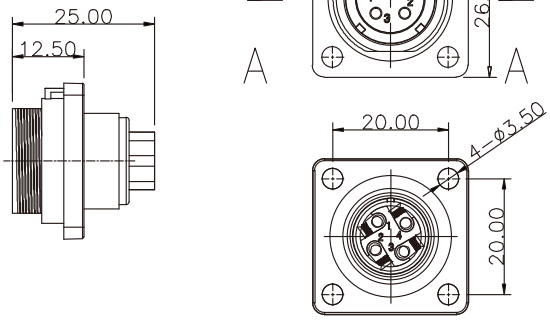
Pin Array and Specification

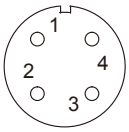


Number of contacts	3
Male contact face view	
Rated current (A)	10A
Contact diameter	1.5 * 3
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-FP1714/S04L FP17 Series 4-hole Flange Receptacle, 4 Pins

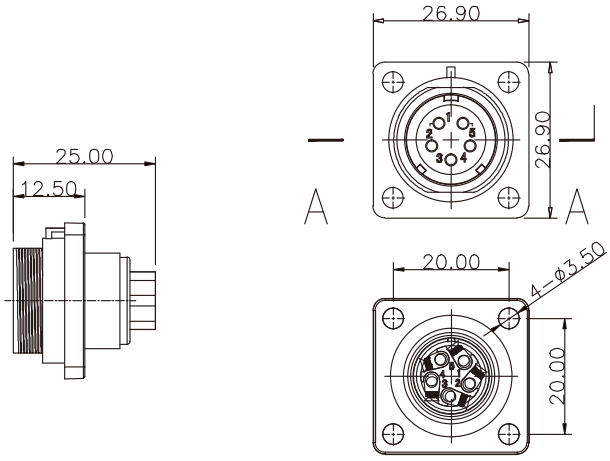
Pin Array and Specification

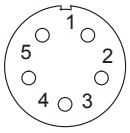


Number of contacts	4
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 4
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-FP1714/S05L FP17 Series 4-hole Flange Receptacle,5 Pins

Pin Array and Specification



Number of contacts	5
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

INT13 - TP21 DP21 ZP21 FP21 Series Solder Type

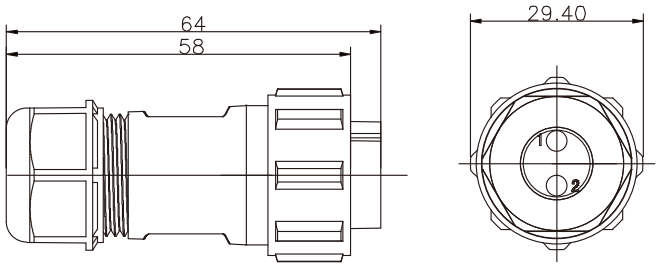
- INT13 - TP21 DP21 ZP21 FP21 Series Technical Characteristics
- INT13 - TP21 Technical Characteristics
- INT13 - DP21 Technical Characteristics
- INT13 - ZP21 Technical Characteristics
- INT13 - FP21 Technical Characteristics

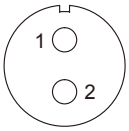
INT13-TP21 DP21 ZP21 FP21 Series Technical Characteristics

Number of contacts	2	3	4	5	5	5	6	6	6	7	9	12
Male contact face view												
Rated current(A)	30A	30A	30A	30A	5A/30A	15A	15A	30A/5A	30A/5A	15A	5A	5A
Contact diameter	2.8*2	2.8*3	2.8*4	2.8*5	2.8*2 1.0*3	1.8*5	1.8*6	2.8*4 1.0*2	2.8*2 1.0*4	1.8* 7	1.0* 9	1.0* 12
Contact	Solder / Crimp				Solder	Solder/ Crimp	Solder					
Rated voltage (AC. V)	500	500	500	500	500	500	500	500V/ 400V	500V/ 400V	500	400	400
Test voltage (AC. V)1min	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Contact resistance mΩ	1	1	1	1	5/1	2.5	2.5	1/5	0.5/5	2.5	5	5
Wire size for screw crimp m^2/ AWG	<4.17/11	<4.17/11	<4.17/11	<4.17/11	<0.785/18 <4.17/11	<2/14	<2/14	<0.785/18 <4.17/11	<10/7 <0.785/18	<2/14	<0.785/18	<0.785/18

Part Number: INT13-TP2110/P02 TP21 Series Straight Plug, 2 Pins

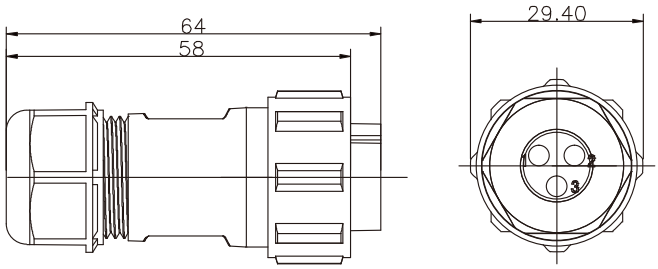
Pin Array and Specification

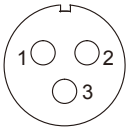


Number of contacts	2
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8 * 2
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11

Part Number: INT13-TP2110/P03 TP21 Series Straight Plug, 3 Pins

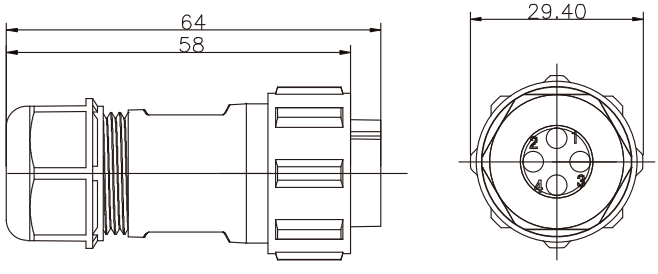
Pin Array and Specification

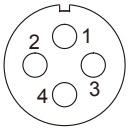


Number of contacts	3
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8 * 3
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11

Part Number: INT13-TP2110/P04 TP21 Series Straight Plug, 4 Pins

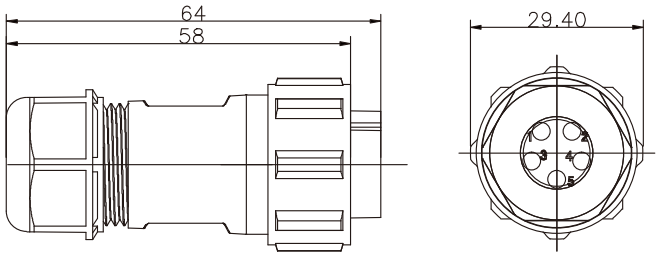
Pin Array and Specification

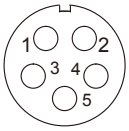


Number of contacts	4
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8 * 4
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11

Part Number: INT13-TP2110/P051 TP21 Series Straight Plug, 5 Pins

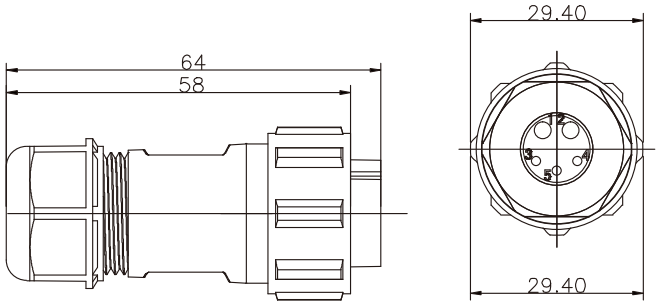
Pin Array and Specification

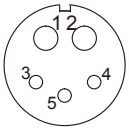


Number of contacts	5
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8 * 5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11

Part Number: INT13-TP2110/P052 TP21 Series Straight Plug, 5 Pins

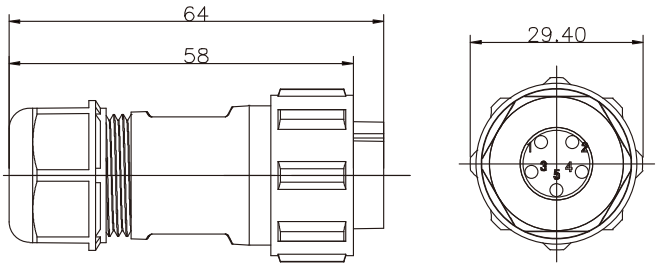
Pin Array and Specification

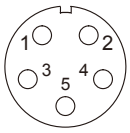


Number of contacts	5
Male contact face view	
Rated current (A)	5A/30A
Contact diameter	2.8*2 1.0*3
Contact	Solder
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5/1MΩ
Wire size solder mm² /AWG	<0.785/18 <4.17/11

Part Number: INT13-TP2110/P053 TP21 Series Straight Plug, 5 Pins

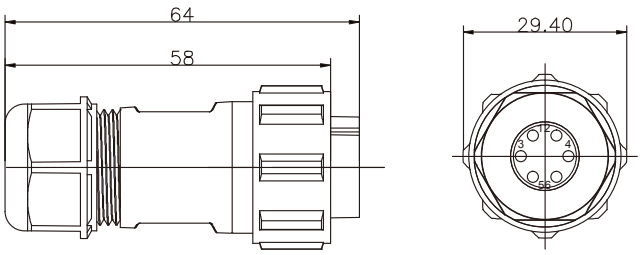
Pin Array and Specification

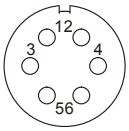


Number of contacts	5
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8 * 5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-TP2110/P061 TP21 Series Straight Plug, 6 Pins

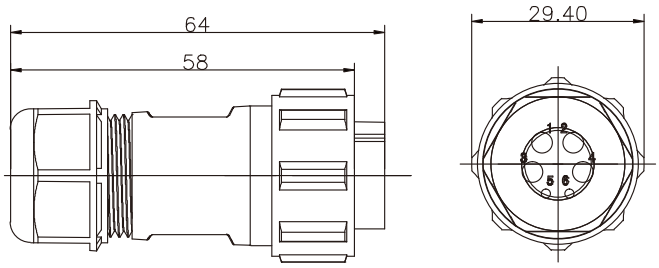
Pin Array and Specification

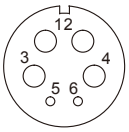


Number of contacts	6
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8 * 6
Contact	Solder
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-TP2110/P062 TP21 Series Straight Plug, 6 Pins

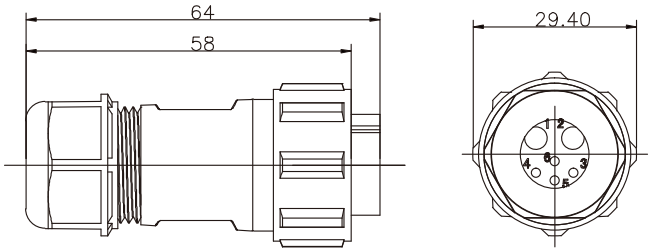
Pin Array and Specification

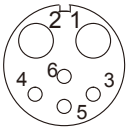


Number of contacts	6
Male contact face view	
Rated current (A)	30A/5A
Contact diameter	2.8*4 1.0*2
Contact	Solder
Rated voltage (AC. V)	500V/400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1/5MΩ
Wire size solder mm² /AWG	<0.785/18 <4.17/11

Part Number: INT13-TP2110/P063 TP21 Series Straight Plug, 6 Pins

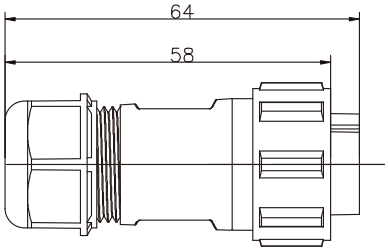
Pin Array and Specification

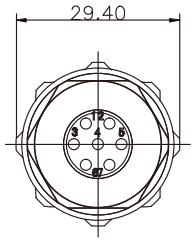


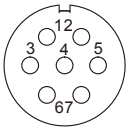
Number of contacts	6
Male contact face view	
Rated current (A)	30A/5A
Contact diameter	2.8*2 1.0*4
Contact	Solder/Crimp
Rated voltage (AC. V)	500V/400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	0.5/5MΩ
Wire size solder mm² /AWG	<10/7 <0.785/18

Part Number: INT13-TP2110/P07 TP21 Series Straight Plug, 7 Pins

Pin Array and Specification

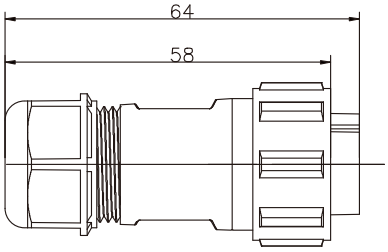


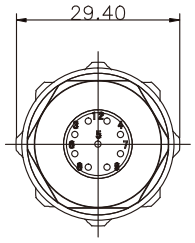


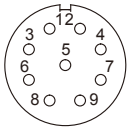
Number of contacts	7
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8 * 7
Contact	Solder
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-TP2110/P09 TP21 Series Straight Plug, 9 Pins

Pin Array and Specification

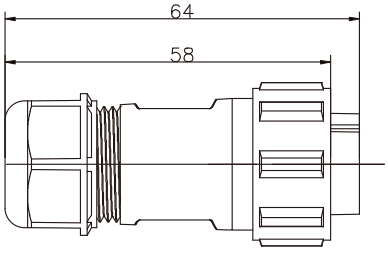


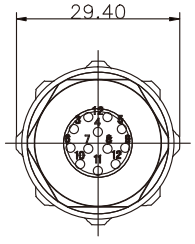


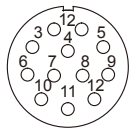
Number of contacts	9
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 9
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-TP2110/P12 TP21 Series Straight Plug, 12 Pins

Pin Array and Specification

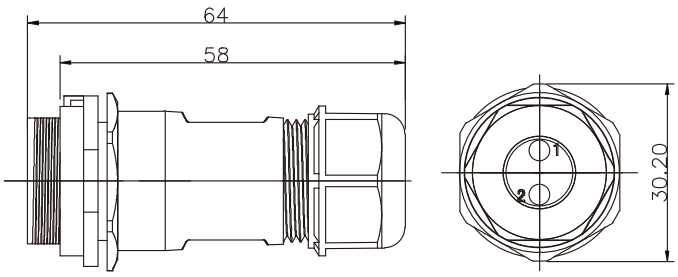


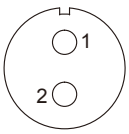


Number of contacts	12
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 12
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-DP2111/S02 DP21 Series In-Line Cable Connector, 2 Pins

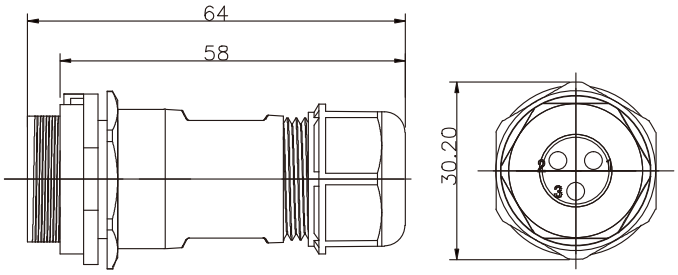
Pin Array and Specification

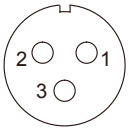


Number of contacts	2
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8 * 2
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11

Part Number: INT13-DP2111/S03 DP21 Series In-Line Cable Connector, 3 Pins

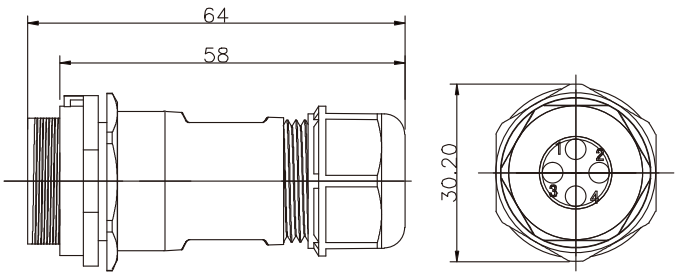
Pin Array and Specification

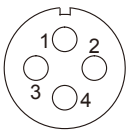


Number of contacts	3
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8 * 3
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11

Part Number: INT13-DP2111/S04 DP21 Series In-Line Cable Connector, 4 Pins

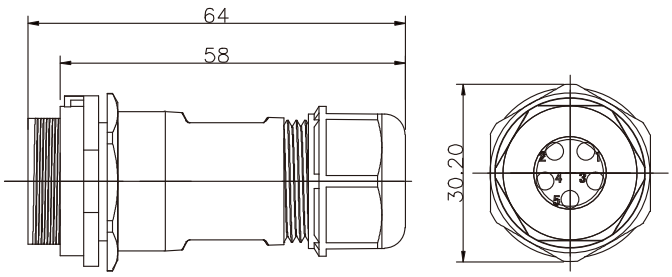
Pin Array and Specification

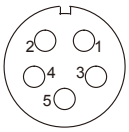


Number of contacts	4
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8* 4
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11

Part Number: INT13-DP2111/S051 DP21 Series In-Line Cable Connector, 5 Pins

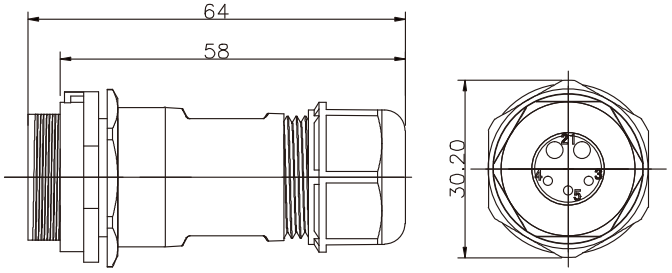
Pin Array and Specification

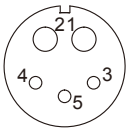


Number of contacts	5
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8 * 5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11

Part Number: INT13-DP2111/S052 DP21 Series In-Line Cable Connector, 5 Pins

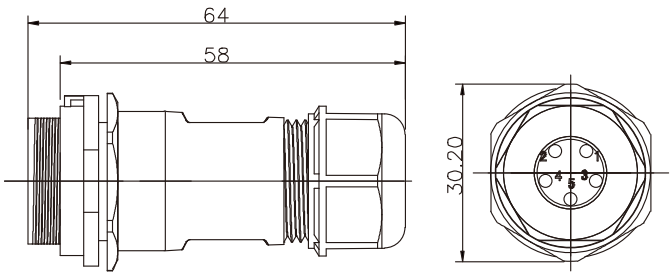
Pin Array and Specification

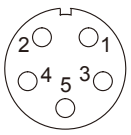


Number of contacts	5
Male contact face view	
Rated current (A)	5A/30A
Contact diameter	2.8*2 1.0*3
Contact	Solder
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5/1MΩ
Wire size solder mm² /AWG	<0.785/18 <4.17/11

Part Number: INT13-DP2111/S053 DP21 Series In-Line Cable Connector, 5 Pins

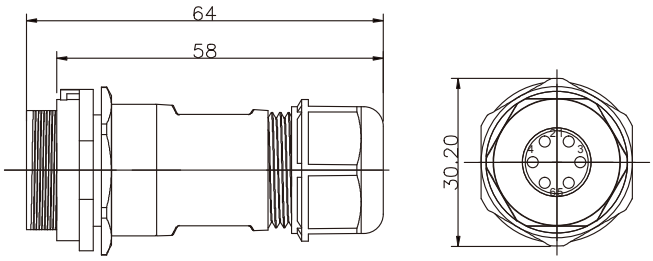
Pin Array and Specification

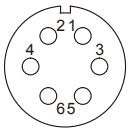


Number of contacts	5
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8* 5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-DP2111/S061 DP21 Series In-Line Cable Connector, 6 Pins

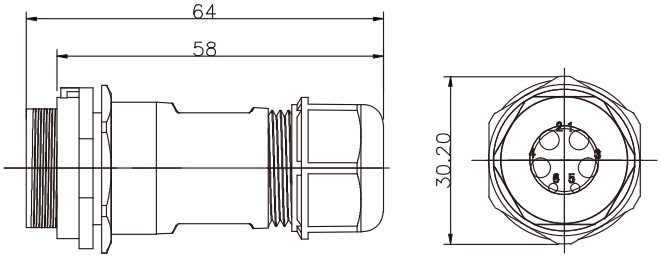
Pin Array and Specification

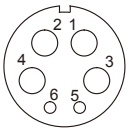


Number of contacts	6
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8 * 6
Contact	Solder
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-DP2111/S062 DP21 Series In-Line Cable Connector, 6 Pins

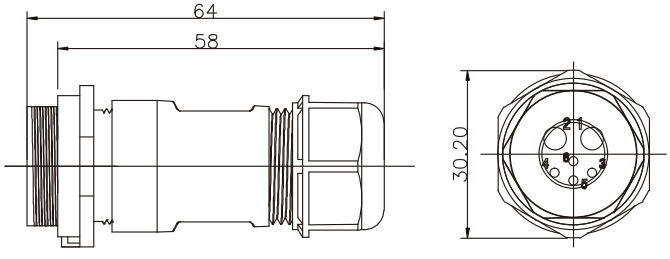
Pin Array and Specification

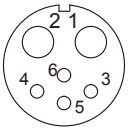


Number of contacts	6
Male contact face view	
Rated current (A)	30A/5A
Contact diameter	2.8*4 1.0*2
Contact	Solder
Rated voltage (AC. V)	500V/400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1/5MΩ
Wire size solder mm² /AWG	<0.785/18 <4.17/11

Part Number: INT13-DP2111/S063 DP21 Series In-Line Cable Connector, 6 Pins

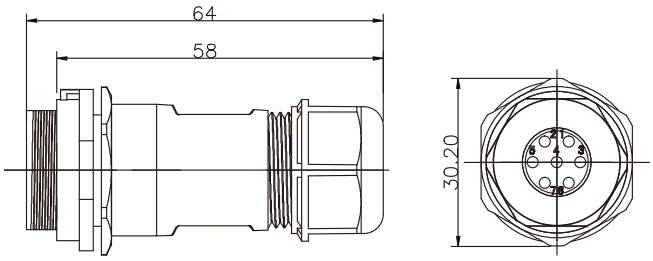
Pin Array and Specification

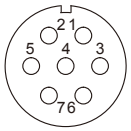


Number of contacts	6
Male contact face view	
Rated current (A)	30A/5A
Contact diameter	2.8*2 1.0*4
Contact	Solder
Rated voltage (AC. V)	500V/400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	0.5/5MΩ
Wire size solder mm² /AWG	<10/7 <0.785/18

Part Number: INT13-DP2111/S07 DP21 Series In-Line Cable Connector, 7 Pins

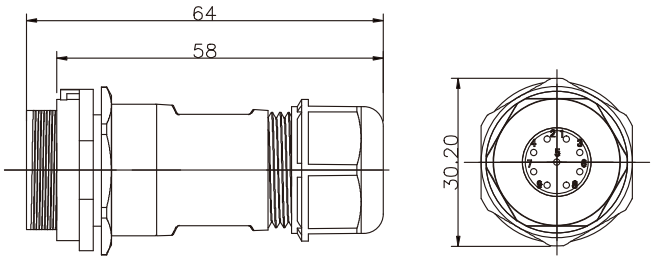
Pin Array and Specification

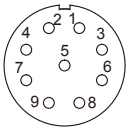


Number of contacts	7
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8 * 7
Contact	Solder
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-DP2111/S09 DP21 Series In-Line Cable Connector, 9 Pins

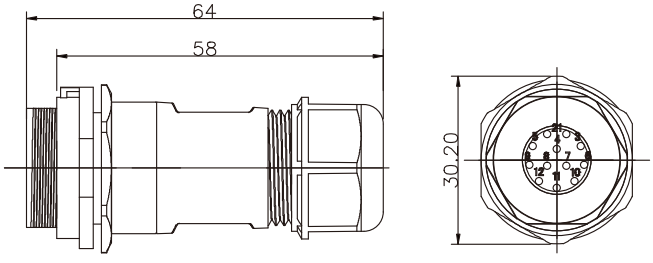
Pin Array and Specification

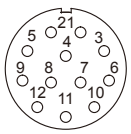


Number of contacts	9
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 9
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-DP2111/S012 DP21 Series In-Line Cable Connector, 12 Pins

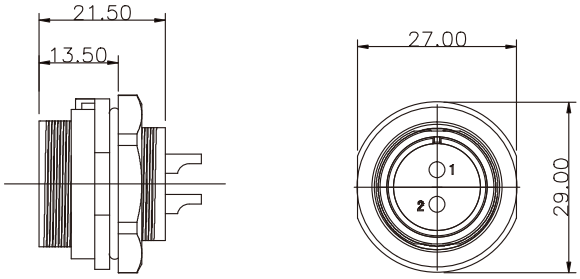
Pin Array and Specification

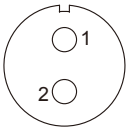


Number of contacts	12
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0* 12
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-ZP2112/S02 ZP21 Series Rear Mount Receptacle, 2 Pins

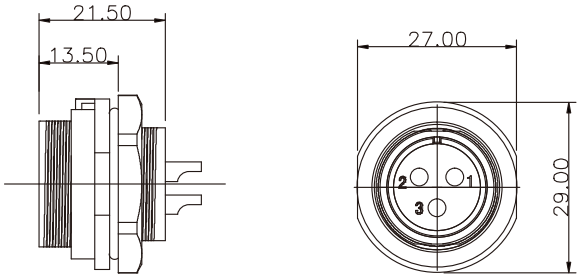
Pin Array and Specification

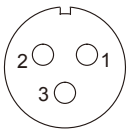


Number of contacts	2
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8 * 2
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11

Part Number: INT13-ZP2112/S03 ZP21 Series Rear Mount Receptacle, 3 Pins

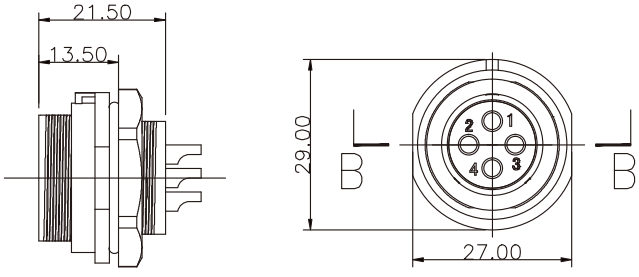
Pin Array and Specification

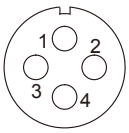


Number of contacts	3
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8 * 3
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11

Part Number: INT13-ZP2112/S04 ZP21 Series Rear Mount Receptacle, 4 Pins

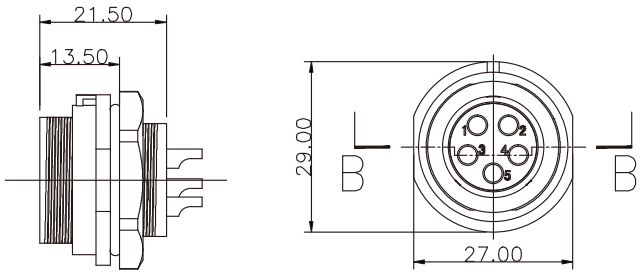
Pin Array and Specification

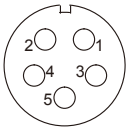


Number of contacts	4
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8* 4
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11

Part Number: INT13-ZP2112/S051 ZP21 Series Rear Mount Receptacle, 5 Pins

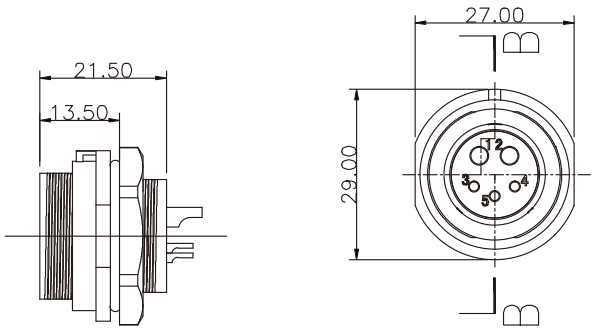
Pin Array and Specification

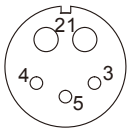


Number of contacts	5
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8 * 5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11

Part Number: INT13-ZP2112/S052 ZP21 Series Rear Mount Receptacle, 5 Pins

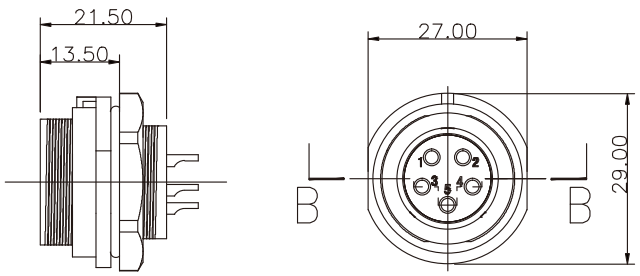
Pin Array and Specification

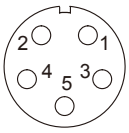


Number of contacts	5
Male contact face view	
Rated current (A)	5A/30A
Contact diameter	2.8*2 1.0*3
Contact	Solder
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5/1MΩ
Wire size solder mm² /AWG	<0.785/18 ≤4.17/11

Part Number: INT13-ZP2112/S053 ZP21 Series Rear Mount Receptacle, 5 Pins

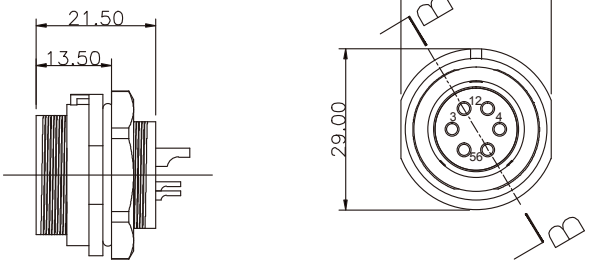
Pin Array and Specification

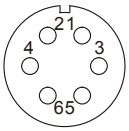


Number of contacts	5
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8* 5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-ZP2112/S061 ZP21 Series Rear Mount Receptacle, 6 Pins

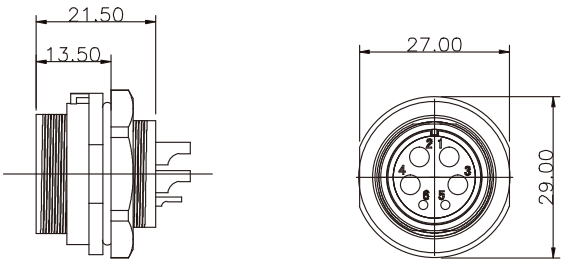
Pin Array and Specification

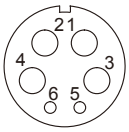


Number of contacts	6
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8 * 6
Contact	Solder
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-ZP2112/S062 ZP21 Series Rear Mount Receptacle, 6 Pins

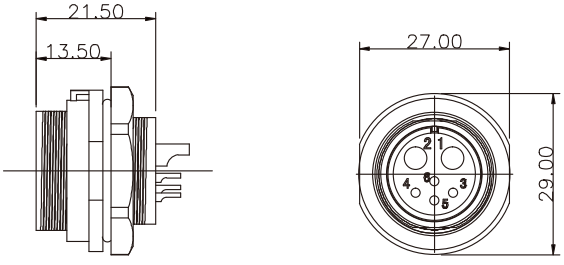
Pin Array and Specification

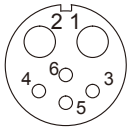


Number of contacts	6
Male contact face view	
Rated current (A)	30A/5A
Contact diameter	2.8*4 1.0*2
Contact	Solder
Rated voltage (AC. V)	500V/400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1/5MΩ
Wire size solder mm² /AWG	<0.785/18 <4.17/11

Part Number: INT13-ZP2112/S063 ZP21 Series Rear Mount Receptacle, 6 Pins

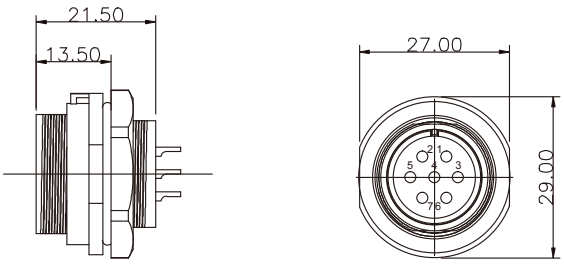
Pin Array and Specification

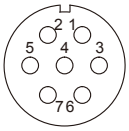


Number of contacts	6
Male contact face view	
Rated current (A)	30A/5A
Contact diameter	2.8*2 1.0*4
Contact	Solder
Rated voltage (AC. V)	500V/400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	0.5/5MΩ
Wire size solder mm² /AWG	<10/7 <0.785/18

Part Number: INT13-ZP2112/S07 ZP21 Series Rear Mount Receptacle, 7 Pins

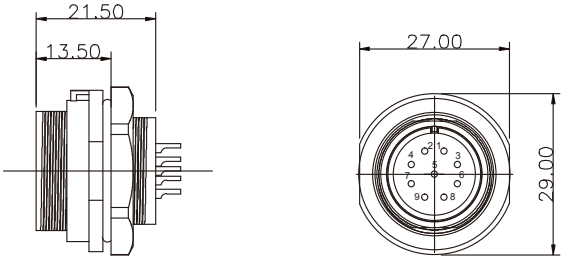
Pin Array and spec specification

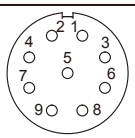


Number of contacts	7
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8 * 7
Contact	Solder
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-ZP2112/S09 ZP21 Series Rear Mount Receptacle, 9 Pins

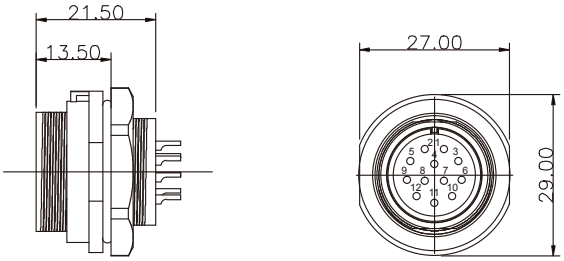
Pin Array and Specification

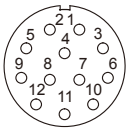


Number of contacts	9
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 9
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-ZP2112/S012 ZP21 Series Rear Mount Receptacle, 12 Pins

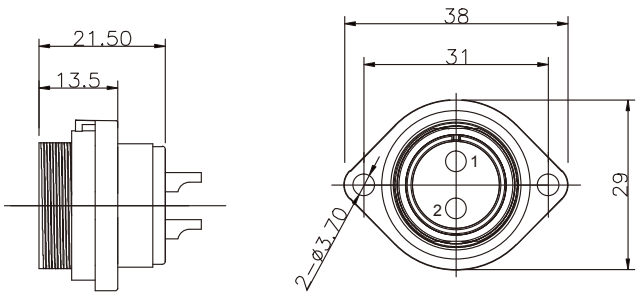
Pin Array and Specification

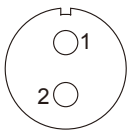


Number of contacts	12
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 12
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-FP2113/S02 FP21 Series 2-hole Flange Receptacle, 2 Pins

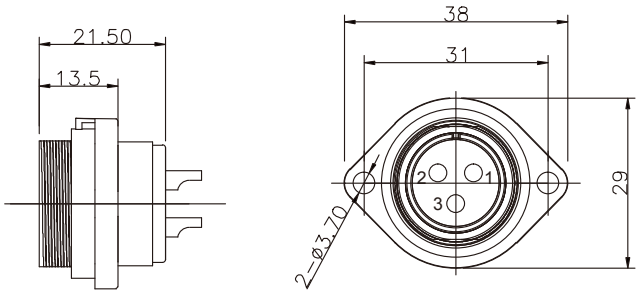
Pin Array and spec specification

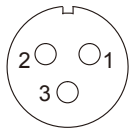


Number of contacts	2
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*2
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11

Part Number: INT13-FP2113/S03 FP21 Series 2-hole Flange Receptacle, 3 Pins

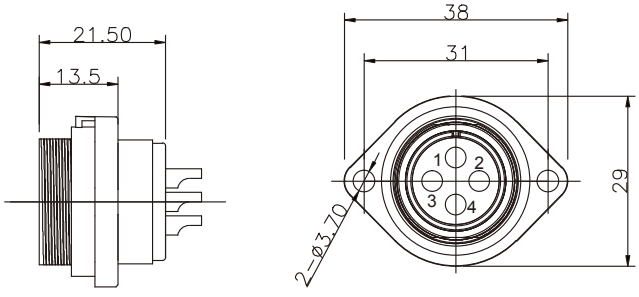
Pin Array and Specification

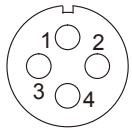


Number of contacts	3
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*3
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11

Part Number: INT13-FP2113/S04 FP21 Series 2-hole Flange Receptacle, 4 Pins

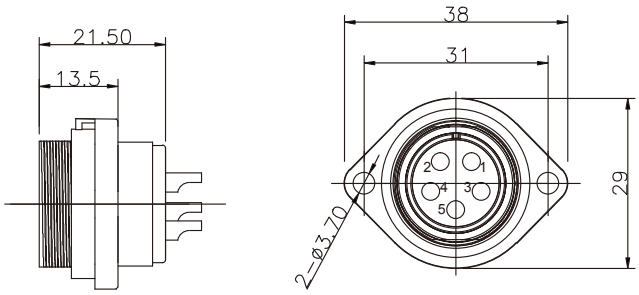
Pin Array and Specification

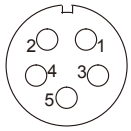


Number of contacts	4
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*3
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11

Part Number: INT13-FP2113/S051 FP21 Series 2-hole Flange Receptacle, 5 Pins

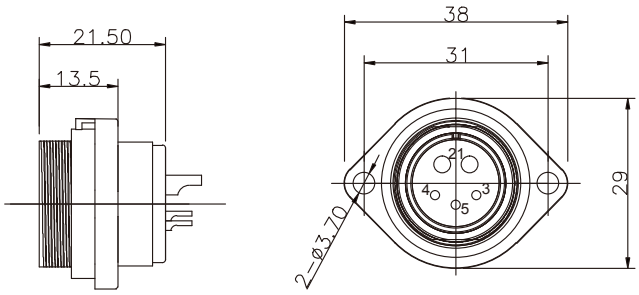
Pin Array and spec specification

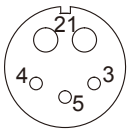


Number of contacts	5
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11

Part Number: INT13-FP2113/S052 FP21 Series 2-hole Flange Receptacle, 5 Pins

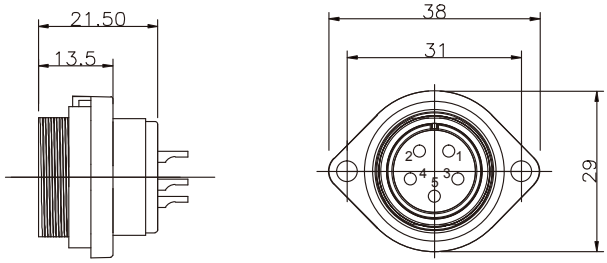
Pin Array and Specification

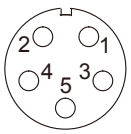


Number of contacts	5
Male contact face view	
Rated current (A)	5A/30A
Contact diameter	2.8*2 1.0*3
Contact	Solder
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5/1MΩ
Wire size solder mm² /AWG	<0.785/18 <4.17/11

Part Number: INT13-FP2113/S053 FP21 Series 2-hole Flange Receptacle, 5 Pins

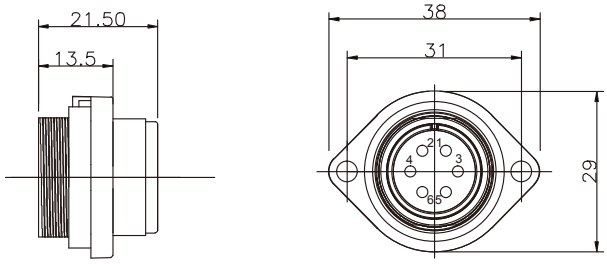
Pin Array and Specification

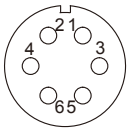


Number of contacts	5
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8*5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-FP2113/S061 FP21 Series 2-hole Flange Receptacle, 6 Pins

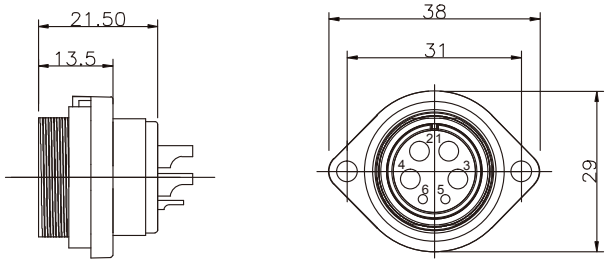
Pin Array and spec specification

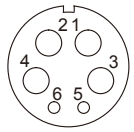


Number of contacts	6
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8*6
Contact	Solder
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-FP2113/S062 FP21 Series 2-hole Flange Receptacle, 6 Pins

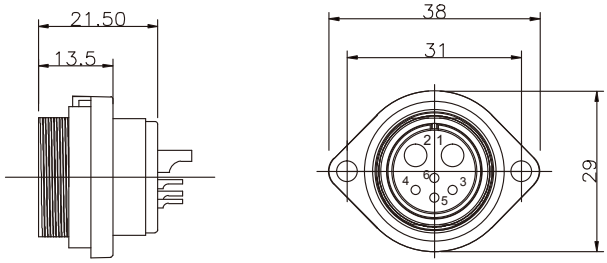
Pin Array and Specification

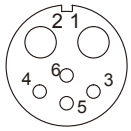


Number of contacts	6
Male contact face view	
Rated current (A)	30A/5A
Contact diameter	2.8*4 1.0*2
Contact	Solder
Rated voltage (AC. V)	500V/400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1/5MΩ
Wire size solder mm² /AWG	<0.785/18 <4.17/11

Part Number: INT13-FP2113/S063 FP21 Series 2-hole Flange Receptacle, 6 Pins

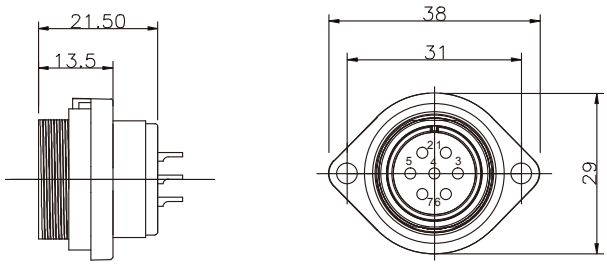
Pin Array and Specification

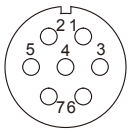


Number of contacts	6
Male contact face view	
Rated current (A)	30A/5A
Contact diameter	2.8*2 1.0*4
Contact	Solder
Rated voltage (AC. V)	500V/400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	0.5/5MΩ
Wire size solder mm² /AWG	<10/7 <0.785/18

Part Number: INT13-FP2113/S07 FP21 Series 2-hole Flange Receptacle, 7 Pins

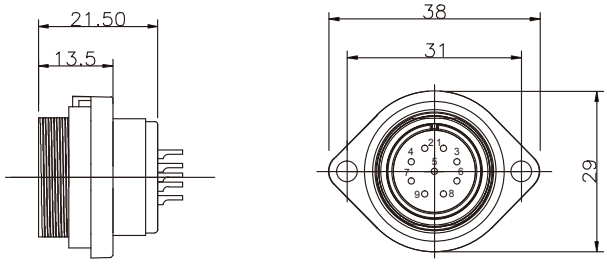
Pin Array and spec specification

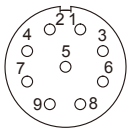


Number of contacts	7
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8*7
Contact	Solder
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-FP2113/S09 FP21 Series 2-hole Flange Receptacle, 9 Pins

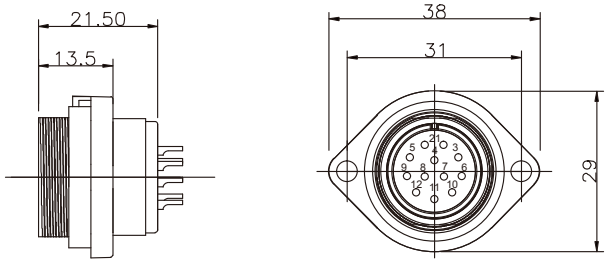
Pin Array and Specification

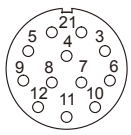


Number of contacts	9
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0*9
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-FP2113/S012 FP21 Series 2-hole Flange Receptacle, 12 Pins

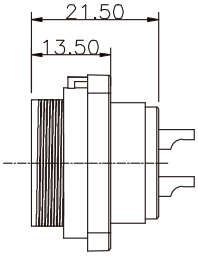
Pin Array and Specification

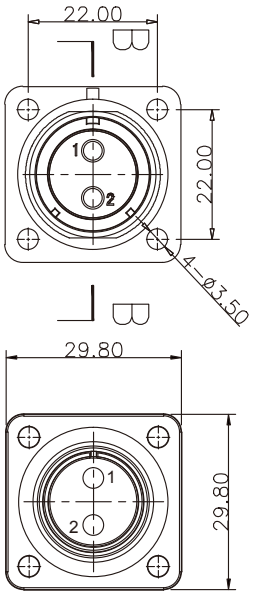


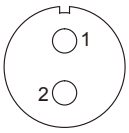
Number of contacts	12
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0*12
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-FP2114/S02 FP21 Series 4-hole Flange Receptacle, 2 Pins

Pin Array and spec specification

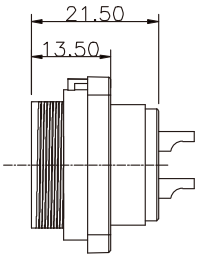


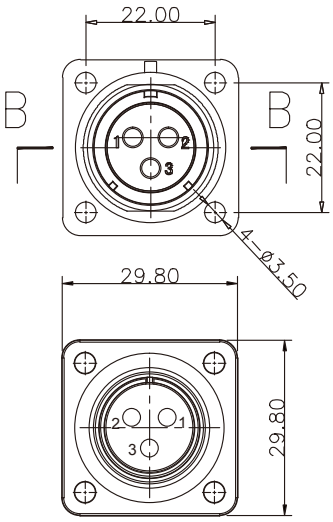


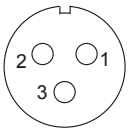
Number of contacts	2
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*2
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11

Part Number: INT13-FP2114/S03 FP21 Series 4-hole Flange Receptacle, 3 Pins

Pin Array and Specification

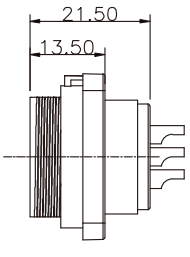


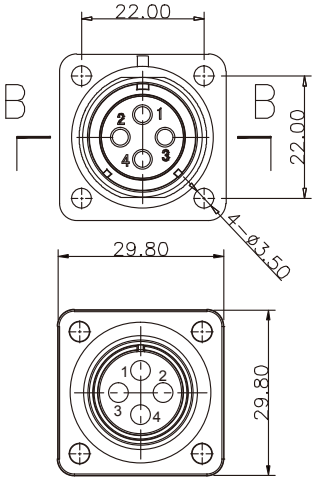


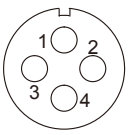
Number of contacts	3
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*3
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11

Part Number: INT13-FP2114/S04 FP21 Series 4-hole Flange Receptacle, 4 Pins

Pin Array and Specification

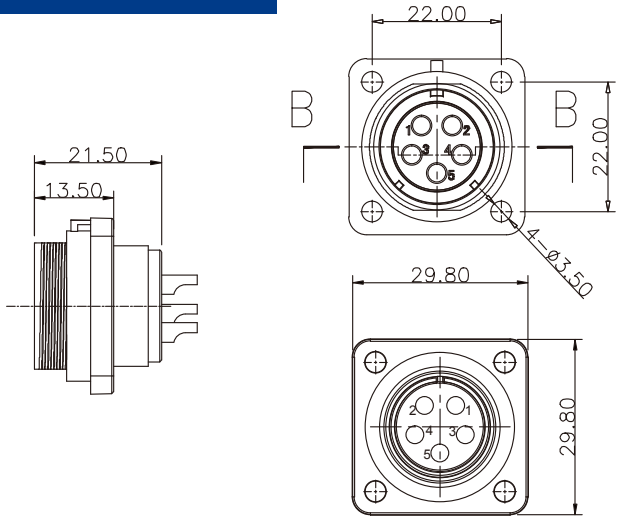


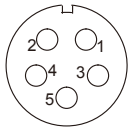


Number of contacts	4
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*4
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11

Part Number: INT13-FP2114/S051 FP21 Series 4-hole Flange Receptacle, 5 Pins

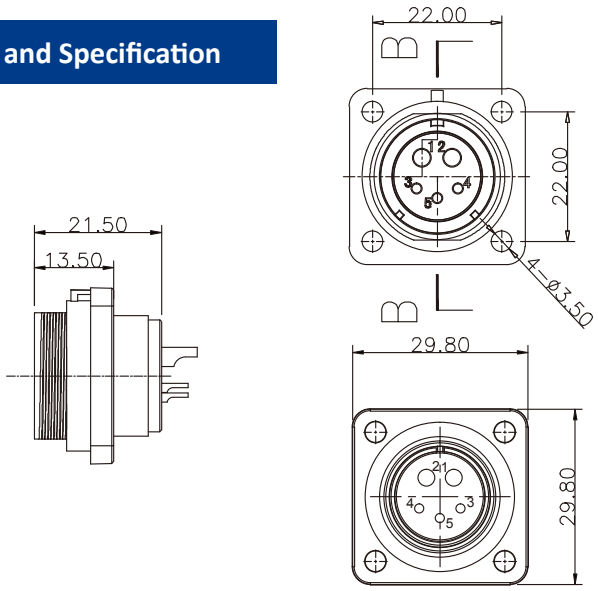
Pin Array and Specification

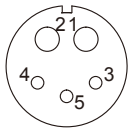


Number of contacts	5
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11

Part Number: INT13-FP2114/S052 FP21 Series 4-hole Flange Receptacle, 5 Pins

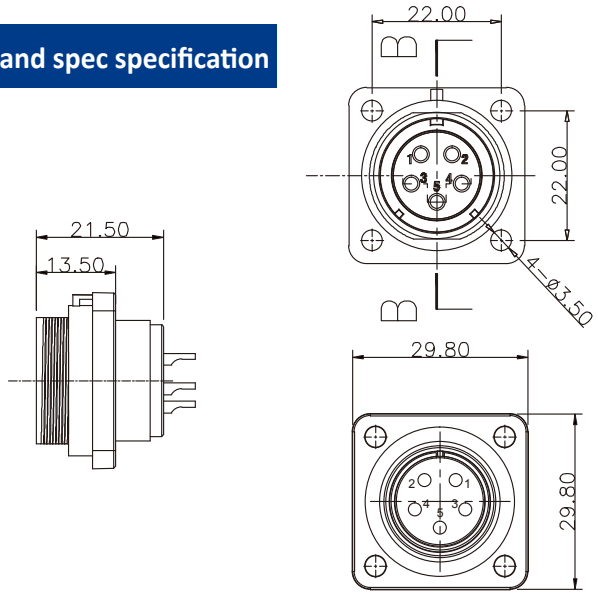
Pin Array and Specification

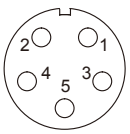


Number of contacts	5
Male contact face view	
Rated current (A)	5A/30A
Contact diameter	2.8*2 1.0*3
Contact	Solder
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5/1MΩ
Wire size solder mm² /AWG	<0.785/18 <4.17/11

Part Number: INT13-FP2114/S053 FP21 Series 4-hole Flange Receptacle, 5 Pins

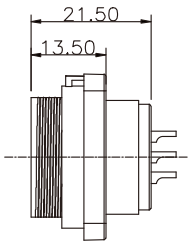
Pin Array and spec specification

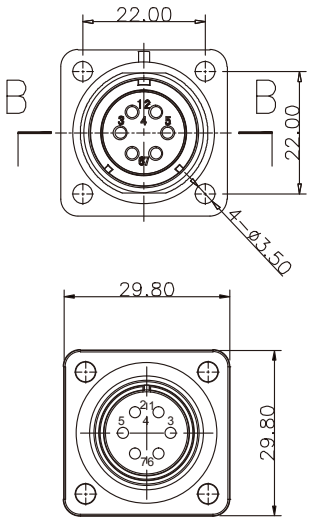


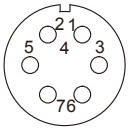
Number of contacts	5
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8*5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-FP2114/S061 FP21 Series 4-hole Flange Receptacle, 6 Pins

Pin Array and Specification

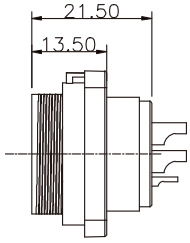


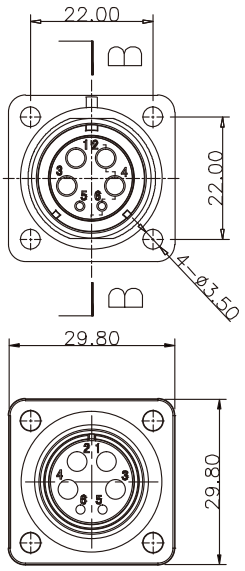


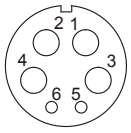
Number of contacts	6
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8*6
Contact	Solder
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-FP2114/S062 FP21 Series 4-hole Flange Receptacle, 6 Pins

Pin Array and Specification

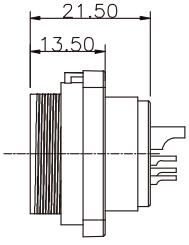


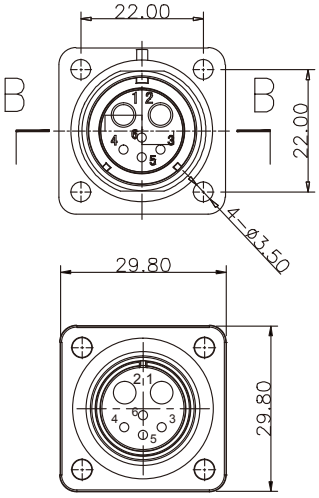


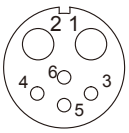
Number of contacts	6
Male contact face view	
Rated current (A)	30A/5A
Contact diameter	2.8*4 1.0*2
Contact	Solder
Rated voltage (AC. V)	500V/400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1/5MΩ
Wire size solder mm² /AWG	<0.785/18 <4.17/11

Part Number: INT13-FP2114/S063 FP21 Series 4-hole Flange Receptacle, 6 Pins

Pin Array and spec specification

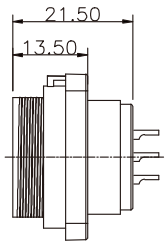


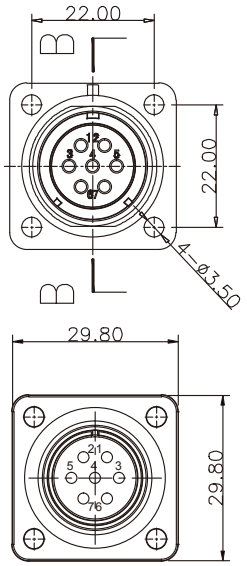


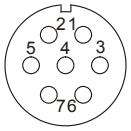
Number of contacts	6
Male contact face view	
Rated current (A)	30A/5A
Contact diameter	2.8*2 1.0*4
Contact	Solder
Rated voltage (AC. V)	500V/400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	0.5/5MΩ
Wire size solder mm² /AWG	<10/7 <0.785/18

Part Number: INT13-FP2114/S07 FP21 Series 4-hole Flange Receptacle, 7 Pins

Pin Array and Specification

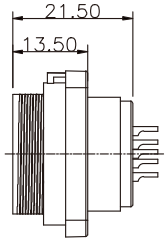


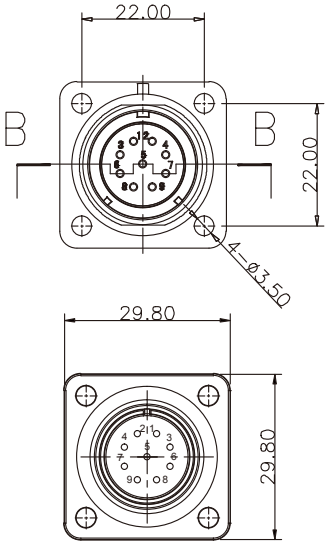


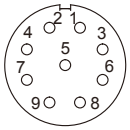
Number of contacts	7
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8*7
Contact	Solder
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-FP2114/S09 FP21 Series 4-hole Flange Receptacle, 9 Pins

Pin Array and Specification

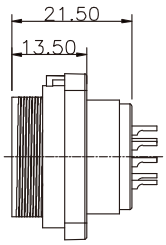


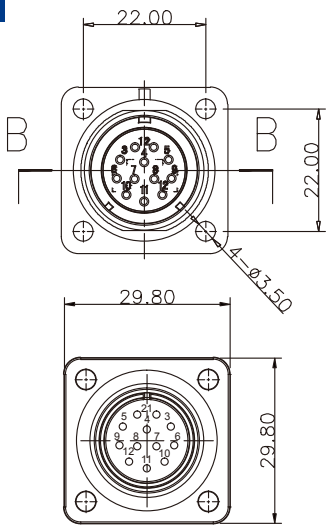


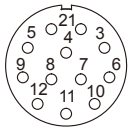
Number of contacts	9
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0*9
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-FP2114/S012 FP21 Series 4-hole Flange Receptacle, 12 Pins

Pin Array and spec specification





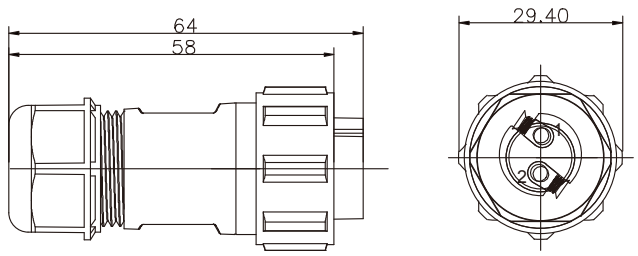
Number of contacts	12
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0*12
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

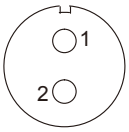
INT13 - TP21 DP21 ZP21 FP21 Series Screw Type

- INT13 - TP21 Technical Characteristics
- INT13 - DP21 Technical Characteristics
- INT13 - ZP21 Technical Characteristics
- INT13 - FP21 Technical Characteristics

Part Number: INT13-TP2110/P02L TP21 Series Straight Plug, 2 Pins

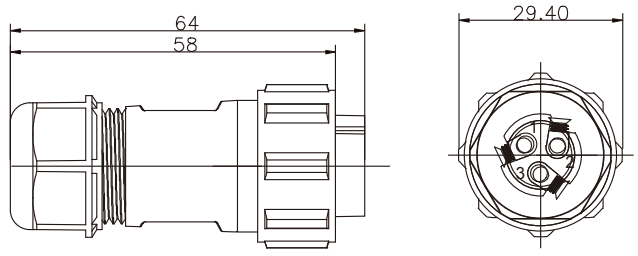
Pin Array and Specification

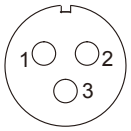


Number of contacts	2
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*2
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11
Wire size for screw ceimp mm²/AWG	<1.5/15

Part Number: INT13-TP2110/P03L TP21 Series Straight Plug, 3 Pins

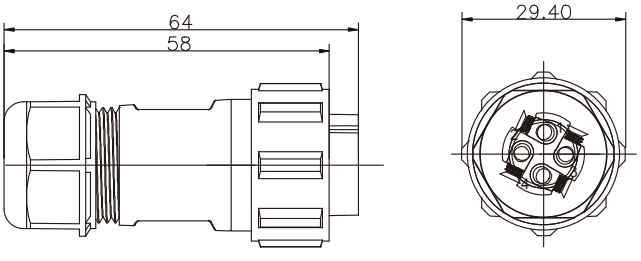
Pin Array and Specification

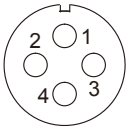


Number of contacts	3
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*3
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11
Wire size for screw ceimp mm²/AWG	<1.5/15

Part Number: INT13-TP2110/P04L TP21 Series Straight Plug, 4 Pins

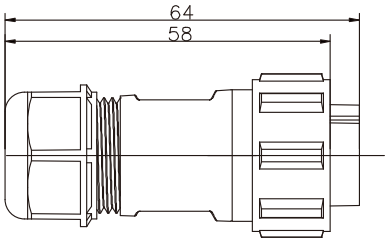
Pin Array and spec specification

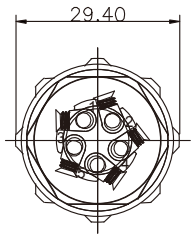


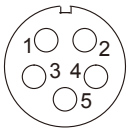
Number of contacts	4
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*4
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11
Wire size for screw ceimp mm²/AWG	<1.5/15

Part Number: INT13-TP2110/P051L TP21 Series Straight Plug, 5 Pins

Pin Array and Specification

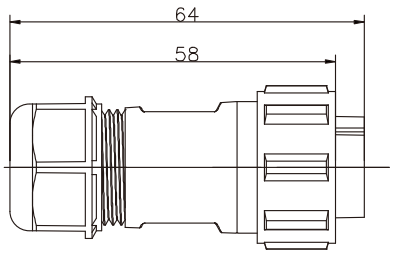


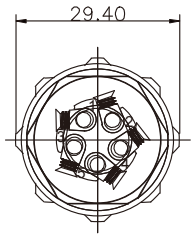


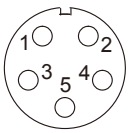
Number of contacts	5
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder /AWG	<4.17/11
Wire size for screw ceimp mm²/AWG	<1.5/15

Part Number: INT13-TP2110/P053L TP21 Series Straight Plug, 5 Pins

Pin Array and Specification

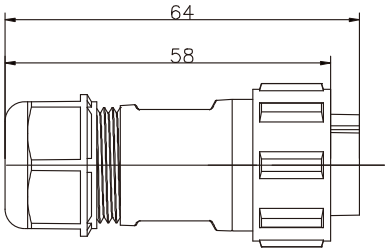


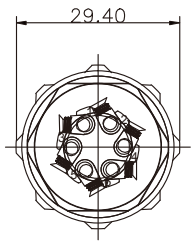


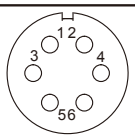
Number of contacts	5
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8*5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-TP2110/P06L TP21 Series Straight Plug, 6 Pins

Pin Array and spec specification

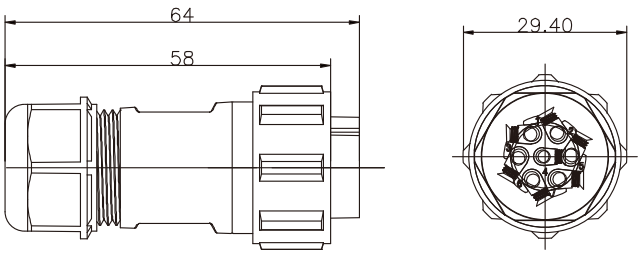


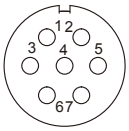


Number of contacts	6
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8*6
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-TP2110/P07L TP21 Series Straight Plug, 7 Pins

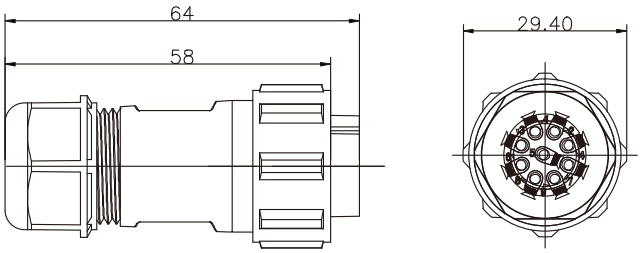
Pin Array and Specification

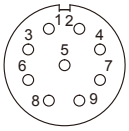


Number of contacts	7
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8*7
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-TP2110/P09L TP21 Series Straight Plug, 9 Pins

Pin Array and Specification

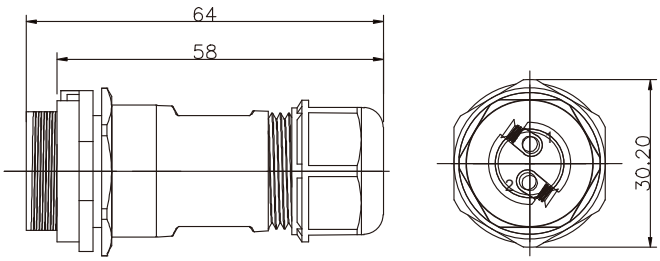


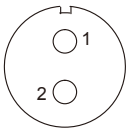
Number of contacts	9
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0*9
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

INT13 - DP21 Technical Characteristics

Part Number: INT13-DP2111/S02L DP21 Series In-Line Cable Connector, 2 Pins

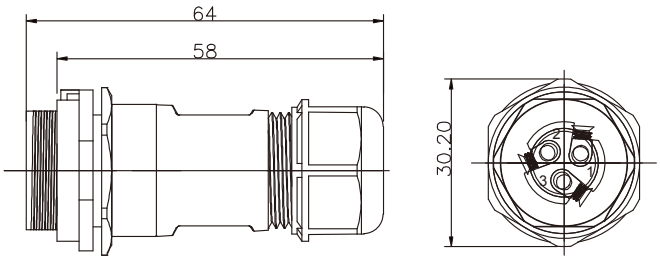
Pin Array and spec specification

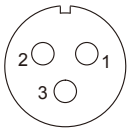


Number of contacts	2
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*2
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11
Wire size for screw ceimp mm²/AWG	<1.5/15

Part Number: INT13-DP2111/S03L DP21 Series In-Line Cable Connector, 3 Pins

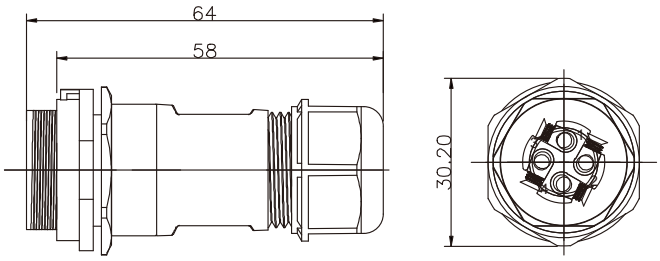
Pin Array and Specification

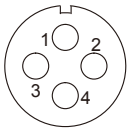


Number of contacts	3
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*3
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11
Wire size for screw ceimp mm²/AWG	<1.5/15

Part Number: INT13-DP2111/S04L DP21 Series In-Line Cable Connector, 4 Pins

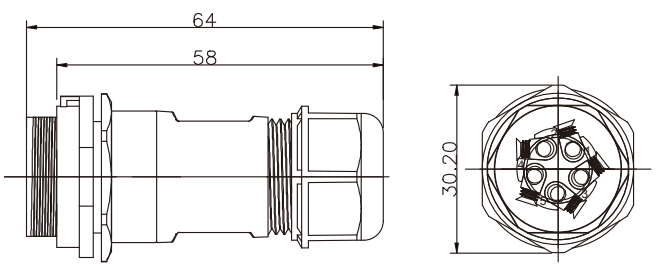
Pin Array and Specification

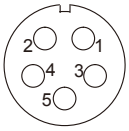


Number of contacts	4
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*4
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11
Wire size for screw ceimp mm²/AWG	<1.5/15

Part Number: INT13-DP2111/S051L DP21 Series In-Line Cable Connector, 5 Pins

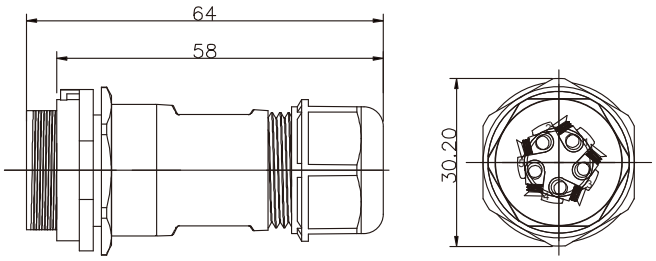
Pin Array and spec specification

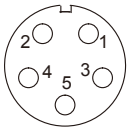


Number of contacts	5
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11
Wire size for screw ceimp mm²/AWG	<1.5/15

Part Number: INT13-DP2111/S053L DP21 Series In-Line Cable Connector, 5 Pins

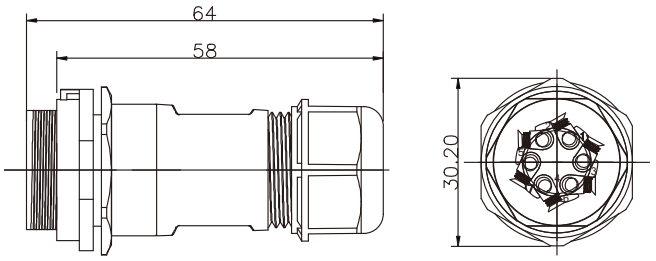
Pin Array and Specification

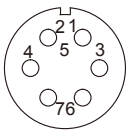


Number of contacts	5
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8*5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-DP2111/S06L DP21 Series In-Line Cable Connector, 6 Pins

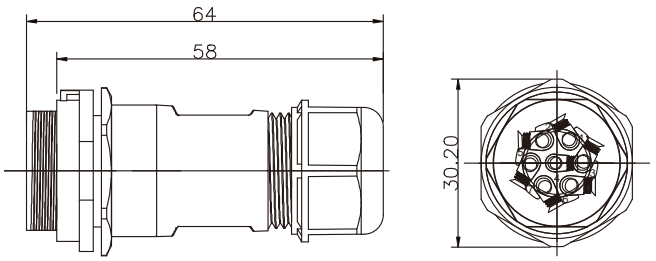
Pin Array and Specification

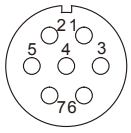


Number of contacts	6
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8*6
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-DP2111/S07L DP21 Series In-Line Cable Connector, 7 Pins

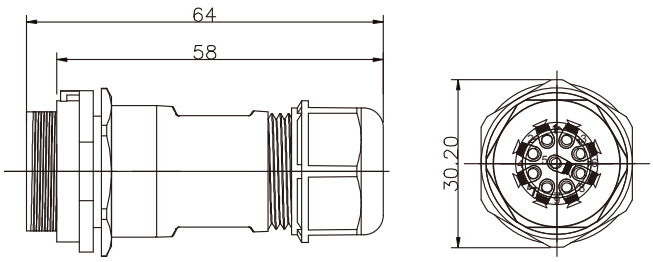
Pin Array and spec specification

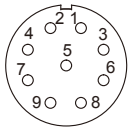


Number of contacts	7
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8*7
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-DP2111/S09L DP21 Series In-Line Cable Connector, 9 Pins

Pin Array and Specification

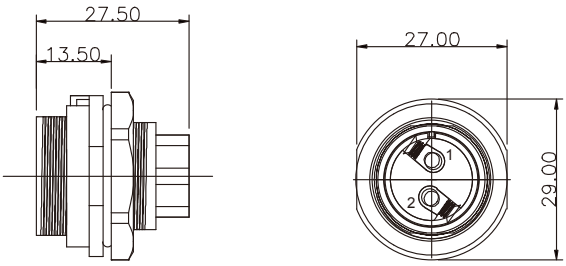


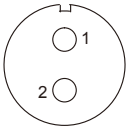
Number of contacts	9
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0*9
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

INT13 - ZP21 Technical Characteristics

Part Number: INT13-ZP2112/S02L ZP21 Series Rear Mount Receptacle, 2 Pins

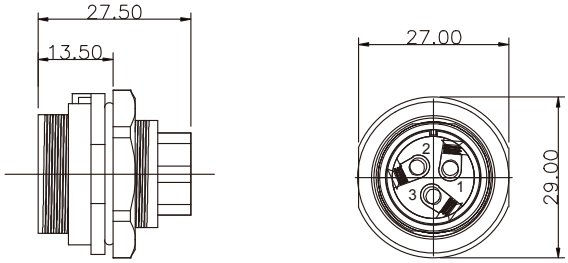
Pin Array and Specification

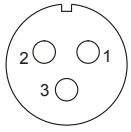


Number of contacts	2
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*2
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11

Part Number: INT13-ZP2112/S03L ZP21 Series Rear Mount Receptacle, 3 Pins

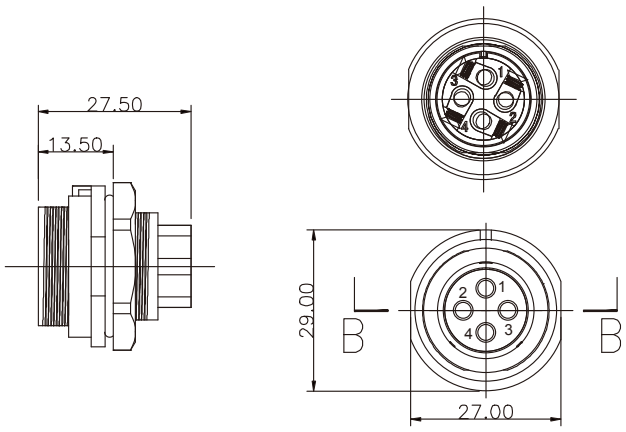
Pin Array and spec specification

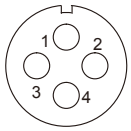


Number of contacts	3
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*3
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11
Wire size for screw ceimp mm²/AWG	<1.5/15

Part Number: INT13-ZP2112/S04L ZP21 Series Rear Mount Receptacle, 4 Pins

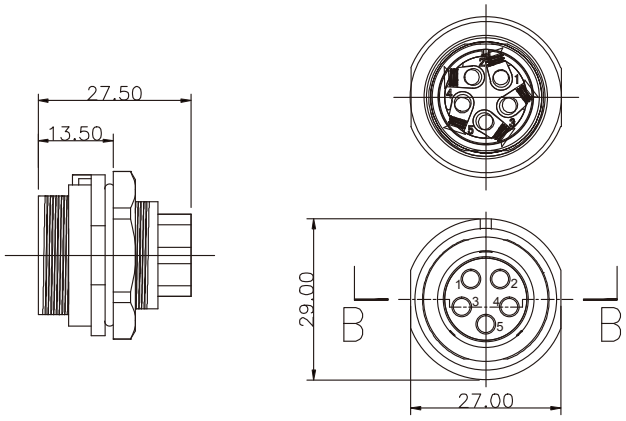
Pin Array and Specification

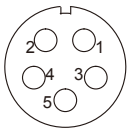


Number of contacts	4
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*4
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11
Wire size for screw ceimp mm²/AWG	<1.5/15

Part Number: INT13-ZP2112/S051L ZP21 Series Rear Mount Receptacle, 5 Pins

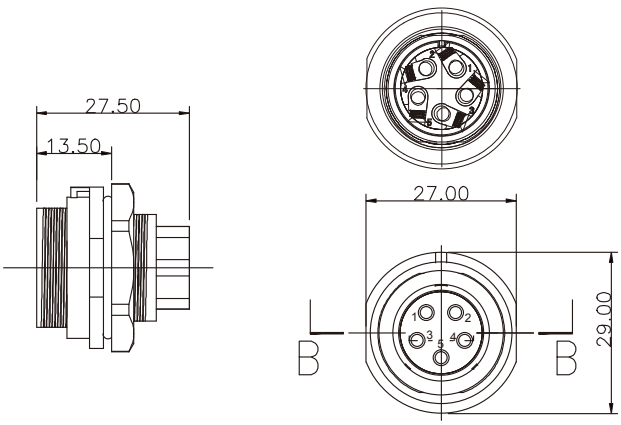
Pin Array and Specification

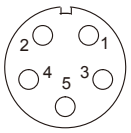


Number of contacts	5
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11
Wire size for screw ceimp mm²/AWG	<1.5/15

Part Number: INT13-ZP2112/S053L ZP21 Series Rear Mount Receptacle, 5 Pins

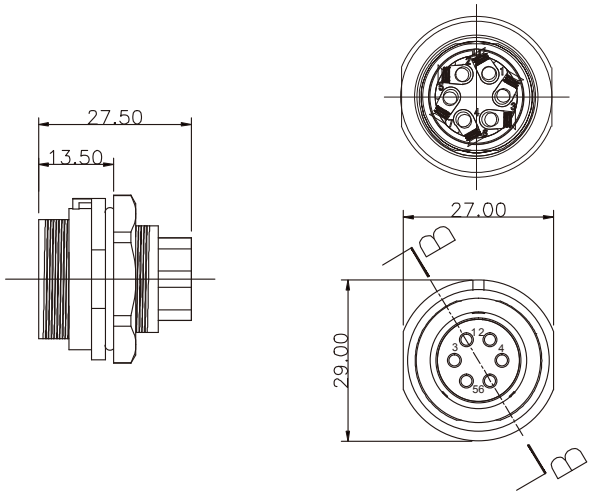
Pin Array and spec specification

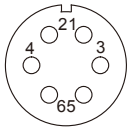


Number of contacts	5
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8*5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-ZP2112/S06L ZP21 Series Rear Mount Receptacle, 6 Pins

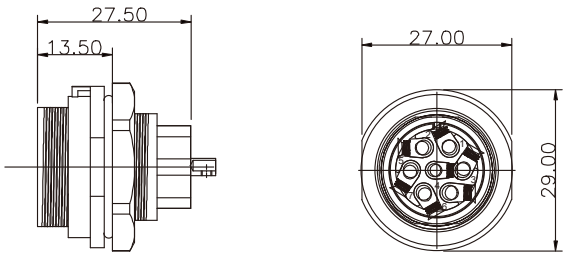
Pin Array and Specification

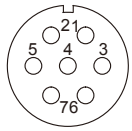


Number of contacts	6
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8*6
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-ZP2112/S07L ZP21 Series Rear Mount Receptacle, 7 Pins

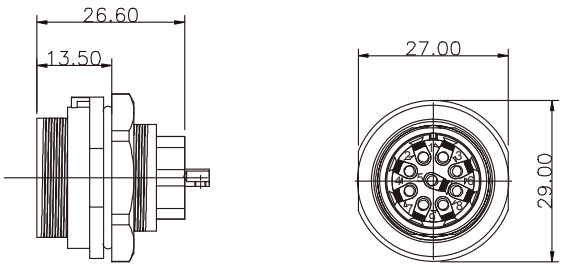
Pin Array and Specification

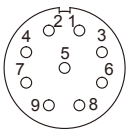


Number of contacts	7
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8*7
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-ZP2112/S09L ZP21 Series Rear Mount Receptacle, 9 Pins

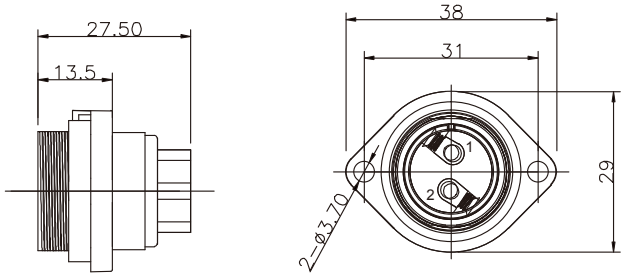
Pin Array and spec specification

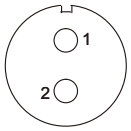


Number of contacts	9
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0*9
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-FP2113/S02L FP21 Series 2-hole Flange Receptacle, 2 Pins

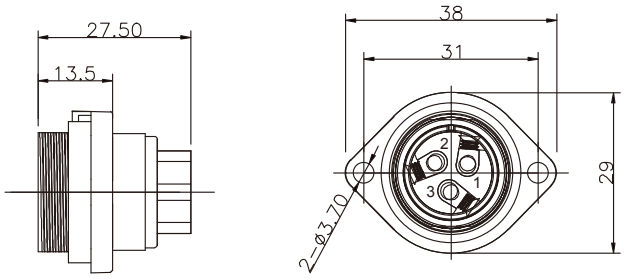
Pin Array and Specification

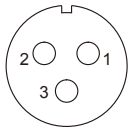


Number of contacts	2
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*2
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11
Wire size for screw ceimp mm²/AWG	<1.5/15

Part Number: INT13-FP2113/S03L FP21 Series 2-hole Flange Receptacle, 3 Pins

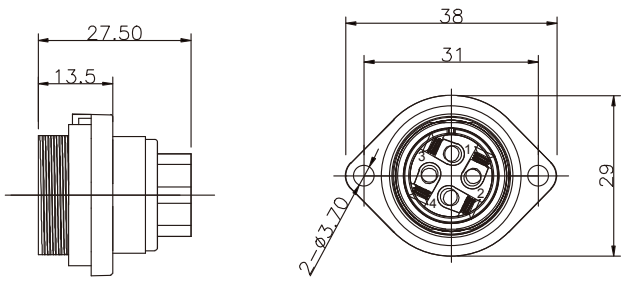
Pin Array and Specification

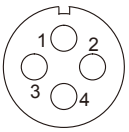


Number of contacts	3
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*3
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11
Wire size for screw ceimp mm²/AWG	<1.5/15

Part Number: INT13-FP2113/S04L FP21 Series 2-hole Flange Receptacle, 4 Pins

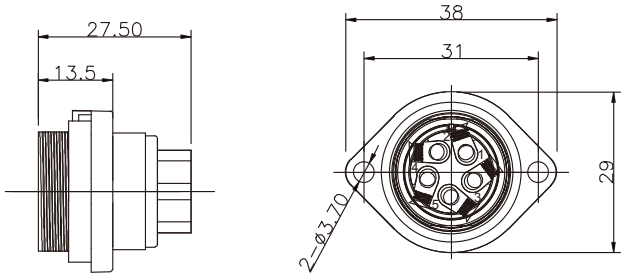
Pin Array and spec specification

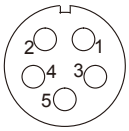


Number of contacts	4
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*3
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11
Wire size for screw ceimp mm²/AWG	<1.5/15

Part Number: INT13-FP2113/S051L FP21 Series 2-hole Flange Receptacle, 5 Pins

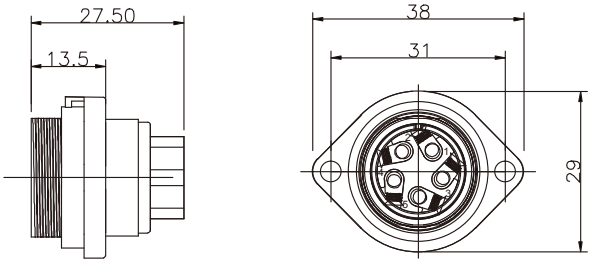
Pin Array and Specification

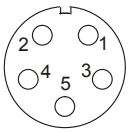


Number of contacts	5
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11
Wire size for screw ceimp mm²/AWG	<1.5/15

Part Number: INT13-FP2113/S053L FP21 Series 2-hole Flange Receptacle, 5 Pins

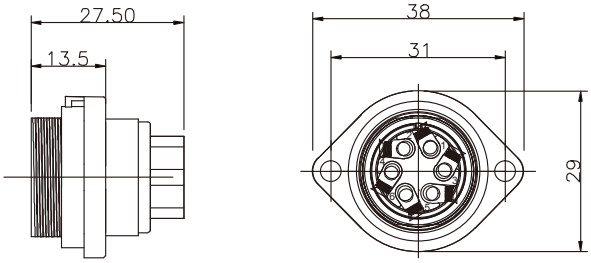
Pin Array and Specification

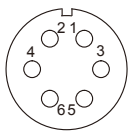


Number of contacts	5
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8*5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-FP2113/S06L FP21 Series 2-hole Flange Receptacle, 6 Pins

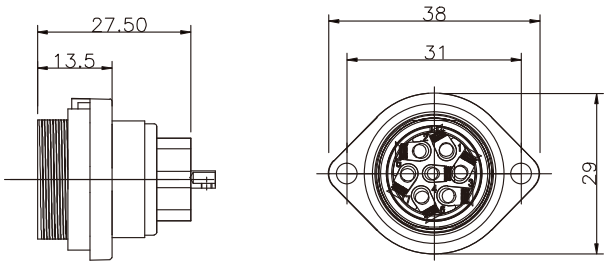
Pin Array and spec specification

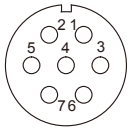


Number of contacts	6
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8*6
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-FP2113/S07L FP21 Series 2-hole Flange Receptacle, 7 Pins

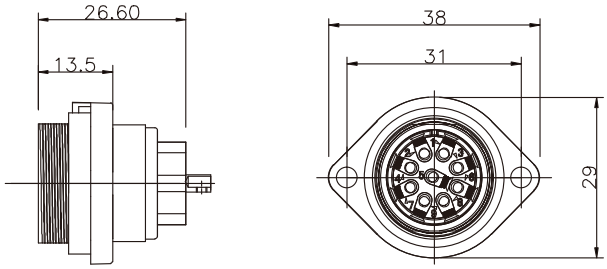
Pin Array and Specification

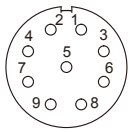


Number of contacts	7
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8*7
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-FP2113/S09L FP21 Series 2-hole Flange Receptacle, 9 Pins

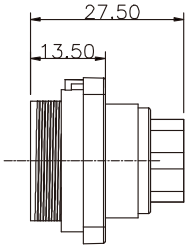
Pin Array and Specification

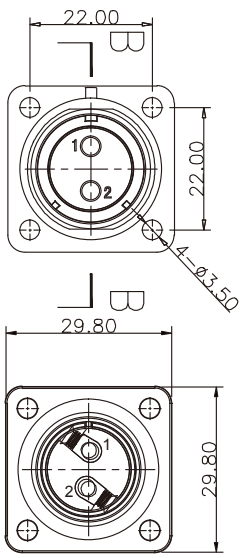


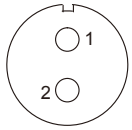
Number of contacts	9
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0*9
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm² /AWG	<0.785/18

Part Number: INT13-FP2114/S02L FP21 Series 4-hole Flange Receptacle, 2 Pins

Pin Array and spec specification

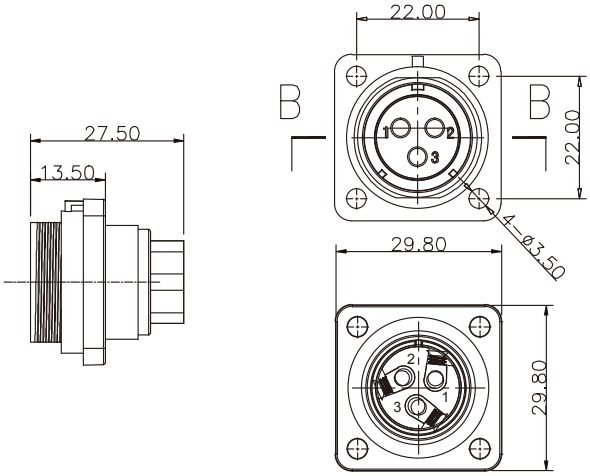


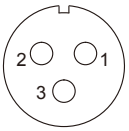


Number of contacts	2
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*2
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11
Wire size for screw ceimp mm²/AWG	<1.5/15

Part Number: INT13-FP2114/S03L FP21 Series 4-hole Flange Receptacle, 3 Pins

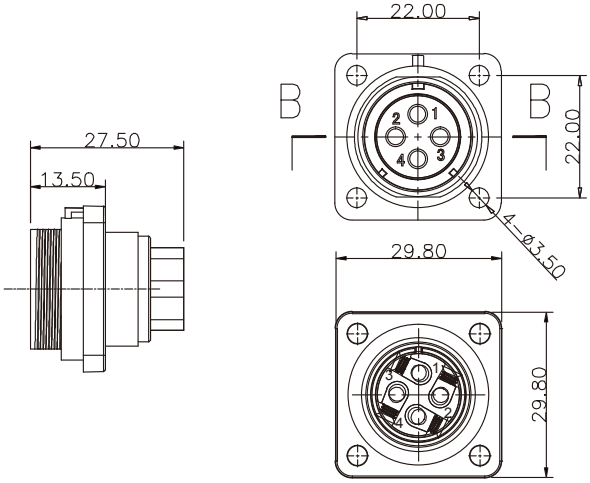
Pin Array and Specification

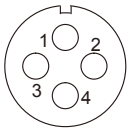


Number of contacts	3
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*3
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11
Wire size for screw ceimp mm²/AWG	<1.5/15

Part Number: INT13-FP2114/S04L FP21 Series 4-hole Flange Receptacle, 4 Pins

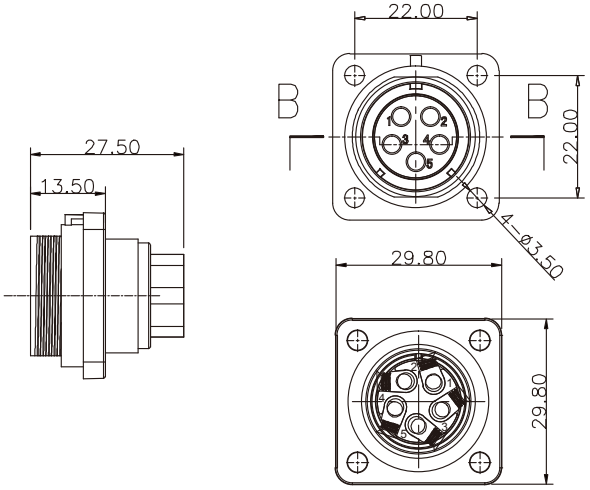
Pin Array and Specification

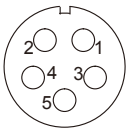


Number of contacts	4
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*3
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11
Wire size for screw ceimp mm²/AWG	<1.5/15

Part Number: INT13-FP2114/S051L FP21 Series 4-hole Flange Receptacle, 5 Pins

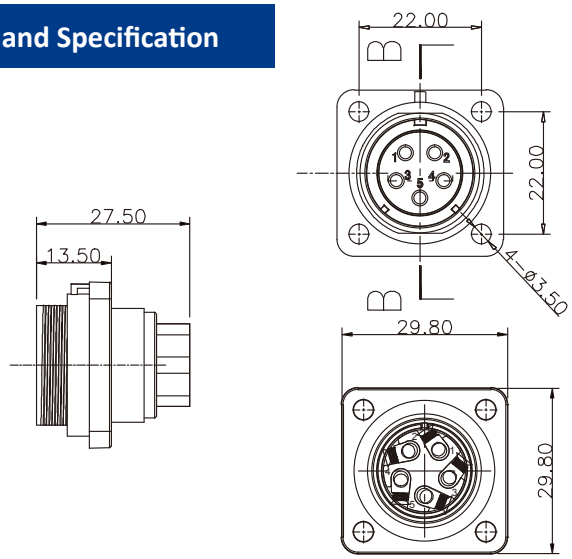
Pin Array and spec specification

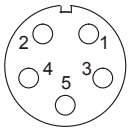


Number of contacts	5
Male contact face view	
Rated current (A)	30A
Contact diameter	2.8*5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	1MΩ
Wire size solder mm² /AWG	<4.17/11
Wire size for screw ceimp mm²/AWG	<1.5/15

Part Number: INT13-FP2114/S053L FP21 Series 4-hole Flange Receptacle, 5 Pins

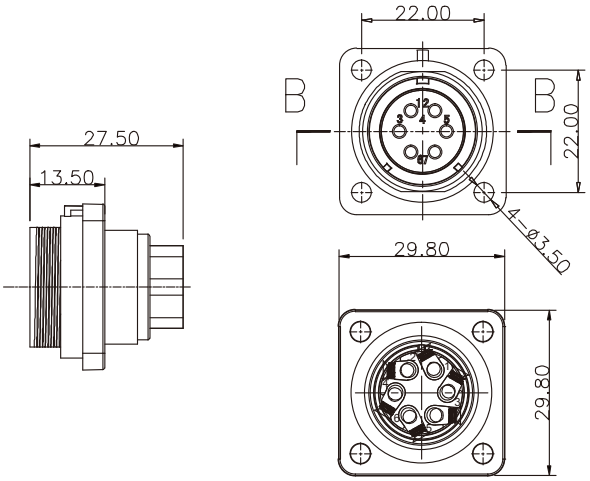
Pin Array and Specification

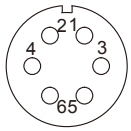


Number of contacts	5
Male contact face view	
Rated current (A)	1A
Contact diameter	1.8*5
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Part Number: INT13-FP2114/S06L FP21 Series 4-hole Flange Receptacle, 6 Pins

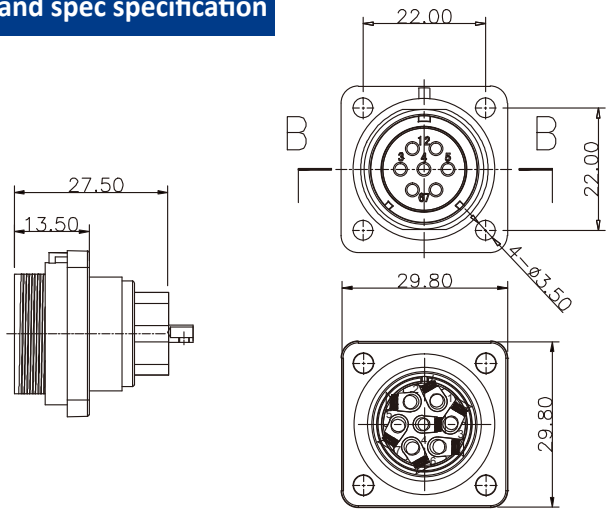
Pin Array and Specification

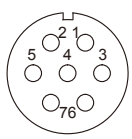


Number of contacts	6
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8*6
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

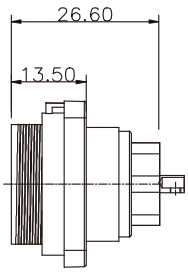
art Number: INT13-FP2114/S07L FP21 Series 4-hole Flange Receptacle, 7 Pins

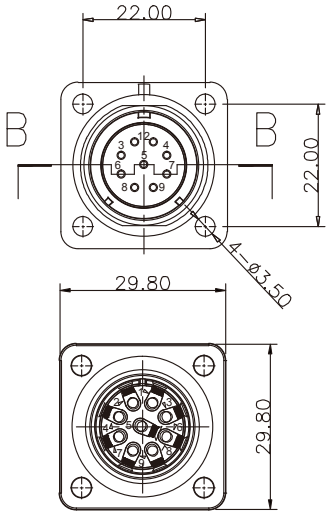
Pin Array and spec specification

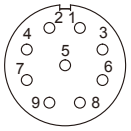


Number of contacts	7
Male contact face view	
Rated current (A)	15A
Contact diameter	1.8 * 7
Contact	Solder/Crimp
Rated voltage (AC. V)	500V
Test voltage (AC. V) 1 min	1500V
Contact resistance	2.5MΩ
Wire size solder mm² /AWG	<2/14

Pin Array and Specification





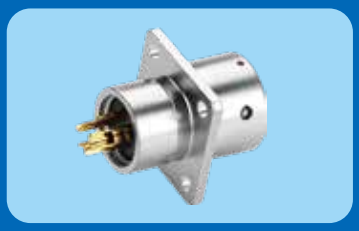
Number of contacts	9
Male contact face view	
Rated current (A)	5A
Contact diameter	1.0 * 9
Contact	Solder
Rated voltage (AC. V)	400V
Test voltage (AC. V) 1 min	1500V
Contact resistance	5MΩ
Wire size solder mm^2 /AWG	<0.785/18

INTE AUTO

PRODUCT CATALOGUE

Waterproof Connectors

INT13-WF Series Push Pull Connectors



WF Series Push Pull Fast Locking Connector

Product Introduction

WF series aviation plug has the characteristics of high temperature resistance, water resistance, dust resistance, etc., They can work stably in harsh environments. With multi-size and multi-core options, it can be directly installed on the panel, compact and beautiful, and the connection form is push-in steel ball lock, quick and easy to insert and removal.

Application

This connector is mainly used in avionics equipment, such as airplanes, helicopters, aircraft and so on. They can be used to connect various electronic devices such as radars, communications equipment, navigators, flight controllers, etc.

Navigator

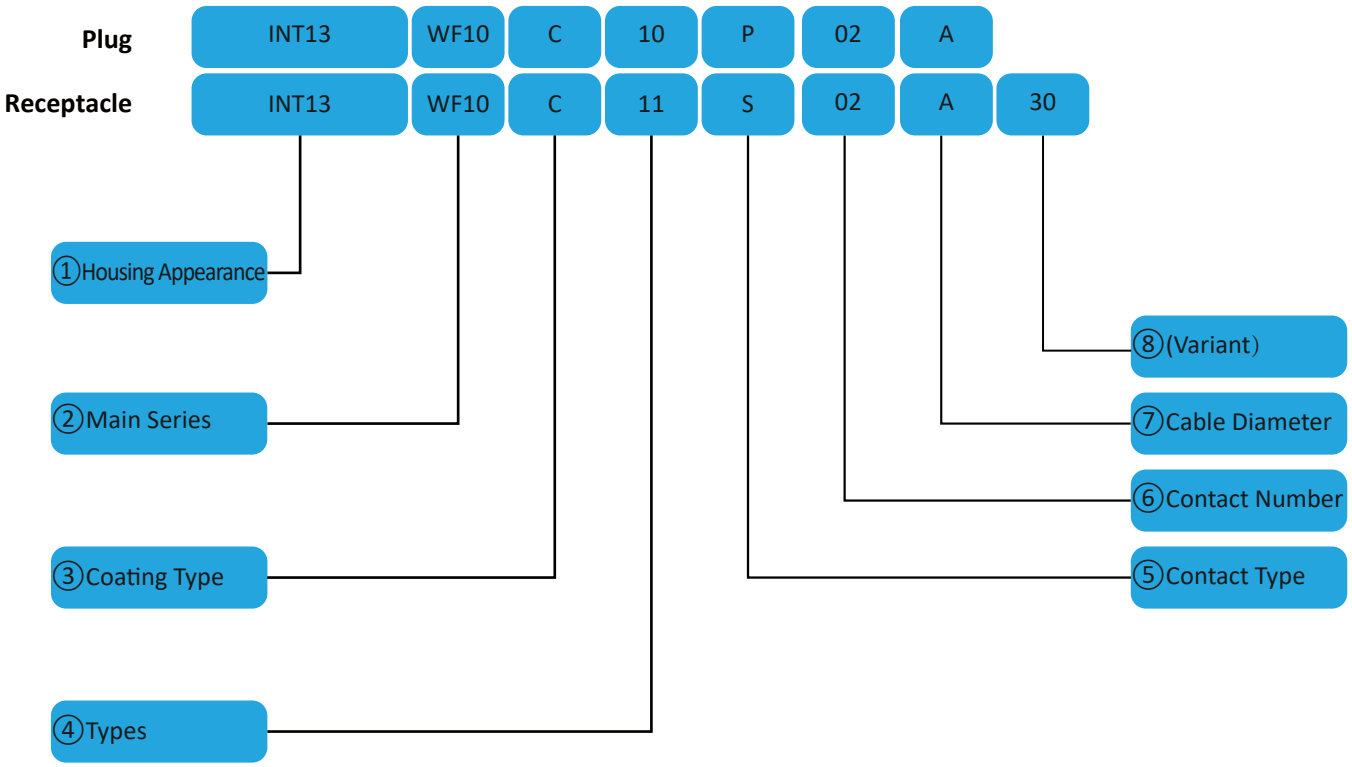
Flight Controller

Radar

Product Feature and Performance Details

Connector Type	Push Pull Fast Locking
Outer Shell Material	Brass Plated Chrome
Insulator	Thermoplastic PPS, high Temp. resistance 260°C
Configuration	Brass (gold plated)
Contact Type	Solder
Cable Diameter	INT13-WF6： 2-3mm, II 3-4mm(nonstandard) INT13-WF10： 3-4mm, II 4-6.5mm(nonstandard) INT13-WF12： 4-6.5mm(nonstandard), II 5-8mm
IP Rating	IP67
Enduranc	500
Temperature Range	-40°C~+85°C
Insulation Resistance	2000MΩ

Part Numbering System



*Note :

① Appearance: ITN12, INT13..... indicate different appearance of connection rings

② Main series of the product: INT13-WF6, INT13-WF10, INT13-WF12.....

③ Coating type: C = Pearl chrome, S = Black chrome

④ Types: 10 = Plug, 11 = Cable mounted receptacle, 12 = Rear nut receptacle, 13 = Square flange receptacle, 14 = Right angle plug.....

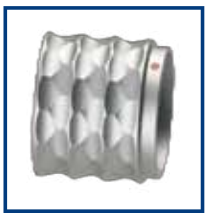
⑤ Contact Type: P =Solder male pins, S = Solder female pins, N = PCB female contacts, D = PCB male contacts

⑥ Qty of pins: 02 = 2 pins, 03 = 3 pins .....

⑦ Cable clamp size: INT13-WF6: A = 3 - 4mm, INT13-WF10: 4 - 6.5mm, INT13-WF12: A = 4 - 6.5mm, B = 5 - 8mm

⑧ Variant: 30 indicates that the contacts are 3mm above the end face of the shell

Appearance : INT12 and INT13 appearances can be matched in the case of the same series size.



INT12

INT13

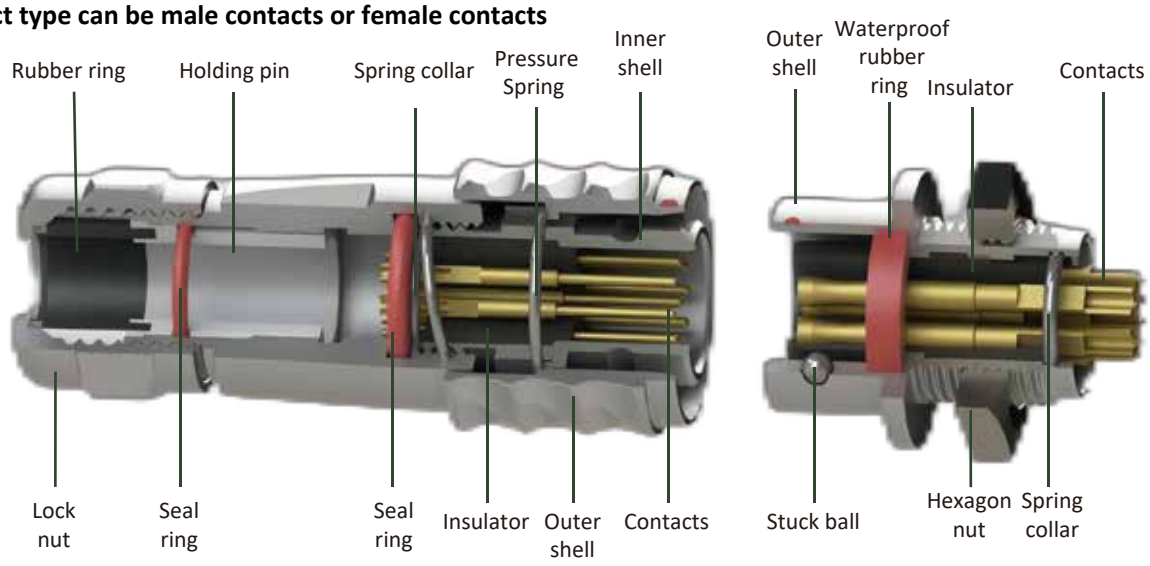
For example

INT13-WF10C10P02A: WF10 series 2 pins plug, pearl chrome, male solder contacts, cable outer diameter range A: 4 – 6.5mm

INT13-WF10C11S02A: WF10 series 2 pins cable mounted receptacle, pearl chrome, female solder contacts, cable outer diameter range A: 4 – 6.5mm

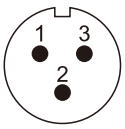
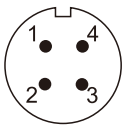
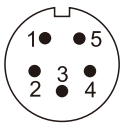
Part Section Showing Internal Components

***The contact type can be male contacts or female contacts**



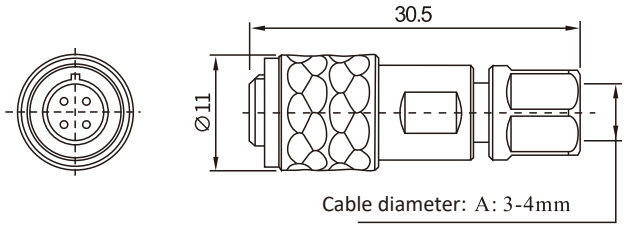
INT13-WF6 Series

INT13-WF6 Series Technical Characteristics

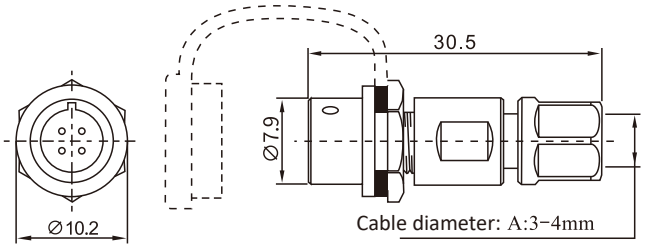
Number of Pins	2	3	4	5
Male Insulator Front View				
Rated Current(A)	3	3	3	3
Contact Diameter（mm）	ϕ0.6 2	ϕ0.6 3	ϕ0.6 5	ϕ0.6 5
Working Voltage（AC.V）	30	30	30	30
Withstand Voltage（AC.V）	500	500	500	500
Contact Resistance（mΩ）	10	10	10	10
Wire Guage（mm²/AWG）	≤0.5/20	≤0.5/20	≤0.5/20	≤0.5/20

INT13-WF6 Series

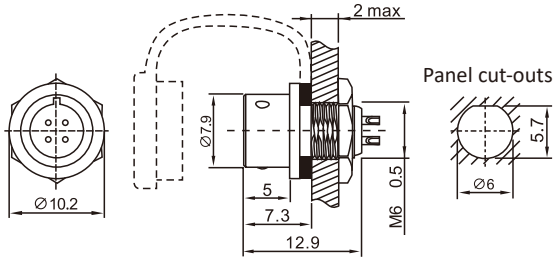
INT13-WF6C10 Plug



INT13-WF6C11 Cable mounted receptacle

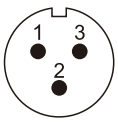
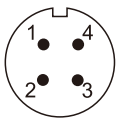
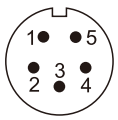


INT13-WF6C12 Panel mounted receptacle



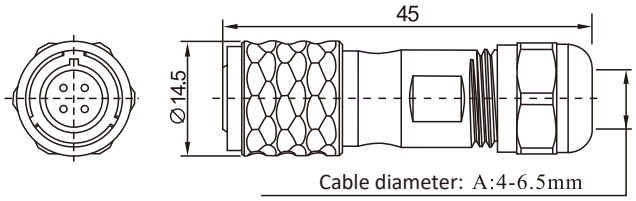
INT13-WF10 Series

INT13-WF10 Series Technical Characteristics

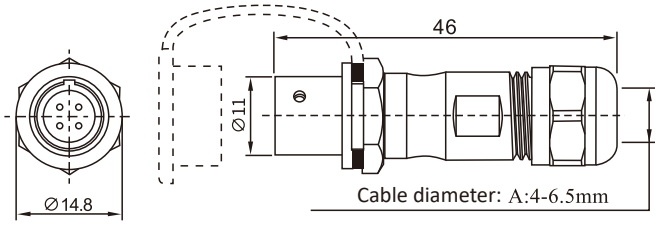
Number of Pins	2	3	4	5
Male Insulator Front View				
Rated Current(A)	5	5	5	5
Contact Diameter（mm）	ϕ1x2	ϕ1x3	ϕ0.7x4	ϕ0.7x5
Working Voltage（AC.V）	180	180	125	125
Withstand Voltage（AC.V）	1000	1000	1000	1000
Contact Resistance（mΩ）	5	5	10	10
Wire Guage（mm²/AWG）	≤0.75/18	≤0.75/18	≤0.5/20	≤0.5/20

INT13-WF10 Series

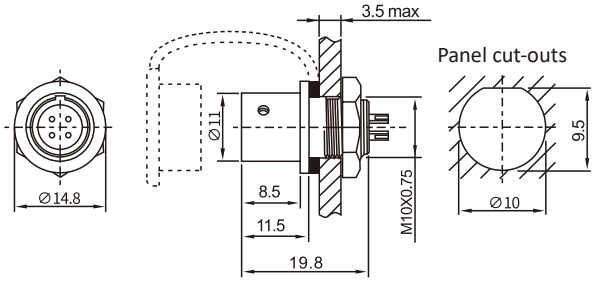
INT13-WF10C10 Plug



INT13-WF10C11 Cable Mounted Receptacle

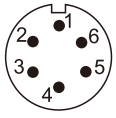
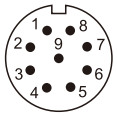


INT13-WF10C12 Panel Mounted Receptacle

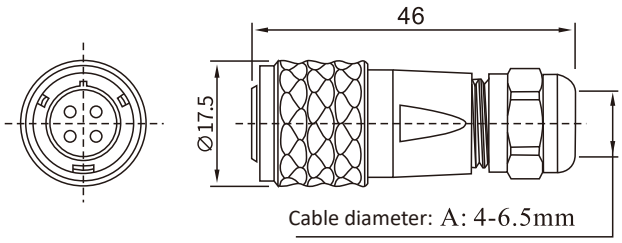


INT13-WF12 Series

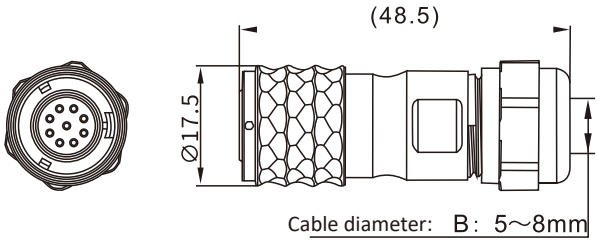
INT13-WF12 Series Technical Characteristics

Number of Pins	2	3	4	5	6	7	9
Male Insulator Front View							
Rated Current(A)	13	13	5	5	5	5	5
Contact Diameter（mm）	ϕ1.6x2	ϕ1.6x3	ϕ1x4	ϕ1x5	ϕ1x6	ϕ1x7	ϕ0.7x9
Working Voltage（AC.V）	250	250	200	180	125	125	125
Withstand Voltage（AC.V）	1500	1500	1500	1000	1000	1000	1000
Contact Resistance（mΩ）	2.5	2.5	5	5	5	5	10
Wire Guage（mm²/AWG）	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.5/20

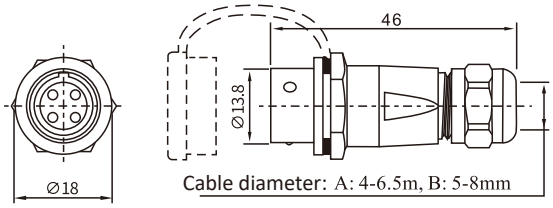
INT13-WF12C10-PXXA Plug



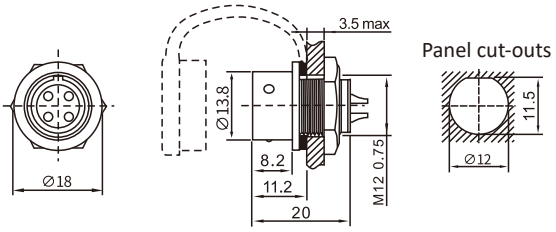
INT13-WF12C10-PXXB Plug



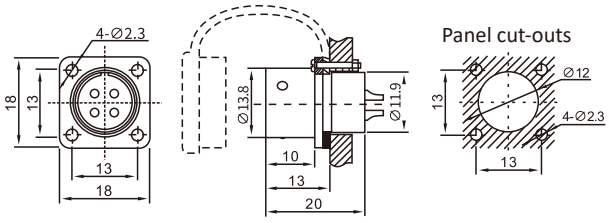
INT13-WF12C11 Cable Mounted Receptacle



INT13-WF12C12 Panel Mounted Receptacle



INT13-WF12C13 Panel Mounted Receptacle



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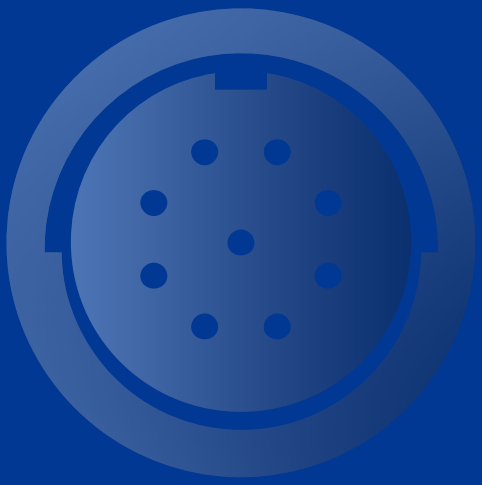
PRODUCT **CATALOGUE**
Waterproof Connectors



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