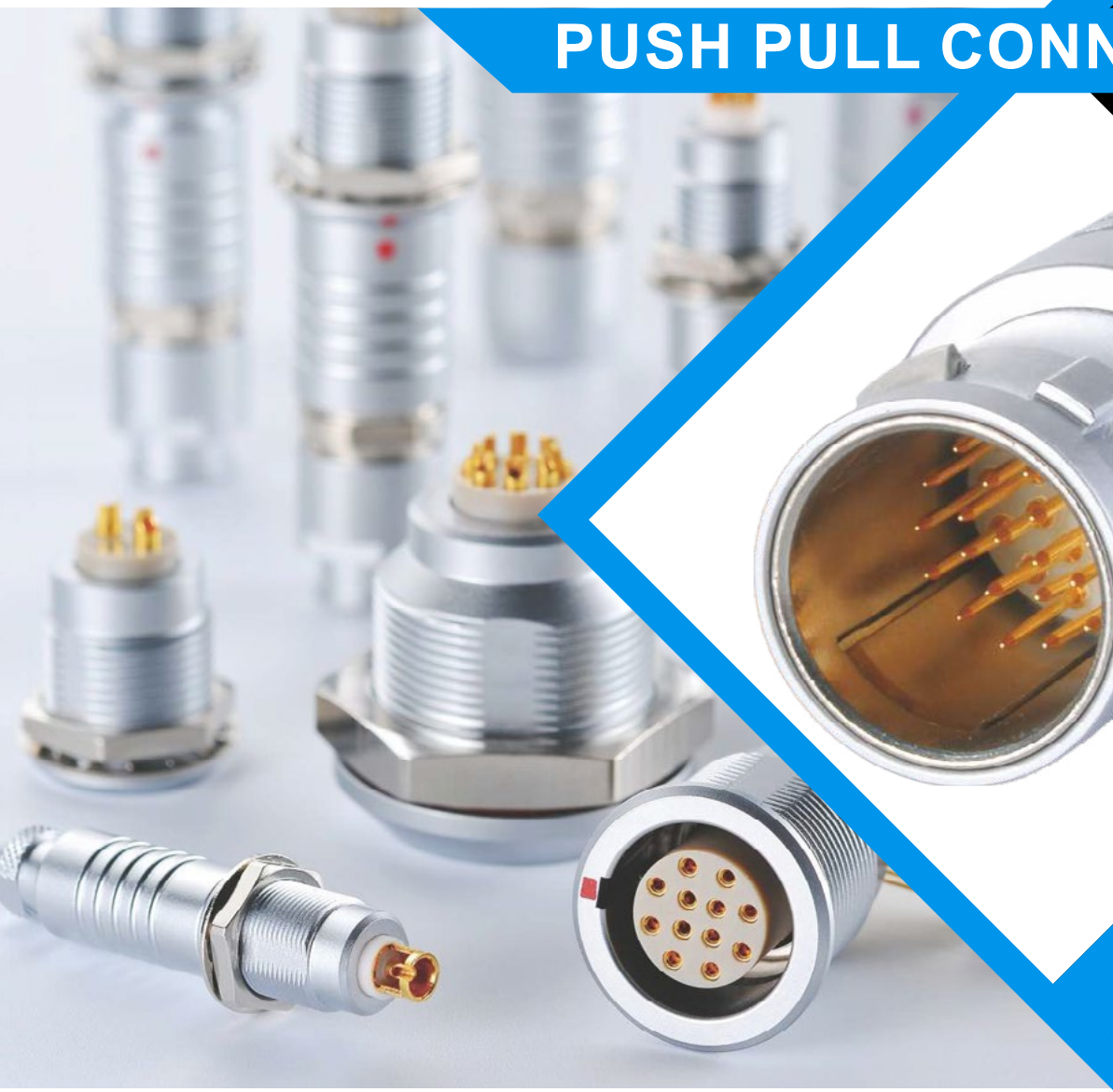
MilSpecWest

THE VERY BEST IN MICRO INTERCONNECT PRODUCTS

PUSH PULL CONNECTORS







Quality Push-Pull Connectors
Designed for Reliability

(888) 428-2188 www.milspecwest.com

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PUSH-PULL CONNECTOR INTRODUCTION

Push-Pull connectors integrate the push lock mechanism together with audible and tactile feedback and Milspecwest's Push-Pull Series connectors are the ideal mating solution for fast and easy operation in medical and industrial applications. These products are particularly suitable for high reliability and high quality applications where a simple yet fast method to connect/disconnect is required, and are also suitable for high endurance and ease of operation in very limited spaces.

TECHNICAL FEATURES AT A GLANCE

- Fast and easy to use
- Field installable and free assembled versions
- Wire gauges range from 30 AWG to 12AWG.
- Audible and tactile feedback
- Mechanically keyed: ensures correct polarization and alignment.
- Thousands of mating/unmating endurance
- Contact layouts from 2 to 32 contacts.
- PCB or right angle PCB contacts.
- Space saving
- Excellent performance under harsh environmental conditions in both high temperature and high humidity.
- Robust housings
- 360° electromagnetic shielding
- Fire and smoke compliance
- Environmental level IP67
- Solder and crimp contacts available
- RoHS conformity

MilSpecWest
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APPLICATION

Push-Pull Connector
Designed for Quick and Stable Installation

Milspecwest truly understands the cost, time and quality associated with the installation and integration design of our Push Pull connectors. Our customized solutions and one-stop services will help you reach your objectives by reducing the installation time of cables and wires by 20% to 80%, and lowering design/field assembly labor costs for numerous application fields: Sensors & Industrial Automation Control, Telecommunications & Network, HVAC & Refrigeration, LED Lighting, Railway Transportation System, Marine & Ship Engineering, Medical Devices, Renewable Energy, Measuring & Testing and more.


Medical Industry


Broadcast System


Aerospace and Drone


Measuring & Testing


Railway Transportation System

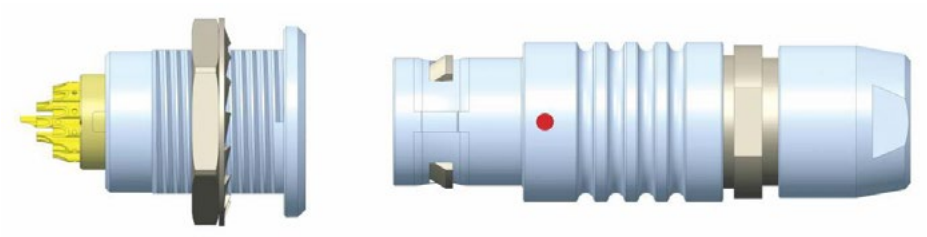

Industrial Automation

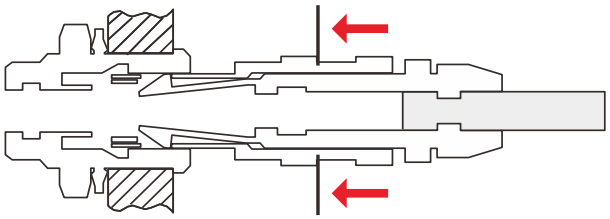

Military and Security


Telecommunication System

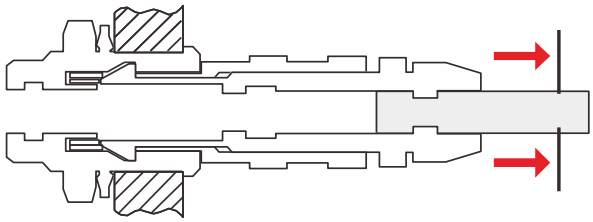

Automotive

PUSH-PULL SELF-LATCHING CONNECTION SYSTEM

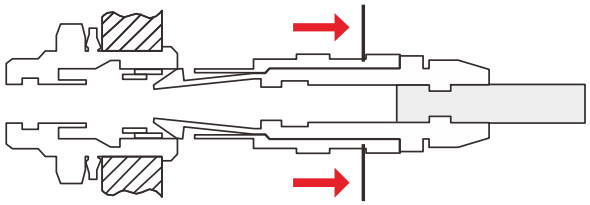




The self-latching system allows the connector to be mated by simply pushing the plug axially into the socket.



Once firmly latched, connection cannot be broken by pulling on the cable or any other component other than the outer release sleeve.

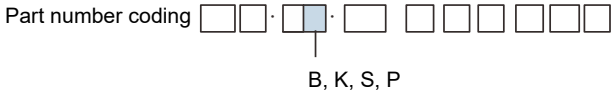


When required, the connector is disengaged by a single axial pull on the outer release sleeve. It firstly disengages the latches and then withdraws the plug from the socket.

3 STEPS TO SELECT THE RIGHT CONNECTOR

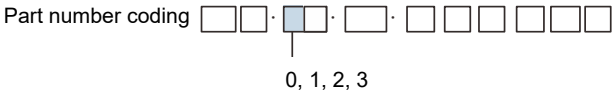
Step 1 Select Connector Series

Select the appropriate Milspecwest connector series according to the environmental parameters that will affect your device or cable such as indoor, outdoor, temperature range, ingress protection of the mated connector and of your device.



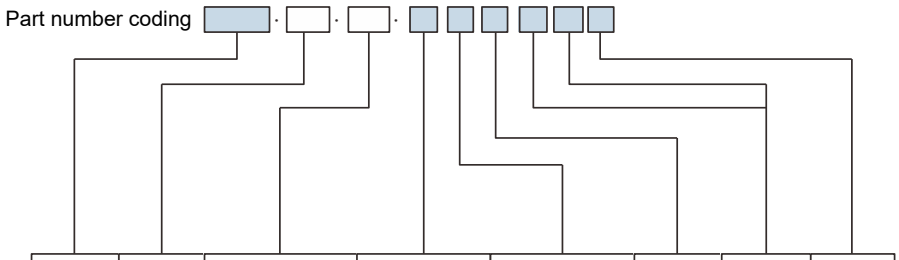
Step 2 Select Connector Size

Use the section (mm2) or the AWG of your cable wire to select the optimal contact diameter (values vary between solder, crimp or print contact).
Use this optimal contact diameter to determine the right connector size as well as the insert configuration.



Step 3 Complete the Part Number

Now that you know the series, as well as the insulator configuration, complete the part numbering system with the help of the following table.



	Model	Series	Insert Configuration	Housing Material	Insulator Material	Contact	Collet	Variant
B Series	13	13	27	31	31	32	33	49
K Series	25	25	27	31	31	32	33	49
S Series	37	37	36	36	36	36	37	
P Series	41	41	45	47	47	47	40	49

Note: Figures in the above table refer to the catalog pages.

STEP 1: SELECT CONNECTOR SERIES

The Metal Housing Standard Keyed Series (B)

The characteristic feature of these connector series is a keying system which allows higher contact density and prevents all errors in alignment. The various keying alternatives prevent unwanted cross mating of otherwise similar connectors. These connector series include the 00 to 3B range

The Metal Housing Waterproof Keyed Series (K)

These series are waterproof when mated and assembled to an appropriate cable. They include the 0K to 3K series, available in the same types as the 00 to 3B series.

The Metal Housing Standard Series (S)

The characteristic feature of these connector series is the PTFE insulator in the coaxial triaxial version. They include principally the 0S to 1S series.

The Plastic Housing Series (P)

The material of these series is plastic, including standard version and waterproof version when mated. They include the 1P to 2P series.

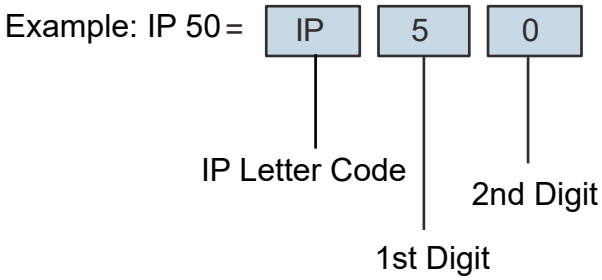


Series	00/B	K	S	P
Environment	Indoor	Outdoor or Harsh Env	Indoor	Indoor or Outdoor
Ingress protection when mated	IP50	IP66 to IP68	IP50	IP50 to IP66
Temperature range	-55 to + 200 C	-55 to +200 C	- 50 to +250C	-50 to +150 C
Latching	Push-Pull Self Latching	Push-Pull Self Latching	Push-Pull Self Latching	Push-Pull Self Latching
Shell sizes	5	4	2	2
Insulator type	Multipole	Multipole	Coaxial	Multipole
Contact type	Solder, crimp or PCB	Solder, crimp or PCB	Solder	Solder, crimp or PCB
Pages	11-21	23-26	36-38	40-47

Ingress Protection

Definition of Ingress Protection (IP Code)

IEC 60529 outlines an international classification system for the sealing effectiveness of enclosures of electrical equipment against the intrusion into the equipment of foreign bodies (i.e. tools, dust, fingers) and moisture. This classification system utilizes the letters «IP» (Ingress Protection) followed by two digits.



Degrees of Protection - First Digit

The first digit of the IP code indicates the degree to which persons are protected against contact with moving parts and the degree that equipment is protected against solid foreign bodies intruding into an enclosure.

Code	First digit description
0	No special protection
1	Protection from a large part of the body such as hand or from solid objects greater than 50 mm in diameter
2	Protection against objects not greater than 80 mm in length or 12mm in diameter
3	Protection from entry by tools, wires, etc., with a diameter or thickness greater than 2.5 mm
4	Protection from entry by solid objects with a diameter or thickness greater than 1.0 mm
5	Protection from the amount of dust that would interfere with the operation of the equipment
6	Dust-tight

Degrees of Protection - Second Digit

The second digit indicates the degree of protection of the equipment inside the enclosure against the harmful entry of various forms of moisture (e.g. dripping, spraying, submersion, etc.)

Code	Second digit description
0	No special protection
1	Protection from vertically dripping water
2	Protection from dripping water when tilted up to 15 ^{o}
3	Protection from sprayed water
4	Protection from splashed water
5	Protection from water projected from a nozzle
6	Protection against heavy seas, or powerful jets of water
7	Protection against temporary immersion
8	Protection against complete continuous submersion in water

STEP 2: SELECT CONNECTOR SIZE

Select the Right Connector Size and Insert Configuration

To be able to select the right connector size (0 to 3), it is important to define the contact diameter (ø A).

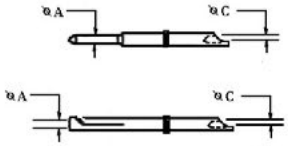
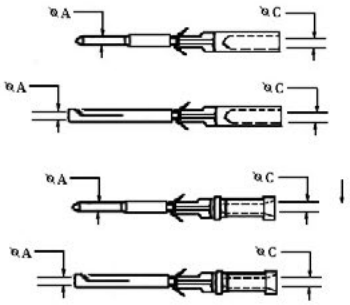
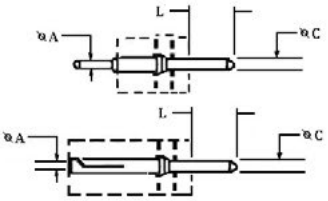
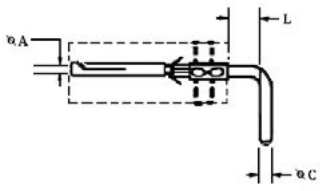
Find out the available contact diameter (ø A) of the connector depending on the number of contacts required and depending on the rating required.

The following table shows the contact diameter (ø A)

Number of Contacts	Insert Configuration	Series								
										
		00	0B-0K	1B-1K	2B-2K	3B-3K	0S	1S	1P	2P
Triaxial Coaxial										
1	**650**						0.9	0.9		
Multipole										
2	**302**	0.5	0.9	1.3	2.0	3.0			1.3	2.0
3	**303**	0.5	0.9	1.3	1.6	2.0				1.6
4	**304**	0.5	0.7	0.9	1.3	2.0			0.9	1.3
5	**305**	0.35	0.7	0.9	1.3	1.6			0.9	1.3
6	**306**		0.5	0.7	1.3	1.6			0.7	1.3
7	**307**		0.5	0.7	1.3	1.6			0.7	1.3
8	**308**			0.7	0.9	1.3			0.7	0.9
9	**309**		0.5			1.3/2.0			0.5	
10	**310**			0.5	0.9	1.3			0.5	0.9
12	**312**		0.35		0.7	0.9				0.7
14	**314**			0.5	0.7	0.9			0.5	
16	**316**			0.5	0.7	0.9				0.7
18	**318**				0.7	0.9				
19	**319**				0.7					0.7
20	**320**					0.7				
22	**322**					0.7				
24	**324**					0.7				
26	**326**				0.5	0.7				0.5
30	**330**					0.7				
32	**332**				0.5					

SELECT CONTACT SIZE & STYLE

Verify if the selected contact diameter (ø A) of the connector fits to your cable wire diameter (AWG number or max. available section).

Contact Type	Contact Solid			Conductor						Fr1) (N)
				Stranded						
	ø A (mm)	ø C (mm)	Form Per Fig	AWG max	Section-Max (mm)	AWG min	AWG max	Section(mm) min	Section(mm) max	
Solder 	0.50	0.4	-	28	0.09	-	30	-	0.05	-
	0.50	0.5	-	28	0.09	-	28	-	0.09	-
	0.70	0.6	-	24	0.25	-	26	-	0.14	-
	0.7	0.8	-	22	0.34	-	22	-	0.34	-
	0.9	0.8	-	22	0.34	-	22	-	0.34	-
	1.3	1.0	-	20	0.50	-	20	-	0.50	-
	1.6	1.4	-	16	1.00	-	18	-	1.00	-
	2.0	1.8	-	14	1.50	-	16	-	1.50	-
	3.0	2.7	-	10	4.00	-	12	-	4.00	-
Crimp 	0.5	0.45	1	-	-	32	28	0.035	0.09	12
	0.7	0.80	1	-	-	26	22	0.140	0.34	22
	0.7	0.45	2	-	-	32	28	0.035	0.09	22
	0.9	1.10	1	-	-	24	20	0.250	0.50	30
	0.9	0.80	2	-	-	26	22	0.140	0.34	30
	0.9	0.45	2	-	-	32	28	0.035	0.09	30
	1.3	1.40	1	-	-	20	18	0.500	1.00	40
	1.3	1.10	2	-	-	24	20	0.250	0.50	40
	1.3	0.80	2	-	-	26	22	0.140	0.34	40
	1.6	1.90	1	-	-	18	14	1.000	1.50	50
	1.6	1.40	2	-	-	22	18	0.340	1.00	50
	2.0	2.40	1	-	-	16	12	1.500	2.50	65
	2.0	1.90	2	-	-	18	14	1.000	1.50	65
	3.0	2.90	1	-	-	14	10	2.500	4.00	75
PCB 	L dimensions and C are detailed in the section in PCB drilling pattern									
PCB (Elbow) 	L dimensions and C are detailed in the section in PCB drilling pattern									

VERIFY CABLE SIZE

Verify if the selected connector size fits to your cable diameter.

B Series

Series	Cable diameter range (mm)			
	Collet		Cable for fitting a bend relief	
	Min.	Max.	Min.	max.
00	1.1	3.4	1.1	3.4
0B	1.5	5.5	1.5	5.0
1B	2.2	7.5	2.2	7.0
2B	1.5	9.7	1.5	9.0
3B	4.1	11.7	4.1	11.0

K Series

Series	Cable diameter range (mm)			
	Collet		Cable for fitting a bend relief	
	Min.	Max.	Min.	max.
0K	1.0	5.0	1.0	5.0
1K	1.3	8.5	1.3	8.5
2K	1.3	10.5	1.3	10.5
3K	2.6	15.0	2.6	15.0

S Series

Series	Cable diameter range (mm)			
	Collet		Cable for fitting a bend relief	
	Min.	Max.	Min.	max.
0S	1.3	4.3	1.3	4.3
1S	1.3	6.0	1.3	6.0

P Series

Series	Cable diameter range (mm)			
	Collet		Cable for fitting a bend relief	
	Min.	Max.	Min.	max.
1P	1.7	6.5	1.7	6.5
2P	3.2	9.2	3.2	9.0



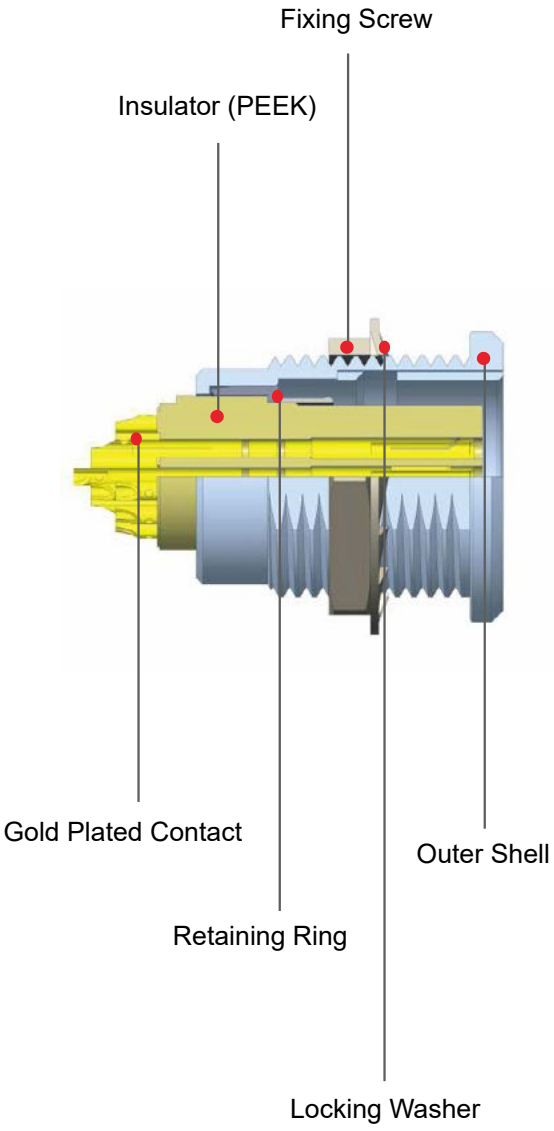
B SERIES *(Indoor, Keyed)*



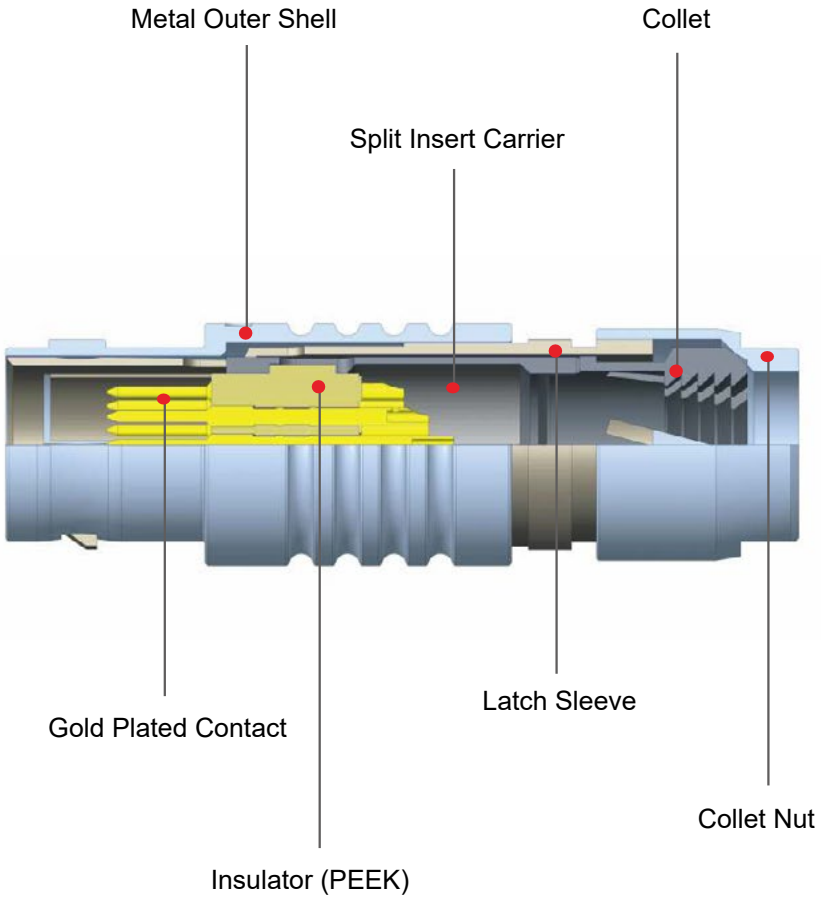
PART SECTION SHOWING INTERNAL COMPONENTS

B SERIES

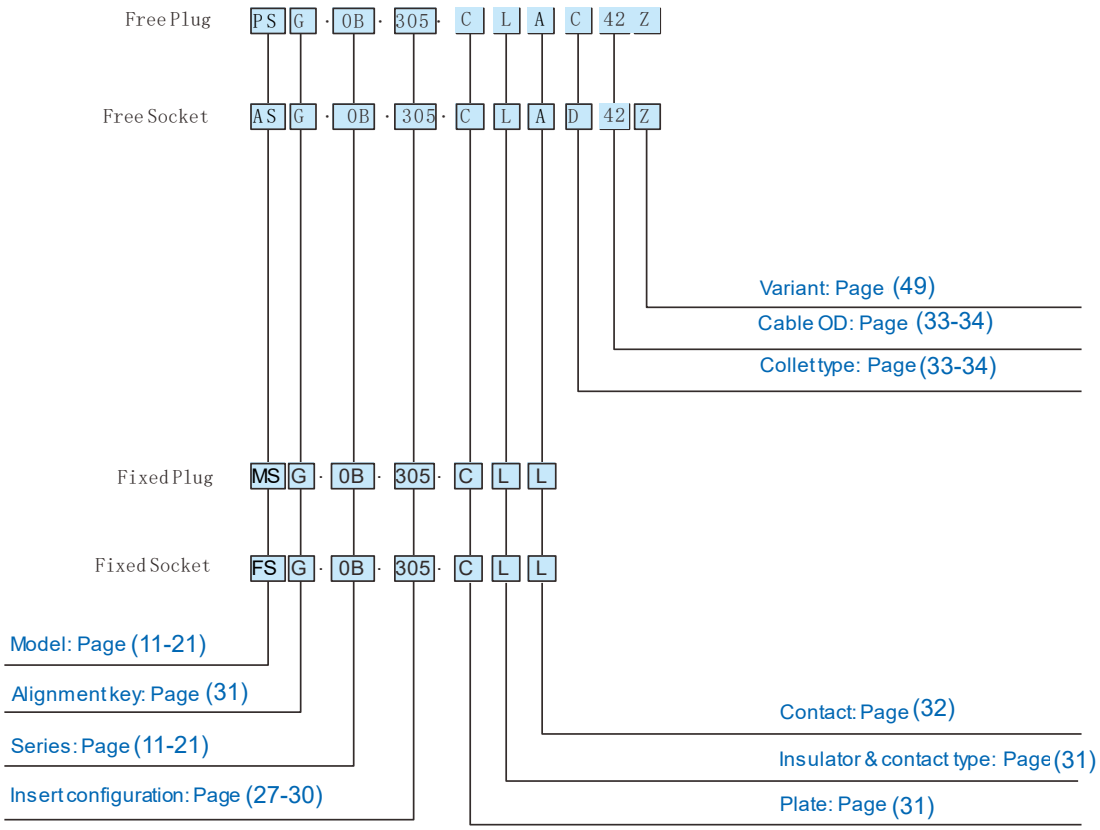
Fixed Socket



Straight Plug



PART NUMBER DEFINITION



Part Number Example

Straight Plug with Cable Collet:

PSG.0B.305.CLAD42=straight plug with key(G) and cable collet,0B Series, multipole type with 5 contacts, outershell in chrome- plated brass, PEEK insulator male solder contacts, D type collet for 4.0mm diameter cable.

Straight Plug with Cable Collet:

ASG.0B.305.CLLD42Z=free socket with key(G) and cable collet,0B series, multipole type with 5 contacts, outershell in chrome-plated brass, PEEK insulator, female solder contacts, D type collet for 4.0mm diameter cable and nut for fitting a bend relief.

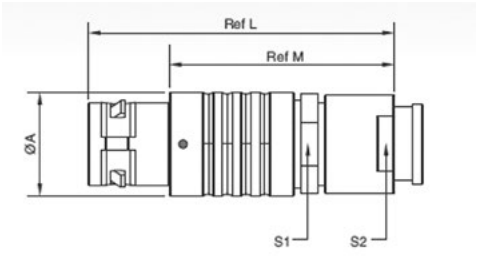
Fixed Socket:

FSG.0B.305.CYM=fixed socket, nut fixing, with key(G),0B series, multipole type with 5 contacts, outershell Ichrome-plated brass, PEEK insulator, female crimp contacts.

B SERIES, PSG MALE STRAIGHT - SR

- Connector series: PSG
- Gender: Male
- Coding: G
- Locking type: Self-locking
- Orientation type: Straight
- Part No.: PSG.XB.XXX.XXXXXXZ
- Mated with: FSG/FAG/SFG/SRG/SEG/ FBG/PRG/ASG series

"X" refers to part number definition





General Information

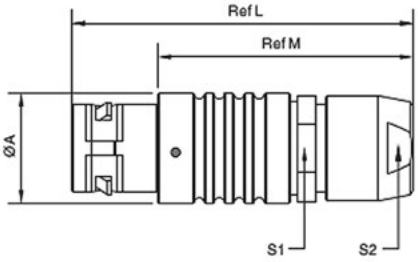
Size	Dimensions (mm)				
	A	L	M	S1	S2
00	6.4	36.5	28.5	5.5	5
0B	9.5	35	25	8	7
1B	12	42	31	10	9
2B	15	49	37	13	12
3B	18	56.5	41.5	15	14

Ambient temperature:	- 55 C to + 200 C
Connector insert:	PEEK
Connector contacts:	Bronze, Gold Plated
Coupling nut/screw:	Brass, Nickel Plated
Connector body:	Brass, Cr Plated
Insulation resistance:	≥ 100 M Ω
IP rating	IP50

B SERIES, PSG MALE STRAIGHT

- Connector series: PSG
- Gender: Male
- Coding: G
- Locking type: Self-locking
- Orientation type: Straight
- Part No.: PSG.XB.XXX.XXXXXX
- Mated with: FSG/FAG/SFG/SRG/SEG/ FBG/PRG/ASG series

"X" refers to part number definition





General Information

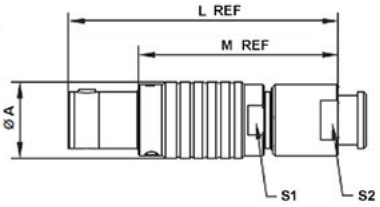
Size	Dimensions (mm)				
	A	L	M	S1	S2
00	6.4	28.5	20.5	5.5	5
0B	9.5	36	26	8	7
1B	12	43	32	10	9
2B	15	50	38	13	12
3B	18	58	43	15	14

Ambient temperature:	- 55 C to + 200 C
Connector insert:	PEEK
Connector contacts:	Bronze, Gold Plated
Coupling nut/screw:	Brass, Nickel Plated
Connector body:	Brass, Cr Plated
Insulation resistance:	≥ 100 M Ω
IP rating	IP50

B SERIES, PLG MALE STRAIGHT - SR

- Connector series: PSG
- Gender: Male
- Coding: G
- Locking type: Self-locking
- Orientation type: Straight
- Part No.: PLG.XB.XXX.XXXXXXZ
- Mated with: FSG/FAG/SFG/SRG/SEG/ FBG/PRG/ASG series

"X" refers to part number definition





General Information

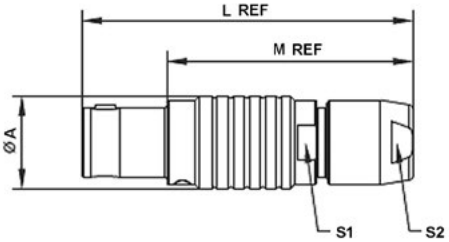
Size	Dimensions (mm)				
	A	L	M	S1	S2
0B	9.5	35	25	8	7
1B	12.0	42	31	10	9
2B	15.0	49	37	13	12
3B	18.0	56.5	41.5	15	14

Ambient temperature:	- 55 C to + 200 C
Connector insert:	PEEK
Connector contacts:	Bronze, Gold Plated
Coupling nut/screw:	Brass, Nickel Plated
Connector body:	Brass, Cr Plated
Insulation resistance:	≥ 100 M Ω
IP rating	IP50

B SERIES, PLG MALE STRAIGHT

- Connector series: PSG
- Gender: Male
- Coding: G
- Locking type: Self-locking
- Orientation type: Straight
- Part No.: PLG.XB.XXX.XXXXXXX
- Mated with: FSG/FAG/SFG/SRG/SEG/ FBG/PRG/ASG series

"X" refers to part number definition





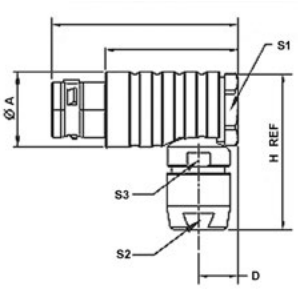
General Information

Size	Dimensions (mm)				
	A	L	M	S1	S2
0B	9.5	36	26	8	7
1B	12.0	43	32	10	9
2B	15.0	50	38	13	12
3B	18.0	58	43	15	14

Ambient temperature:	- 55 C to + 200 C
Connector insert:	PEEK
Connector contacts:	Bronze, Gold Plated
Coupling nut/screw:	Brass, Nickel Plated
Connector body:	Brass, Cr Plated
Insulation resistance:	≥ 100 M Ω
IP rating	IP50

B SERIES, PAG MALE ANGLED

- Connector series: PAG Gender: Male
- Coding: G
- Locking type: Self-locking
- Orientation type: Angled
- Part No.: PAG.XB.XXX.XXXXXX
- Mated with: FSG/FAG/SFG/SRG/SEG/ FBG/PRG/ASG series
  "X" refers to part number definition





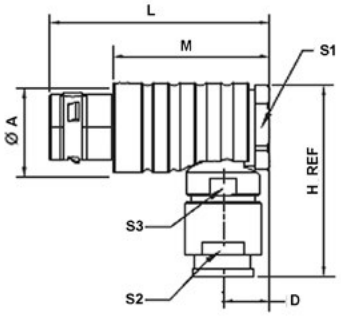
General Information

Size	Dimensions (mm)							
	A	D	H	L	M	S1	S2	S3
00	7.7	5.2	18.0	24.5	16.5	7	5	5.5
0B	11.0	6.5	26.0	31.6	21.6	10	7	8.0
1B	13.5	8.0	30.5	36.0	25.0	11	9	10.0
2B	16.5	9.0	34.0	41.5	29.5	14	12	13.0
3B	19.0	10.0	37.0	50.0	35.0	17	14	15.0

Ambient temperature:	- 55 C to + 200 C
Connector insert:	PEEK
Connector contacts:	Bronze, Gold Plated
Coupling nut/screw:	Brass, Nickel Plated
Connector body:	Brass, Cr Plated
Insulation resistance:	≥ 100 M Ω
IP rating	IP50

B SERIES, PAG MALE ANGLED - SR

- Connector series: PAG
- Gender: Male
- Coding: G
- Locking type: Self-locking
- Orientation type: Angled
- Part No.: PAG.XB.XXX.XXXXXXZ
- Mated with: FSG/FAG/SFG/SRG/SEG/ FBG/PRG/ASG series
  "X" refers to part number definition





General Information

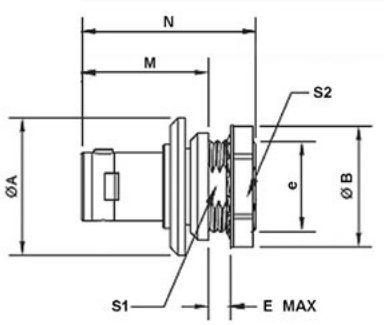
Size	Dimensions (mm)							
	A	D	H	L	M	S1	S2	S3
00	7.7	5.2	19.5	24.5	16.5	7	5	5.5
0B	11.0	6.5	28.0	31.6	21.6	10	7	8.0
1B	13.5	8.0	33.5	36.0	25.0	11	9	10.0
2B	16.5	9.0	38.5	41.5	29.5	14	12	13.0
3B	19.0	10.0	37.0	50.0	35.0	17	14	15.0

Ambient temperature:	- 55 C to + 200 C
Connector insert:	PEEK
Connector contacts:	Bronze, Gold Plated
Coupling nut/screw:	Brass, Nickel Plated
Connector body:	Brass, Cr Plated
Insulation resistance:	≥ 100 M Ω
IP rating	IP50

B SERIES, MSG MALE STRAIGHT

- Connector series: MSG Gender: Male
- Coding: G
- Locking type: Self-locking
- Orientation type: Straight
- Part No.: MSG.XB.XXX.XXX
- Mated with: FSG/FAG/SFG/SRG/SEG FBG/PRG/ASG series

  "X" refers to part number definition





General Information

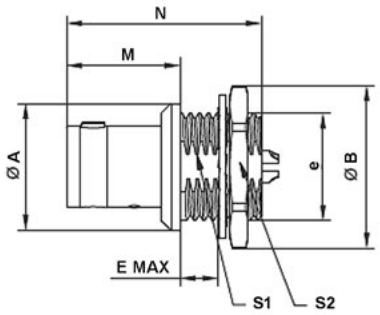
Size	Dimensions (mm)							
	A	B	e	E	M	N	S1	S2
0B	14.0	12.4	M9*0.6	1.8	14.5	19.5	8.2	11
1B	18.0	15.8	M12*1.0	2.9	17	24.8	10.5	14
2B	19.5	19.2	M15*1.0	4.1	18	27.3	13.5	17
3B	25.0	25.0	M18*1.0	4.2	23	31.5	16.5	22

Ambient temperature:	- 55 C to + 200 C
Connector insert:	PEEK
Connector contacts:	Bronze, Gold Plated
Coupling nut/screw:	Brass, Nickel Plated
Connector body:	Brass, Cr Plated
Insulation resistance:	≥ 100 M Ω
IP rating	IP50

B SERIES, PPG MALE STRAIGHT

- Connector series: PPG
- Gender: Male
- Coding: G
- Locking type: Self-locking
- Orientation type: Straight
- Part No.: PPG.XB.XXX.XXXXX
- Mated with: FSG/FAG/SFG/SRG/SEG FBG/PRG/ASG series

  "X" refers to part number definition





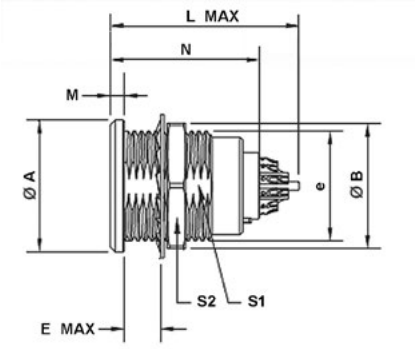
General Information

Size	Dimensions (mm)							
	A	B	e	E	M	N max	S1	S2
00	8	10.2	M7*0.5	2.9	9.0	18.1	6.3	9
0B	10	12.4	M9*0.6	4.2	11.2	20.8	8.2	11
1B	14	15.8	M12*1.0	5.4	12.5	25.2	10.5	14
2B	18	19.2	M15*1.0	6.0	13.8	28.7	13.5	17
3B	22	25.0	M18*1.0	5.8	17.0	32.1	16.5	22

Ambient temperature:	- 55 C to + 200 C
Connector insert:	PEEK
Connector contacts:	Bronze, Gold Plated
Coupling nut/screw:	Brass, Nickel Plated
Connector body:	Brass, Cr Plated
Insulation resistance:	≥ 100 M Ω
IP rating	IP50

B SERIES,FSG FEMALE STRAIGHT

- Connector series: FSG
- Gender: Female
- Coding: G
- Locking type: Self-locking
- Orientation type: Straight
- Part No.: FSG.XB.XXX.XXX
- Mated with: PSG/PAG/MSG/PLG/PPG series
  "X" refers to part number definition





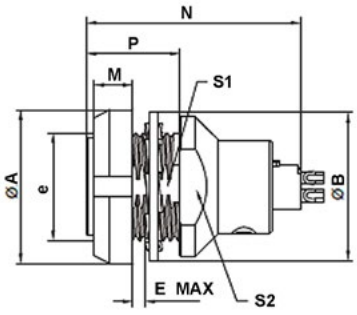
General Information

Size	Dimensions (mm)								
	A	B	e	E	M	L	N max	S1	S2
00	8	10.2	M7*0.5	6.5	15.5	1.0	13.7	6.3	9
0B	10	12.4	M9*0.6	7.0	20.7	1.2	19.1	8.2	11
1B	14	15.8	M12*1.0	7.5	23.0	1.5	21.1	10.5	14
2B	18	19.2	M15*1.0	8.5	26.7	1.8	24.6	13.5	17
3B	22	25.0	M18*1.0	11.5	30.7	2.0	28.1	16.5	22

Ambient temperature:	- 55 C to + 200 C
Connector insert:	PEEK
Connector contacts:	Bronze, Gold Plated
Coupling nut/screw:	Brass, Nickel Plated
Connector body:	Brass, Cr Plated
Insulation resistance:	≥ 100 M Ω
IP rating	IP50

B SERIES, SRG FEMALE STRAIGHT

- Connector series: SRG
- Gender: Female
- Coding: G
- Locking type: Self-locking
- Orientation type: Straight
- Part No.: SRG.XB.XXX.XXX
- Mated with: PSG/PAG/MSG/PLG/PPG series
  "X" refers to part number definition





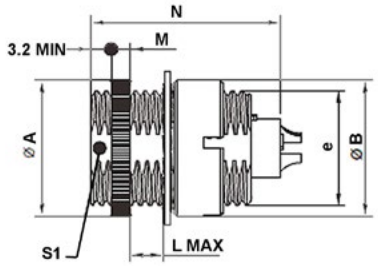
General Information

Size	Dimensions (mm)								
	A	B	e	E	M	N max	P	S1	S2
00	10	9.5	M7*0.5	2.3	2.5	15.5	6.0	6.3	7.5
0B	12	12.5	M9*0.6	2.4	2.5	20.7	6.3	8.2	9.0
1B	16	16.0	M12*1.0	6.5	3.5	23.0	11.0	10.5	13.0
2B	20	20.0	M15*1.0	3.0	3.5	26.7	9.0	13.5	15.0
3B	24	25.0	M18*1.0	5.0	4.5	30.7	12.0	16.5	20.0

Ambient temperature:	- 55 C to + 200 C
Connector insert:	PEEK
Connector contacts:	Bronze, Gold Plated
Coupling nut/screw:	Brass, Nickel Plated
Connector body:	Brass, Cr Plated
Insulation resistance:	≥ 100 M Ω
IP rating	IP50

B SERIES, SFG MALE STRAIGHT

- Connector series: SFG
- Gender: Male
- Coding: G
- Locking type: Self-locking
- Orientation type: Straight
- Part No.: SFG.XB.XXX.XX
- Mated with: PSG/PAG/MSG/PLG/PPG series
  "X" refers to part number definition





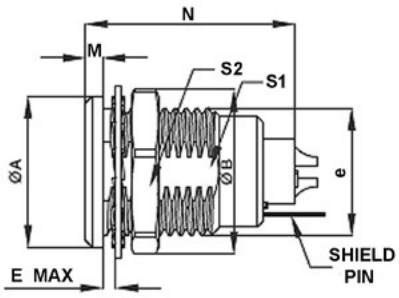
General Information

Size	Dimensions (mm)							
	A	B	e	E	M	N Max	S1	S2
0B	9.5	9	M7*0.5	4.2	2	13.7	-	-
1B	14.0	14	M12*1.0	8.0	12	21.1	10.5	-

Ambient temperature:	- 55 C to + 200 C
Connector insert:	PEEK
Connector contacts:	Bronze, Gold Plated
Coupling nut/screw:	Brass, Nickel Plated
Connector body:	Brass, Cr Plated
Insulation resistance:	≥ 100 M Ω
IP rating	IP50

B SERIES, SEG FEMALE STRAIGHT

- Connector series: SEG
- Gender: Female
- Coding: G
- Locking type: Self-locking
- Orientation type: Straight
- Part No.: SEG.XB.XXX.XXX
- Mated with: PSG/PAG/MSG/PLG/PPG series
  "X" refers to part number definition





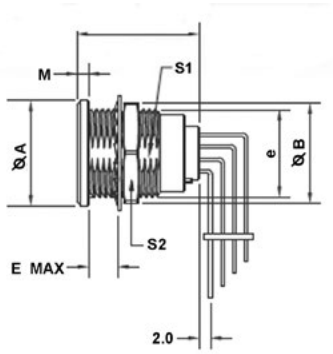
General Information

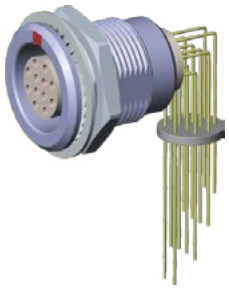
Size	Dimensions (mm)							
	A	B	e	E	M	N max	S1	S2
0B	10	12.4	M9*0.6	7.0	1.2	19.1	8.2	11
1B	14	15.8	M12*1.0	7.5	1.5	21.1	10.5	14
2B	18	19.2	M15*1.0	8.5	1.8	24.6	13.5	17
3B	22	25.0	M18*1.0	11.5	2.0	28.1	16.5	22

Ambient temperature:	- 55 C to + 200 C
Connector insert:	PEEK
Connector contacts:	Bronze, Gold Plated
Coupling nut/screw:	Brass, Nickel Plated
Connector body:	Brass, Cr Plated
Insulation resistance:	≥ 100 M Ω
IP rating	IP50

B SERIES, FAG FEMALE ANGLED

- Connector series: FAG
- Gender: Female
- Coding: G
- Locking type: Self-locking
- Orientation type: Angled
- Part No.: FAG.XB.XXX.XXX
- Mated with: PSG/PAG/MSG/PLG/PPG series
  "X" refers to part number definition





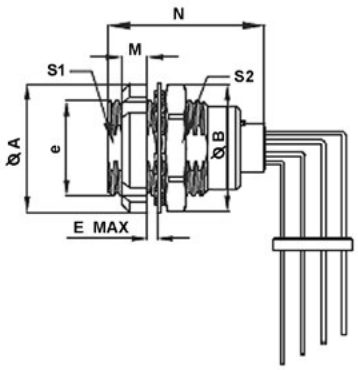
General Information

Size	Dimensions (mm)							
	A	B	e	E	M	N	S1	S2
0B	10	12.4	M9*0.6	7.0	1.2	19.1	8.2	11
1B	14	15.8	M12*1.0	7.5	1.5	21.1	10.5	14
2B	18	19.2	M15*1.0	8.5	1.8	24.6	13.5	17
3B	22	25.0	M18*1.0	11.5	2.0	28.1	16.5	22

Ambient temperature:	- 55 C to + 200 C
Connector insert:	PEEK
Connector contacts:	Bronze, Gold Plated
Coupling nut/screw:	Brass, Nickel Plated
Connector body:	Brass, Cr Plated
Insulation resistance:	≥ 100 M Ω
IP rating	IP50

B SERIES, FBG FEMALE ANGLED

- Connector series: FBG
- Gender: Female
- Coding: G
- Locking type: Self-locking
- Orientation type: Angled
- Part No.: FBG.XB.XXX.XXX
- Mated with: PSG/PAG/MSG/PLG/PPG series
  "X" refers to part number definition





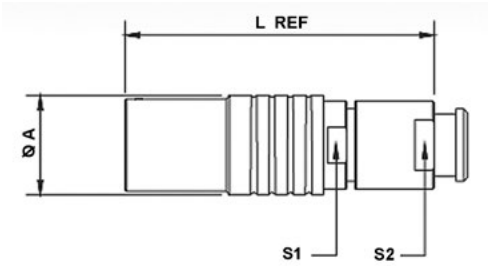
General Information

Size	Dimensions (mm)							
	A	B	e	E	M	N max	S1	S2
0B	12	12.4	M9*0.6	2.4	2.5	18.3	8.2	11
1B	16	15.8	M12*1.0	3.5	3.5	20.3	10.5	14
2B	20	19.2	M15*1.0	3.5	3.5	22.3	13.5	17
3B	24	25.0	M18*1.0	4.5	4.5	25.8	16.5	22

Ambient temperature:	- 55 C to + 200 C
Connector insert:	PEEK
Connector contacts:	Bronze, Gold Plated
Coupling nut/screw:	Brass, Nickel Plated
Connector body:	Brass, Cr Plated
Insulation resistance:	≥ 100 M Ω
IP rating	IP50

B SERIES, ASG FEMALE STRAIGHT - SR

- Connector series: ASG
- Gender: Female
- Coding: G
- Locking type: Self-locking
- Orientation type: Straight
- Part No.: ASG.XB.XXX.XXXXXXZ
- Mated with: PSG/PAG/MSG series
  "X" refers to part number definition





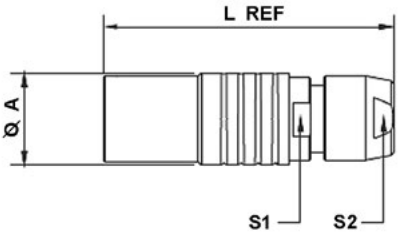
General Information

Size	Dimensions (mm)			
	A	L	S1	S2
00	6.8	34.0	5.5	6.0
0B	9.5	34.5	8.0	7.0
1B	12.5	39.5	10.0	9.0
2B	16.5	46.0	13.0	12.0
3B	19.0	54.5	15.0	15.0

Ambient temperature:	- 55 C to + 200 C
Connector insert:	PEEK
Connector contacts:	Bronze, Gold Plated
Coupling nut/screw:	Brass, Nickel Plated
Connector body:	Brass, Cr Plated
Insulation resistance:	≥ 100 M Ω
IP rating	IP50

B SERIES, ASG FEMALE STRAIGHT

- Connector series: ASG
- Gender: Female
- Coding: G
- Locking type: Self-locking
- Orientation type: Straight
- Part No.: ASG.XB.XXX.XXXXXX
- Mated with: PSG/PAG/MSG series
  "X" refers to part number definition





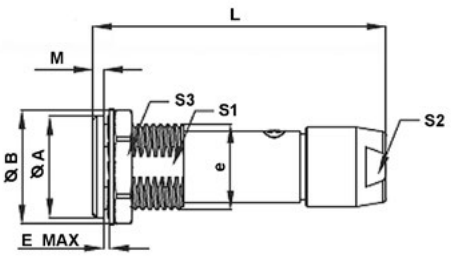
General Information

Size	Dimensions (mm)			
	A	L	S1	S2
00	6.8	26.0	5.5	5.0
0B	9.5	35.5	8.0	7.0
1B	12.5	40.5	10.0	9.0
2B	16.5	47.0	13.0	12.0
3B	19.0	56.0	15.0	14.0

Ambient temperature:	- 55 C to + 200 C
Connector insert:	PEEK
Connector contacts:	Bronze, Gold Plated
Coupling nut/screw:	Brass, Nickel Plated
Connector body:	Brass, Cr Plated
Insulation resistance:	≥ 100 M Ω
IP rating	IP50

B SERIES, PRG FEMALE STRAIGHT

- Connector series: PRG
- Gender: Female
- Coding: G
- Locking type: Self-locking
- Orientation type: Straight
- Part No.: PRG.XB.XXX.XXX
- Mated with: PSG/PAG/MSG/PLG/PPG series
  "X" refers to part number definition





General Information

Size	Dimensions (mm)								
	A	B	e	E	M	L	S1	S2	S3
00	8	10.2	M7*0.5	6.5	1.0	26.0	6.3	5	9
0B	10	12.4	M9*0.6	7.0	1.2	35.5	8.2	7	11
1B	14	15.8	M12*1.0	7.5	1.5	40.5	10.5	9	14
2B	18	19.2	M15*1.0	8.5	1.8	47.0	13.5	12	17
3B	22	25.0	M18*1.0	11.5	2.0	56.0	16.5	14	22

Ambient temperature:	- 55 C to + 200 C
Connector insert:	PEEK
Connector contacts:	Bronze, Gold Plated
Coupling nut/screw:	Brass, Nickel Plated
Connector body:	Brass, Cr Plated
Insulation resistance:	≥ 100 M Ω
IP rating	IP50



CUSTOM CABLE ASSEMBLIES

With more than 30 years experience in the interconnect and cable assembly business, MILSPECWEST is your best choice fro high quality, competitive cable assemblies for your accelerometer, sensor, MEMS and MilSpec requirements. This includes standard and low noise coax cables and 28 - 32 AWG FEP and PTFE multi-conductor cables.

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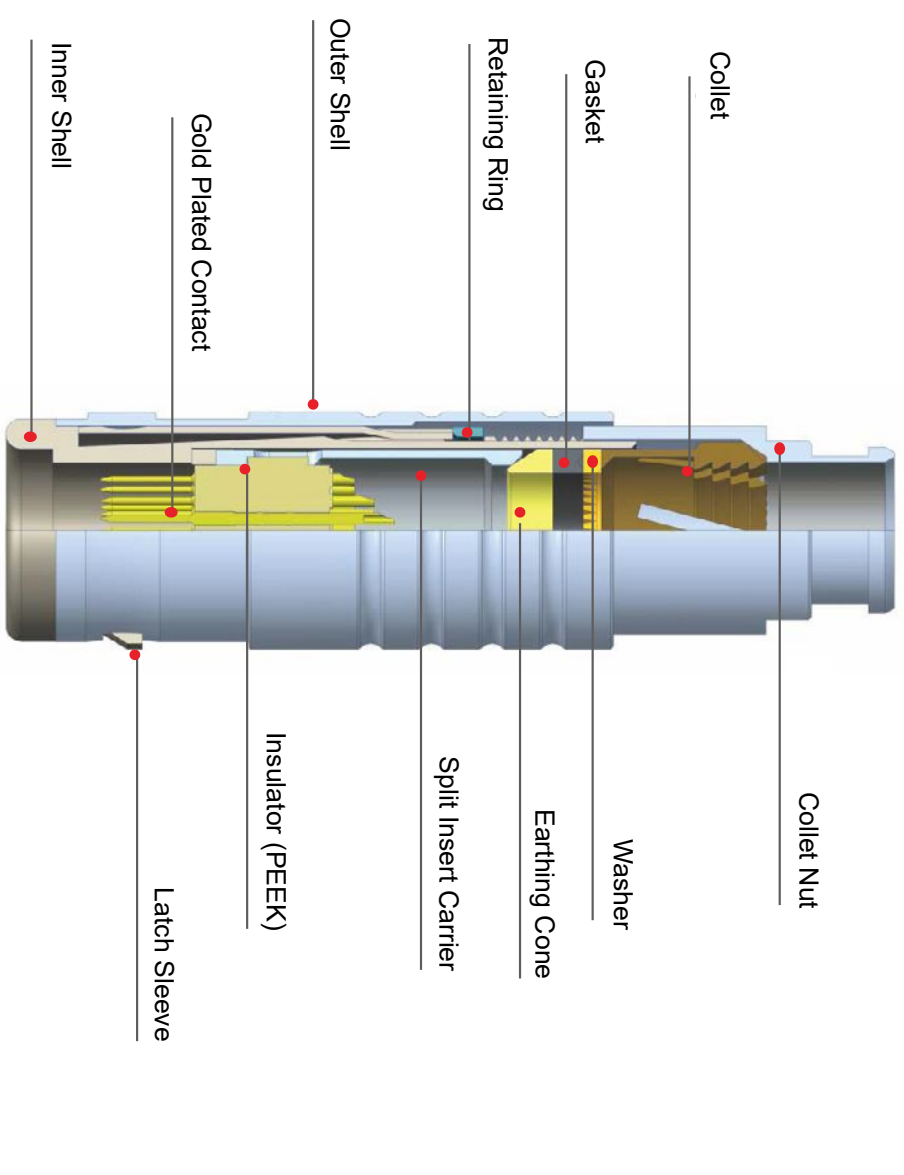
K SERIES *(Outdoor, Keyed)*



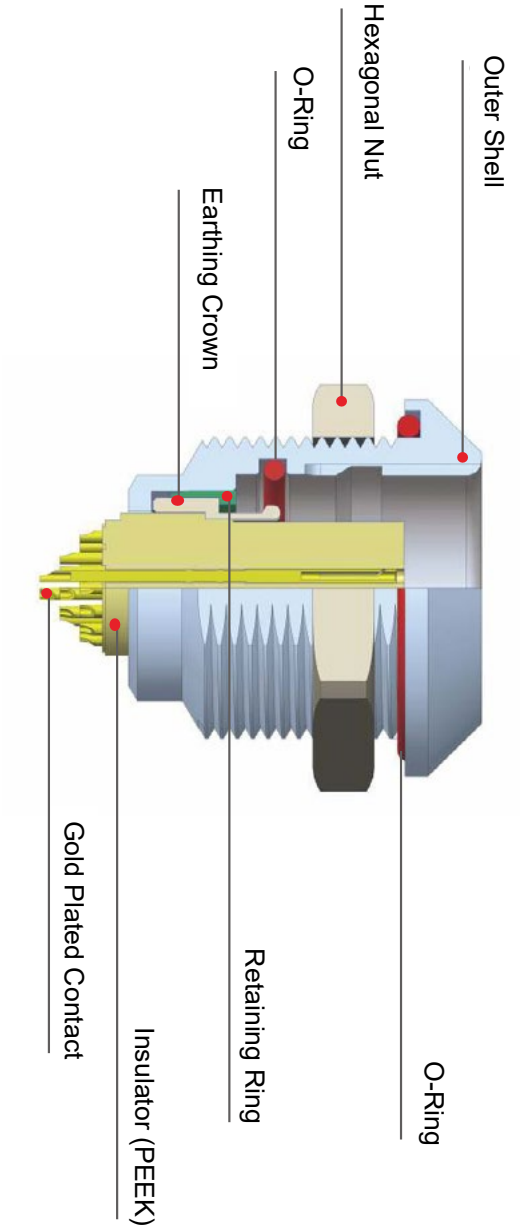
PART SECTION SHOWING INTERNAL COMPONENTS

K SERIES

Straight Plug

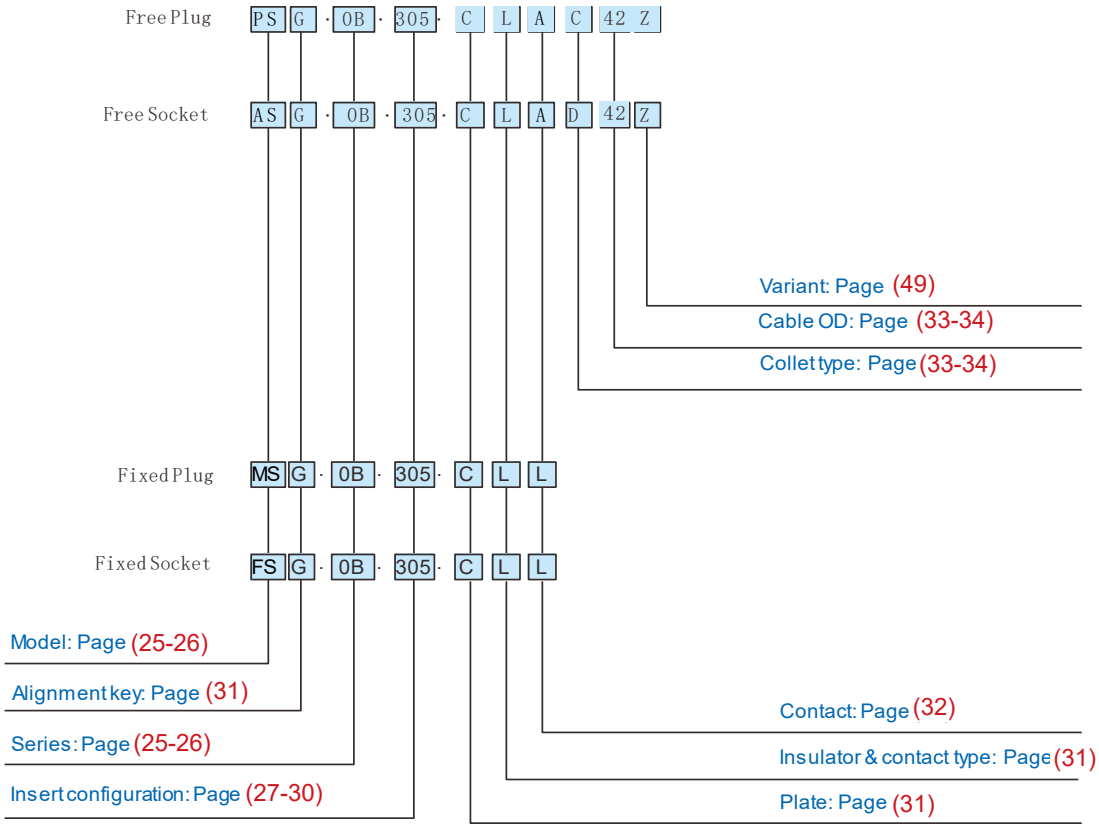


Fixed Socket



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PART NUMBER DEFINITION



Part Number Example

Straight Plug with Cable Collet:

PSG.0K.305.CLAD45=straight plug with key(G) and cable collet,0K Series, multipole type with 5 contacts, outershell in chrome- plated brass, PEEK insulator male solder contacts, D type collet for 4.5mm diameter cable.

Straight Plug with Cable Collet:

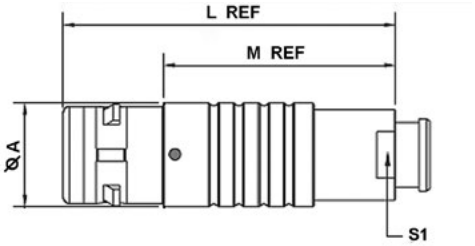
ASG.0K.305.CLLD45Z=free socket with key(G)and cable collet,0K series, multipole type with 5 contacts, outershell in chrome-plated brass, PEEK insulator, female solder contacts, D type collet for 4.5mm diameter cable and nut for fitting a bend relief.

Fixed Socket:

FSG.0K.305.CYM=fixed socket, nut fixing, with key(G),1K series, multipole type with 5 contacts, outershell lchrome-plated brass, PEEK insulator, female crimp contacts.

K SERIES, PSG MALE STRAIGHT - SR

- Connector series: PG
- Gender: Male
- Coding: G
- Locking type: Self-locking
- Orientation type: Straight
- Part No.: PSG.XK.XXX.XXXXXXZ
- Mated with: FSG/FAG series
  "X" refers to part number definition





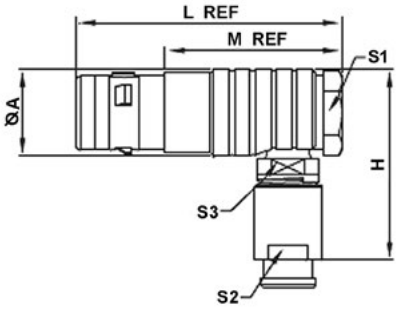
General Information

Size	Dimensions (mm)			
	A	L	M	S1
0K	11	34	23	7
1K	13	42	28	9
2K	16	52	36	12
3K	19	60	40	15

Ambient temperature:	- 55 C to + 200 C
Connector insert:	PEEK
Connector contacts:	Bronze, Gold Plated
Coupling nut/screw:	Brass, Nickel Plated
Connector body:	Brass, Cr Plated
Insulation resistance:	≥ 100 M Ω
IP rating	IP67

K SERIES, PAG MALE ANGLED - SR

- Connector series: PAG
- Gender: Male
- Coding: G
- Locking type: Self-locking
- Orientation type: Angled
- Part No.: PAG.XK.XXX.XXXXXXZ
- Mated with: FSG/FAG series
  "X" refers to part number definition





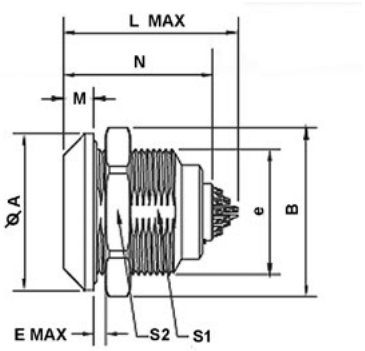
General Information

Size	Dimensions (mm)						
	A	L	M	H	S1	S2	S3
0K	11.5	36	23	28.5	10	8	8
1K	14.0	43	28	35.5	12	9	10
2K	17.5	51	36	40	15	12	13
3K	21.0	60	40	47	18	15	15

Ambient temperature:	- 55 C to + 200 C
Connector insert:	PEEK
Connector contacts:	Bronze, Gold Plated
Coupling nut/screw:	Brass, Nickel Plated
Connector body:	Brass, Cr Plated
Insulation resistance:	≥ 100 M Ω
IP rating	IP67

K SERIES, FSG FEMALE STRAIGHT

- Connector series: FSG
- Gender: Female
- Coding: G
- Locking type: Self-locking
- Orientation type: Straight
- Part No.: FSG.XK.XXX.XXX
- Mated with: PSG/PAG series
  "X" refers to part number definition



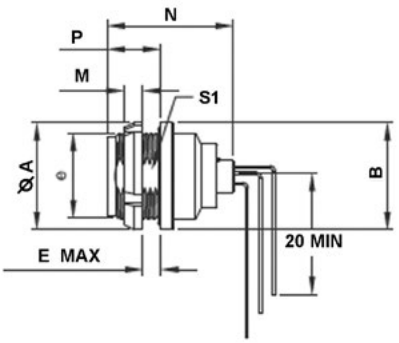


General Information

Ambient temperature:	- 55 C to + 200 C
Connector insert:	PEEK
Connector contacts:	Bronze, Gold Plated
Coupling nut/screw:	Brass, Nickel Plated
Connector body:	Brass, Cr Plated
Seal/ O-ring	FKM
Insulation resistance:	≥ 100 M Ω
IP rating	IP67

K SERIES, FAG FEMALE ANGLED

- Connector series: FAG
- Gender: Female
- Coding: G
- Locking type: Self-locking
- Orientation type: Angled
- Part No.: FAG.XK.XXX.XXX
- Mated with: PSG/PAG series
  "X" refers to part number definition





General Information

Size	Dimensions (mm)								
	A	B	e	E	L	M	N	S1	S2
0K	18	19.2	M14*1.0	6.0	21.7	4.0	20.1	12.5	17
1K	20	21.5	M16*1.0	9.0	27.0	4.5	25.1	14.5	19
2K	25	27.0	M20*1.0	9.0	30.7	5.0	28.6	18.5	24
3K	31	34.0	M24*1.0	11.5	36.2	6.0	33.6	22.5	30

Ambient temperature:	- 55 C to + 200 C
Connector insert:	PEEK
Connector contacts:	Bronze, Gold Plated
Coupling nut/screw:	Brass, Nickel Plated
Connector body:	Brass, Cr Plated
Seal/ O-ring	FKM
Insulation resistance:	≥ 100 M Ω
IP rating	IP67

ELECTRICAL & MECHANICAL DATA

Size	Part No	Pin Count	Pin Layout		Contact Dim (mm)	Rated Current (A)	Contact type			Test Voltage (KV rms)			
										Solder contact		Crimp contact	
			Male	Female			Solder	PCB	Crimp	Contact and Contact	Contact and Shell	Contact and Contact	Contact and Shell
00	302	02			0.5	5.0	●	●	●	1.30	1.00	1.15	1.20
	303	03			0.5	3.0	●	●	●	1.20	0.80	1.35	1.10
	304	04			0.5	2.0	●	●	●	0.85	0.80	1.05	1.05
OB & OK	302	02			0.9	10.0	●	●	●	1.30	1.05	1.45	1.20
	303	03			0.9	8.0	●	●	●	1.20	0.90	1.70	1.60
	304	04			0.7	7.0	●	●	●	0.85	0.70	1.35	1.10
	305	05			0.7	6.5	●	●	●	1.00	0.70	1.25	1.20
	306	06			0.5	2.5	●	●	○	0.85	0.65	1.40	1.20
	307	07			0.5	2.5	●	●	○	0.80	0.70	1.40	1.20
	309	09			0.5	2.0	●	●	○	0.60	0.50	1.00	0.85

It is proposed according to the following ratio: Operating Voltage (US) = Test Voltage (UE) / 3

Caution:
For a number of applications, safety requirements for electrical appliances are more severe with regard to operating voltage.
In such cases operating voltage is defined according to creepage distance and air clearance between live parts.

● First Recomendation
○ Special Order Alternative

MilSpecWest
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ELECTRICAL & MECHANICAL DATA

PS G · 0B · 305 · C L A D 42

Size	Part No	Pin Count	Pin Layout		Contact Dim (mm)	Rated Current (A)	Contact type			Test Voltage (KV rms)			
										Solder contact		Crimp contact	
			Male	Female			Solder	PCB	Crimp	Contact and Contact	Contact and Shell	Contact and Contact	Contact and Shell
1B & IK	302	02			1.3	15.0	●	●	●	1.50	1.35	1.70	1.45
	303	03			1.3	12.0	●	●	●	1.30	1.55	1.60	1.85
	304	04			0.9	10.0	●	●	●	1.35	1.45	1.70	1.80
	305	05			0.9	9.0	●	●	●	1.25	1.15	1.30	1.55
	306	06			0.7	7.0	●	●	●	1.05	1.20	1.35	1.45
	307	07			0.7	7.0	●	●	●	0.95	1.05	1.45	1.45
	308	08			0.7	5.0	●	●	●	0.95	1.15	1.30	1.30
	310	10			0.5	2.5	●	●	○	0.90	1.50	1.20	1.80
	314	14			0.5	2.0	●	●	○	0.80	1.20	0.95	1.60
	316	16			0.5	1.5	●	●	○	0.80	1.25	0.95	1.60

It is proposed according to the following ratio: Operating Voltage (US) = Test Voltage (UE) / 3

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● First Recomendation
○ Special Order Alternative

ELECTRICAL & MECHANICAL DATA

Size	Part No	Pin Count	Pin Layout		Contact Dim (mm)	Rated Current (A)	Contact type			Test voltage (KV rms)			
										Solder contaact		Crimp contact	
			Male	Female			Solder	PCB	Crimp	Contact and Contact	Contact and Shell	Contact and Contact	Contact and Shell
2B & 2K	302	02			2.0	30.0	●	○	○	2.10	1.75	2.85	2.70
	303	03			1.6	17.0	●	○	○	2.40	1.85	1.90	1.90
	304	04			1.3	15.0	●	●	●	1.85	1.85	2.20	2.20
	305	05			1.3	14.0	●	●	●	1.75	1.60	2.15	2.15
	306	06			1.3	12.0	●	●	●	1.35	1.45	2.00	2.35
	307	07			1.3	11.0	●	●	●	1.75	1.60	1.95	2.15
	308	08			0.9	10.0	●	●	●	1.50	1.25	1.95	1.95
	310	10			0.9	8.0	●	●	●	1.45	1.30	1.80	2.10
	312	12			0.7	7.0	●	●	●	1.25	1.35	1.65	2.00
	314	14			0.7	6.5	●	●	●	1.15	1.35	1.55	1.95
	316	16			0.7	6.0	●	●	●	0.95	1.25	1.55	1.75
	318	18			0.7	5.5	●	●	●	0.85	1.20	1.45	2.10
	319	19			0.7	5.0	●	●	●	0.95	1.25	1.55	1.65
	326	26			0.5	2.0	●	●	●	0.95	1.30	1.20	1.80
	332	32			0.5	1.5	●	●	●	0.80	1.20	0.95	1.60

It is proposed according to the following ratio: Operating Voltage (US) = Test Voltage (UE) / 3

Caution:
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● **First Recomendation**
○ **Special Order Alternative**

ELECTRICAL & MECHANICAL DATA

Size	Part No	Pin Count	Pin Layout		Contact Dim (mm)	Rated Current (A)	Contact type			Test voltage (KV rms)			
										Solder contaact		Crimp contact	
			Male	Female			Solder	PCB	Crimp	Contact and Contact	Contact and Shell	Contact and Contact	Contact and Shell
3B & 3K	302	02			3.0	35.0	●	○	●	2.10	1.55	2.30	1.80
	303	03			2.0	25.0	●	●	●	1.90	1.50	3.20	2.65
	304	04			2.0	19.0	●	●	●	1.45	1.25	2.50	2.20
	305	05			1.6	19.0	●	●	●	1.90	1.25	2.40	1.75
	306	06			1.6	17.0	●	●	●	1.60	1.15	1.90	1.80
	307	07			1.6	15.0	●	●	●	1.70	1.25	2.00	2.05
	308	08			1.3	13.0	●	●	●	1.65	1.15	1.85	1.75
	309	09			8 1	1.3 2.0	●	●	●	1.35 1.35	1.05 1.05	1.10 1.10	1.05 1.05
	310	10			1.3	12.0	●	●	●	1.25	0.90	1.50	1.80
	312	12			0.9	9.0	●	●	●	1.45	1.00	1.65	1.85
	314	14			0.9	9.0	●	●	●	1.20	1.20	1.80	1.65
	316	16			0.9	8.0	●	●	●	1.20	0.85	1.80	1.50
	318	18			0.9	7.0	●	●	●	1.20	1.05	1.85	1.60
	320	20			0.7	6.0	●	●	●	1.00	0.90	1.35	1.55
	322	22			0.7	5.5	●	●	●	1.00	0.90	1.70	1.45
	324	24			0.7	4.0	●	●	●	0.95	0.80	1.35	1.35
	326	26			0.7	4.0	●	●	●	0.95	0.70	1.50	1.30
	330	30			0.7	3.5	●	●	●	0.80	0.70	1.35	1.20

It is proposed according to the following ratio: Operating Voltage (US) = Test Voltage (UE) / 3

● **First Recomendation**
○ **Special Order Alternative**

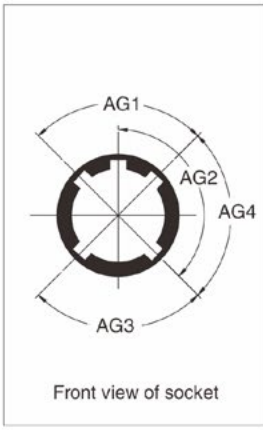
Caution:
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ALIGNMENT KEY

Metal Material & Palate and Insulator & Contact Type

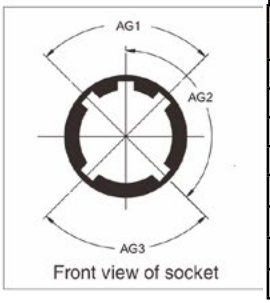
PS | G | · | 0B | · | 305 | · | C | L | A | D | 42

Alignment Key



Front view of socket

Code	No. of keys	Series							Contact type		Notes
		Angles	00	0B	1B	Angles	2B	3B	Plug	Socket	
G	1	-	0°	0°	0°	-	0°	0°	Male	Female	●
A	2	AG1	30°	30°	30°	AG1	30°	30°	Male	Female	●
B	2		60°	60°	60°		45°	45°	Male	Female	●
C	2		-	90°	90°		60°	60°	Male	Female	●
D	2	AG2	-	135°	135°	AG3	95°	95°	Male	Female	○
E	2		-	145°	145°	AG2	120°	120°	Male	Female	○
F	2		-	155°	155°		145°	145°	Male	Female	○
J	2	AG3	45°	45°	45°	AG1	37.5°	37.5°	Female	Male	●
K	2		-	70°	70°		52.5°	52.5°	Female	Male	○
L	2		-	80°	80°	AG3	70°	70°	Female	Male	○
M	2	AG4	-	110°	-	-	-	-	Female	Male	○
Y	3	-	-	-	-	AG2	112.5°	126°	Male	Female	●
		-	-	-	-	AG3	100°	102°			



Front view of socket

Code	No. of keys	Series					Contact type		Notes
		Angles	0K	1K	2K	3K	Plug	Socket	
G	1	-	0°	0°	0°	0°	Male	Female	●
A	2	AG1	30°	30°	30°	30°	Male	Female	●
B	2		45°	45°	45°	45°	Male	Female	●
C	2		60°	60°	60°	60°	Male	Female	●
D	2	AG3	95°	95°	95°	95°	Male	Female	○
E	2	AG2	120°	120°	120°	120°	Male	Female	○
F	2		145°	145°	145°	145°	Male	Female	○
L	2	AG3	75°	75°	75°	75°	Female	Male	●

Metal Material & Plate

Reference	Out. shell+collet nut		Latch sleeve+earth crown		Other metallic components		Remarks	Notes
	Material	Finish	Material	Finish	Material	Finish		
C	Brass	Chrome	Brass-bronze	Nickel	Brass	Nickel		●
N	Brass	Nickel	Brass-bronze	Nickel	Brass	Nickel		○
K	Brass	Blk Nick	Brass-bronze	Nickel	Brass	Nickel		●
S	Stain Stl	-	Brass-bronze	Nickel	Brass	Nickel		●
P	PSU	-	Brass-bronze	Nickel	Brass	Nickel	Avail for some B series parts	●
H	PPS/Brass	-/Nickel	Brass-bronze	Nickel	Brass	Nickel	Only for elbow sockets (B)	●

● **First Recomendation**
○ **Special Order Alternative**

Insulator & Contact Type

	Y	L
Insulator material	PEEK	PEEK
Contact type	Crimp	Solder or PCB

CONTACT TYPE

PS G · 0B · 305 · C L A D 42

Contact reference for plugs free or fixed sockets

Contact type	Reference		Contact (mm)		Conductor size					
	Male	Female	Pin OD	Wire OD	Solid		Stranded			
					AWG max	Section Max(2mm)	AWG min	AWG max	Section (2mm) min	Section (2mm) max
Solder	A	L	0.5	0.4	28	0.09	-	30	-	0.05
			0.5	0.45	28	0.09	-	28	-	0.09
			0.7	0.8	22	0.34	-	22	-	0.34
			0.9	0.8	22	0.34	-	22	-	0.34
			1.3	1.0	20	0.50	-	20	-	0.50
			1.6	1.4	16	1.00	-	18	-	1.00
			2.0	1.8	14	1.50	-	16	-	1.50
			3.0	2.7	10	4.00	-	12	-	4.00
Crimp	C	M	0.5	0.45	-	-	32	28	0.035	0.09
	C	M	0.7	1.80	-	-	29	22	0.140	0.34
	B	P	0.7	1.45	-	-	32	28	0.035	0.09
	C	M	0.9	1.10	-	-	24	20	0.250	0.50
	B	P	0.9	0.80	-	-	26	22	0.140	0.34
	G	U	0.9	0.45	-	-	32	28	0.035	0.09
	C	M	1.3	1.40	-	-	20	18	0.500	1.00
	B	P	1.3	1.10	-	-	24	20	0.250	0.50
	BG	U	1.3	0.80	-	-	26	22	0.140	0.34
	C	M	1.6	1.90	-	-	18	14	1.000	1.50
	B	P	1.6	1.40	-	-	22	18	0.340	1.00
	C	M	2.0	2.40	-	-	16	12	1.500	2.50
	B	P	2.0	1.90	-	-	18	14	1.000	1.50
	C	M	3.0	2.90	--	-	14	10	2.500	4.00
PCB	D	N	-							
PCB Angled	W	V	-							

COLLET TYPE

PS G · 0B · 305 · C L A C 42

Collet Type

Cable 0D

D type



M type



Series	References		Collet ID		Cable OD	
	Type	Code	A	B	max	min
00	D	17	1.7	-	1.6	1.1
	D	22	2.2	-	2.1	1.6
	D	27	2.7	-	2.6	2.1
	D	31	3.1	2.8	3.0	2.5
	D	35	3.5	2.8	3.4	2.9
0B	D	21	2.1	-	2.0	1.5
	D	31	3.1	-	3.0	2.1
	D	42	4.2	-	4.0	3.1
	D	52	5.2	4.7	5.0	4.1
	D	56	5.6	4.7	5.5	5.1①
1B	M	27	2.7	-	2.6	2.2
	M	31	3.1	-	3.0	2.6
	D	42	4.2	-	4.0	3.1
	D	52	5.2	-	5.0	4.1
	D	62	6.2	-	6.0	5.1
	D	72	7.2	6.7	7.0	6.1
	D	76	7.6	6.7	7.5	7.1①

Series	References		Collet ID		Cable OD	
	Type	Code	A	B	max	min
2B	M	21	2.1	-	2.0	1.5
	M	31	3.1	-	3.0	2.1
	M	42	4.2	-	4.0	3.1
	D	52	5.2	-	5.0	4.1
	D	62	6.2	-	6.0	5.1
	D	72	7.2	-	7.0	6.1
	D	82	8.2	-	8.0	7.1
	D	92	9.2	8.6	9.0	8.1
	D	99	9.9	8.6	9.7	9.1①
3B	M	52	5.2	-	5.0	4.1
	D	62	6.2	-	6.0	5.1
	D	72	7.2	-	7.0	6.1
	D	82	8.2	-	8.0	7.1
	D	92	9.2	-	9.0	8.1
	D	10	10.2	-	10.0	9.1
	D	11	11.2	10.2	11.0	10.1
	D	12	11.9	10.2	11.7	11.1①

Note: All dimensions are in millimetres.

1) These collets cannot be used for connector models with nut for fitting a bend relief.

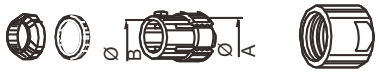
COLLET TYPE

PS G · 0K · 305 · C L A C 45

Collet Type

Cable 0D

C type



K type

oversize cable collet



Series	References		Collet ID		Cable OD	
	Type	Code	A	B	max	min
0K	C	10	1.6	-	1.2	1.0
	C	15	1.6	-	1.5	1.3
	C	20	2.1	-	2.0	1.6
	C	25	3.1	-	2.5	2.1
	C	30	3.1	-	3.0	2.6
	C	35	4.2	4.2	3.5	3.1
	C	40	4.2	4.2	4.0	3.6
	C	45	5.2	5.2	4.5	4.1
	C	50	5.2	5.2	5.0	4.6
1K	C	15	1.6	-	1.5	1.3
	C	20	2.2	-	2.0	1.6
	C	25	3.2	-	2.5	2.1
	C	30	3.2	-	3.0	2.6
	C	35	4.2	-	3.5	3.1
	C	40	4.2	-	4.0	3.6
	C	45	5.2	-	4.5	4.1
	C	50	5.2	-	5.0	4.6
	C	55	6.2	6.2	5.5	5.1
	C	60	6.2	6.2	6.0	5.6
	C	65	7.2	6.7	6.5	6.1
	K	70	7.2	-	7.0	6.6
	K	75	8.2	8.2	7.5	7.1
	K	80	8.2	8.2	8.0	7.6
	K	85	9.2	8.6	8.5	8.1
2K	C	15	2.2	-	1.5	1.3
	C	20	2.2	-	2.0	1.6
	C	25	3.2	-	2.5	2.1
	C	30	3.2	-	3.0	2.6
	C	35	4.2	-	3.5	3.1
	C	40	4.2	-	4.0	3.6
	C	45	5.2	-	4.5	4.1
	C	50	5.2	-	5.0	4.6

Series	References		Collet ID		Cable OD	
	Type	Code	A	B	max	min
2K	C	55	6.2	-	5.5	5.1
	C	60	6.2	-	6.0	5.6
	C	65	7.2	-	6.5	6.1
	C	70	7.2	-	7.0	6.6
	C	75	8.2	8.2	7.5	7.1
	C	80	8.2	8.2	8.0	7.6
	C	85	9.2	8.6	8.5	8.1
	K	90	9.2	-	9.0	8.6
	K	95	10.2	10.2	9.5	9.1
	K	10	10.2	10.2	10.0	9.6
	K	11	11.2	10.6	10.5	10.1
3K	C	30	3.2	-	3.0	2.6
	C	35	4.2	-	3.5	3.1
	C	40	4.2	-	4.0	3.6
	C	45	5.2	-	4.5	4.1
	C	50	5.2	-	5.0	4.6
	C	55	6.2	-	5.5	5.1
	C	60	6.2	-	6.0	5.6
	C	65	7.2	-	6.5	6.1
	C	70	7.2	-	7.0	6.6
	K	75	8.2	-	7.5	7.1
	K	80	8.2	-	8.0	7.6
	K	85	9.2	-	8.5	8.1
	K	90	9.2	-	9.0	8.6
	C	95	10.2	10.2	9.5	9.1
	C	10	10.2	10.2	10.0	9.6
	C	11	11.2	10.6	10.5	10.1
	K	11	12.3	-	12.0	10.6
	K	12	13.8	13.8	12.8	12.1
	K	13	13.8	13.8	13.5	12.9
	K	14	15.3	15.3	14.0	13.6
	K	15	15.3	15.3	15.0	14.1

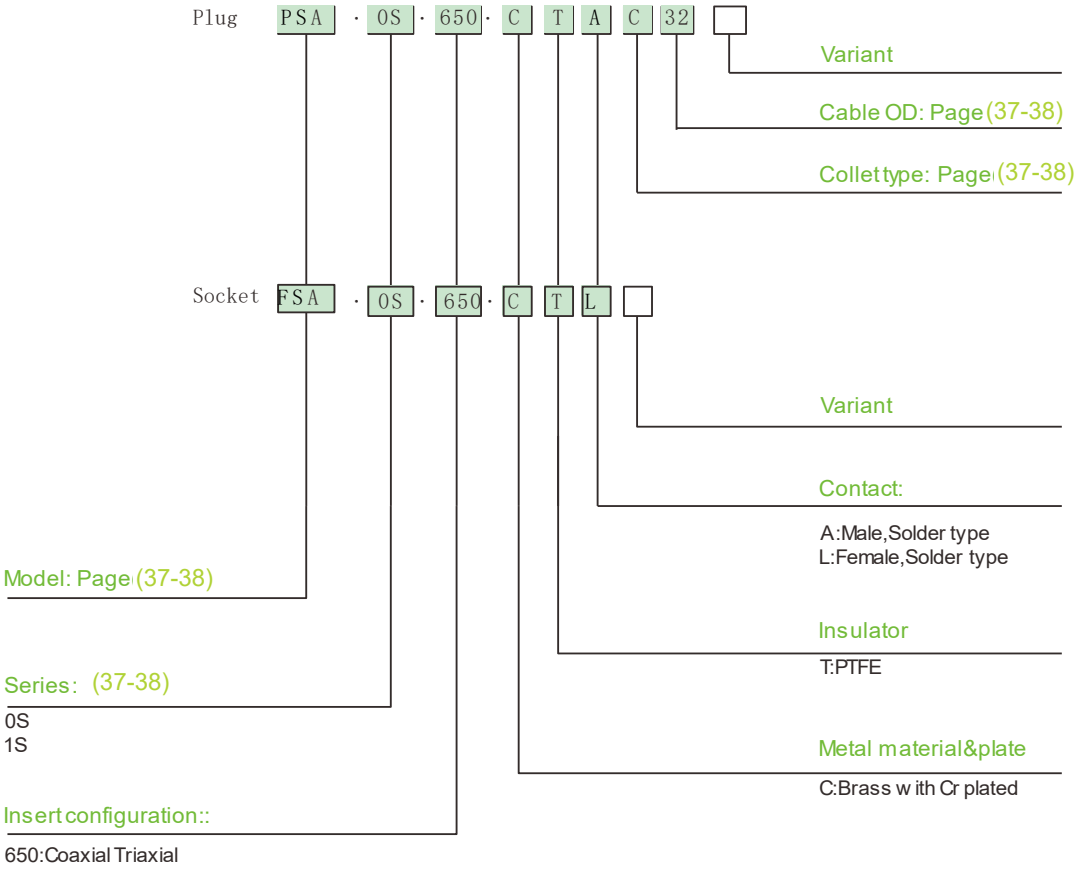
Note: All dimensions are in millimetres.

S SERIES *(Indoor)*



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PART NUMBER DEFINITION



Part Number Example

Straight Plug with Cable Collet:

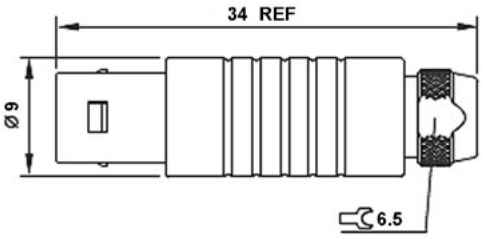
PSA.0S.650.CTACXX32 = straight plug with cable collet, 0S series, triax coaxial type, outershell in chrome plated brass, PTFE insulator, male solder contacts, C type collet for a 3.2 mm diameter cable.

Fixed Socket:

FSA.0S.650.CTL = fixed socket, nut fixing, 0S series, triax coaxial type, outershell in chrome-plated brass, PTFE insulator, female solder contacts.

0S SERIES, TRIAX PLUG, STRAIGHT , COAXIAL TRIAXIAL

- Connector series: 0S
- Gender: Plug
- Locking type: Push-Pull Self-locking
- Mounting type: Straight
- Part No.: PSA.0S.650.CTACXX
  XX refers to cable OD specification
  (see table lower right corner)





General Information

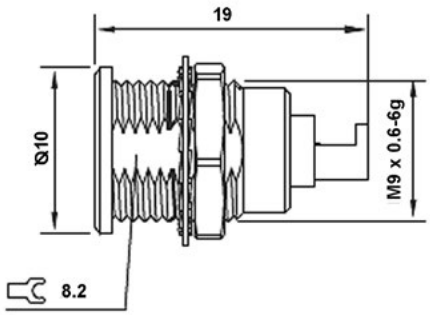
Ambient temperature:	**- 50 C to + 250 C**
Connector insert:	**PTFE**
Plug body:	**Brass with Cr plate**
Connector contacts	**Brass with Gold plate**
Insulation resistance:	**≥ 100 M Ω**
Shielding:	**Available /Unavailable**
IP rating	**IP50**

Code	Cable OD	
	max.	min.
17	**1.6**	**1.3**
22	**2.1**	**1.7**
27	**2.6**	**2.2**
32	**3.1**	**2.7**

Code	Cable OD	
	max.	min.
37	**3.6**	**3.0**
42	**4.1**	**3.3**
44	**4.3**	**3.5**

0S SERIES, TRIAX FIXED SOCKET, STRAIGHT , COAXIAL TRIAXIAL

- Connector series: 0S
- Gender: Socket
- Locking type: Push-Pull Self-locking
- Mounting type: Straight
- Part No.: FSA.0S.650.CTL



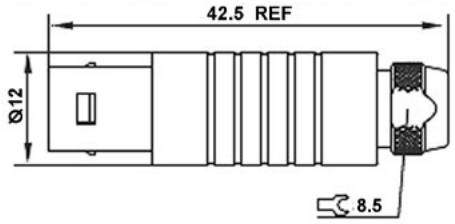


General Information

Ambient temperature:	**- 50 C to + 150 C**
Connector insert:	**PTFE**
Plug body:	**Brass with Cr plate**
Connector contacts	**Brass with Gold plate**
Insulation resistance:	**≥ 100 M Ω**
Shielding:	**Available /Unavailable**
IP rating	**IP50**

1S SERIES, TRIAX PLUG, STRAIGHT , COAXIAL TRIAXIAL

- Connector series: 1S
- Gender: Plug
- Locking type: Push-Pull Self-locking
- Mounting type: Straight
- Part No.: PSA.1S.650.CTACXX
  XX refers to cable OD specification
  (see table lower right corner)





General Information

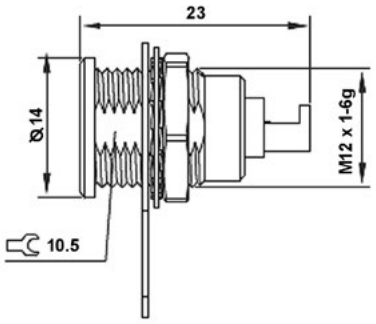
Ambient temperature:	**- 50 C to + 250 C**
Connector insert:	**PTFE**
Plug body:	**Brass with Cr plate**
Connector contacts	**Brass with Gold plate**
Insulation resistance:	**≥ 100 M Ω**
Shielding:	**Available /Unavailable**
IP rating	**IP50**

Code	Cable OD	
	max.	min.
17	1.6	1.3
22	2.1	1.7
27	2.6	2.2
32	3.1	2.6
37	3.6	2.7
42	4.1	3.3

Code	Cable OD	
	max.	min.
47	4.6	3.8
52	5.1	4.3
57	5.6	4.8
62	6.1	5.3
66	6.5	5.9
68	6.7	6.0

1S SERIES, TRIAX FIXED SOCKET, STRAIGHT , COAXIAL TRIAXIAL

- Connector series: 1S
- Gender: Socket
- Locking type: Push-Pull Self-locking
- Mounting type: Straight
- Part No.: FSA.1S.650.CTL





General Information

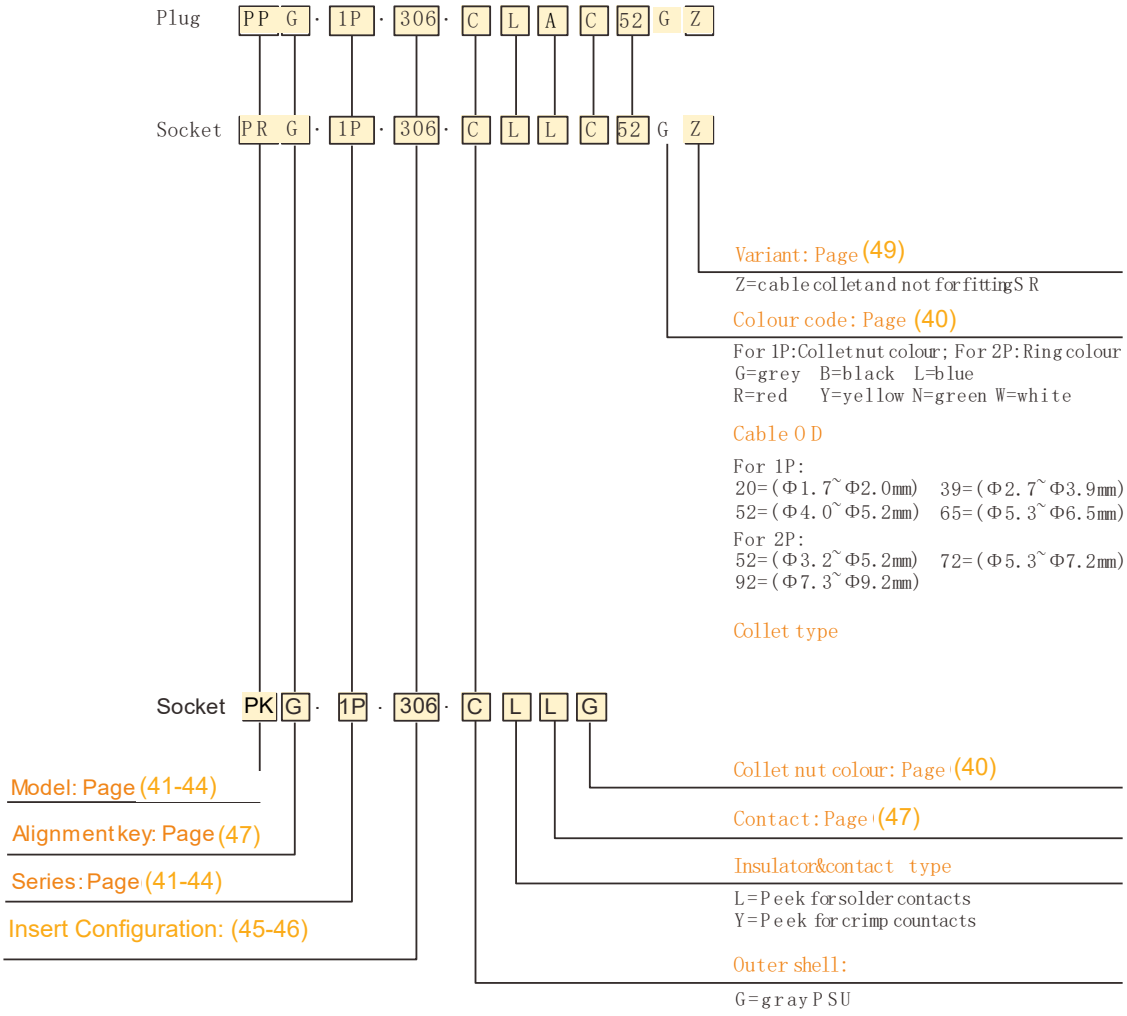
Ambient temperature:	**- 50 C to + 150 C**
Connector insert:	**PTFE**
Plug body:	**Brass with Cr plate**
Connector contacts	**Brass with Gold plate**
Insulation resistance:	**≥ 100 M Ω**
Shielding:	**Available /Unavailable**
IP rating	**IP50**

P SERIES *(Indoor)*



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PART NUMBER DEFINITION



Part Number Example

Straight Plug with Cable Collet:

PPG.1P.306.CLAD52=straight plug with key(G) and cable collet,1P Series, ultipole type with 6 contacts,outershell grey PSU, PEEK insulator male solder contacts, collet for 5.2mm diameter cable.

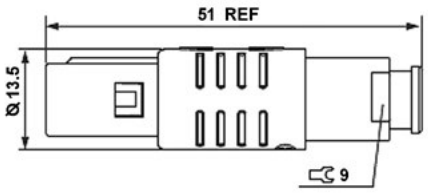
Fixed Socket:

PKG.1P.306.CLLG=fixed socket, nut fixing, with key(G),1P series, multiple type with 6 contacts, outer shell grey PSU,PEEK extended insulator, female solder contacts, with grey collet nut.

1P SERIES, WATERPROOF, PLUG, STRAIGHT

- Connector series: 1P
- Gender: Plug
- Code: G
- Locking type: Push-Pull Self-locking
- Mounting type: Straight
- Part No.: PFG.1P.XXX.GLACXXGZ
- Mated with PNG seires

"X" refers to part number definition





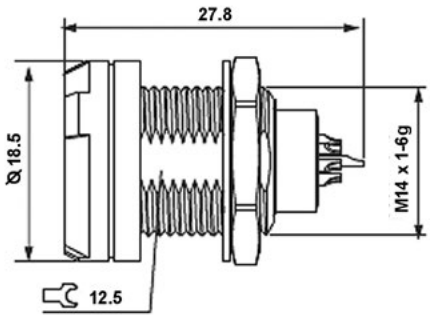
General Information

Ambient temperature:	**- 50 C to + 250 C**
Connector insert:	**PTFE**
Plug body:	**PSU**
Connector contacts	**Brass with Gold plate**
Insulation resistance:	**≥ 100 M Ω**
IP rating	**IP64**

1P SERIES, WATERPROOF, FIXED SOCKET, STRAIGHT

- Connector series: 1P
- Gender: Socket
- Code: G
- Locking type: Push-Pull Self-locking
- Mounting type: Straight
- Part No.: PNG.1P.XXX.GLLG
- Mated with PFG seires

"X" refers to part number definition





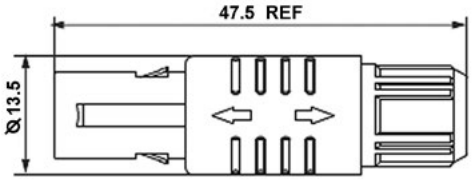
General Information

Ambient temperature:	**- 50 C to + 250 C**
Connector insert:	**PTFE**
Plug body:	**PSU**
Connector contacts	**Brass with Gold plate**
Insulation resistance:	**≥ 100 M Ω**
IP rating	**IP64**

1P SERIES, PLUG, STRAIGHT

- Connector series: 1P
- Gender: Plug
- Code: G
- Locking type: Push-Pull Self-locking
- Mounting type: Straight
- Part No: PPG.1P.XXX.GLACXXG
- Mated with PKG seires

"X" refers to part number definition





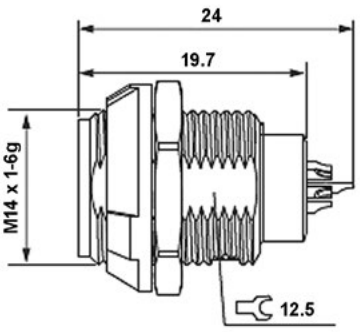
General Information

Ambient temperature:	**- 50 C to + 250 C**
Connector insert:	**PEEK**
Plug body:	**PSU**
Connector contacts	**Brass with Gold plate**
Insulation resistance:	**≥ 100 M Ω**
IP rating	**IP50**

1P SERIES, FIXED SOCKET, STRAIGHT

- Connector series: 1P
- Gender: Socket
- Code: G
- Locking type: Push-Pull Self-locking
- Mounting type: Straight
- Part No: PKG.1P.XXX.GLLG
- Mated with PPG seires

"X" refers to part number definition





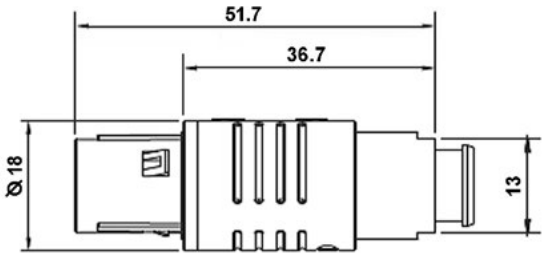
General Information

Ambient temperature:	**- 50 C to + 250 C**
Connector insert:	**PEEK**
Plug body:	**PSU**
Connector contacts	**Brass with Gold plate**
Insulation resistance:	**≥ 100 M Ω**
IP rating	**IP50**

2P SERIES, WATERPROOF, PLUG, STRAIGHT

- Connector series: 2P
- Gender: male
- Coding: B
- Locking type: Self-locking
- Mounting type: Straight
- Part No.: PFB.2P.XXX.GLACXXGZ
- Mated with PNB seires

"X" refers to part number definition





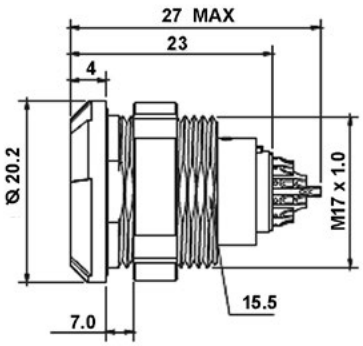
General Information

Ambient temperature:	**- 50 C to + 150 C**
Connector insert:	**PEEK**
Connector contacts	**Bronze with Gold plate**
Coupling nut/screw	**PSU**
Connector body:	**PSU**
Insulation resistance	**≥ 100 M Ω**
IP rating:	**IP66**

2P SERIES, WATERPROOF, SOCKET, STRAIGHT

- Connector series: 2P
- Gender: Female
- Coding: B
- Locking type: Self-locking
- Mounting type: Straight
- Part No.: PNB.2P.XXX.GLLG
- Mated with PFB seires

"X" refers to part number definition





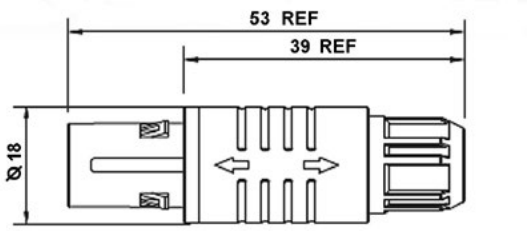
General Information

Ambient temperature:	**- 50 C to + 150 C**
Connector insert:	**PEEK**
Connector contacts	**Brass with Gold plate**
Coupling nut/screw	**PSU**
Connector body:	**PSU**
Insulation resistance	**≥ 100 M Ω**
IP rating:	**IP66**

2P SERIES, PLUG, STRAIGHT

- Connector series: 2P
- Gender: Male
- Coding: B
- Locking type: Self-locking
- Mounting type: Straight
- Part No.: PPB.2P.XXX.GLACXXG
- Mated with PLB seires

"X" refers to part number definition





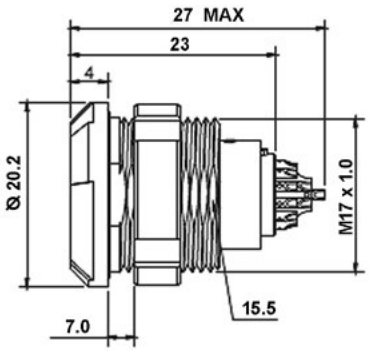
General Information

Ambient temperature:	**- 50 C to + 150 C**
Connector insert:	**PEEK**
Connector contacts	**Brass with Gold plate**
Coupling nut/screw	**PSU**
Connector body:	**PSU**
Insulation resistance	**≥ 100 M Ω**
IP rating:	**IP50**

2P SERIES, SOCKET, STRAIGHT

- Connector series: 2P
- Gender: Female
- Coding: B
- Locking type: Self-locking
- Mounting type: Straight
- Part No.: PLB.2P.XXX.GLLG
- Mated with PPB seires

"X" refers to part number definition





General Information

Ambient temperature:	**- 50 C to + 150 C**
Connector insert:	**PEEK**
Connector contacts	**Brass with Gold plate**
Coupling nut/screw	**PSU**
Connector body:	**PSU**
Insulation resistance	**≥ 100 M Ω**
IP rating:	**IP50**

ELECTRICAL & MECHANICAL DATA

PP G · 1P · 306 · C L A C 52

Size	Part No	Pin Count	Pin Layout		Contact Dim (mm)	Rated Current (A)	Contact type			Test Voltage (KV rms)
			Male	Female			Solder	PCB	Crimp	
1P	302	02			1.3	10.0	●	●	●	1.20
	304	04			0.9	8.0	●	●	●	1.20
	305	05			0.9	7.0	●	●	●	1.05
	306	06			0.7	6.0	●	●	●	1.05
	307	07			0.7	5.0	●	●	●	1.05
	308	08			0.7	5.0	●	●	●	1.05
	309	09			0.5	3.0	●	●	○	0.85
	310	10			0.5	3.0	●	●	○	0.85
	314	14			0.5	3.0	●	●	○	0.85

ELECTRICAL & MECHANICAL DATA

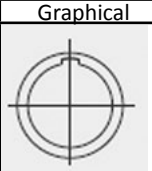
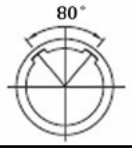
Size	Part No	Pin Count	Pin Layout		Contact Dim (mm)	Rated Current (A)	Contact type			Test Voltage (KV rms)
			Male	Female			Solder	PCB	Crimp	
2P	302	02			2.0	30.0	●	●	●	2.10
	303	03			1.6	17.0	●	●	●	2.40
	304	04			1.3	15.0	●	●	●	1.85
	305	05			1.3	12.0	●	●	●	1.75
	306	06			1.3	12.0	●	●	●	1.35
	307	07			1.3	11.0	●	●	●	1.75
	308	08			0.9	10.0	●	●	●	1.50
	310	10			0.9	8.0	●	●	●	1.45
	312	12			0.7	7.0	●	●	●	1.25
	316	16			0.7	6.0	●	●	●	0.95
	319	19			0.7	5.0	●	●	●	0.95
	326	26			0.5	2.0	●	●	○	0.95

ELECTRICAL & MECHANICAL DATA

PK G · 1P · 306 · C L A D 52

Alignment Key

1P Series

Coding	Key Count	Graphical
G	1 Key	
A	2 Keys	
B	2 Keys	
C	2 Keys	

2P Series

Coding	Key Count	Graphical
B	3 Keys	
C	3 Keys	
D	3 Keys	

PK □ · 1P · 306 · □ □ □ □

Contact Type

Type	Plug		Socket	
	Male	Female	Male	Female
Solder	A	L	A	L
Crimp	C	--	--	M
PCB	--	--	--	N
PCB Angled	--	--	V	V



BEND RELIEF FUNCTIONAL DESCRIPTION

PS G · 0B · 305 · C L A D 42 Z

Null=Not for Fitting Bend Relief
Z=Fitting Bend Relief (Part No. See Page 52)

Bend Relief Assembly



Cable Bend Relief Connector



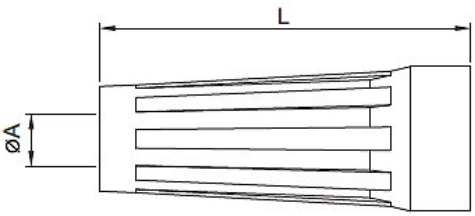
Assembly Drawing

Bend relief made from thermoplastic polyurethane elas-tomer. Can be fitted over plug and sockets that are supplied with nut for fitting such bend relief. They are available in nine different colours that match with the insulating washers.

Main Characteristics

Material:Polyurethane elastomer.
Temperature range in dry atmosphere:-40°C~+80°C; 105°C; 200°C.

SR BEND RELIEF





Main Characteristics

- *Material: TPU*
- *Temperature range in dry atmosphere: -40C +80C*

Part Number	Dimensions (mm)				Series
	Bend relief		Cable ø		
	A	L	max.	min.	
SRA.0B.025.G	2.5	24	2.9	2.5	OB
SRA.0B.030.G	3.0	24	3.4	3.0	
SRA.0B.035.G	3.5	24	3.9	3.5	OS
SRA.0B.040.G	4.0	24	4.4	4.0	
SRA.0B.045.G	4.5	24	5.2	4.5	OK
SRA.1B.025.G	2.5	30	2.9	2.5	
SRA.1B.030.G	3.0	30	3.4	3.0	1B
SRA.1B.035.G	3.5	30	3.9	3.5	
SRA.1B.040.G	4.0	30	4.4	4.0	1S
SRA.1B.045.G	4.5	30	4.9	4.5	
SRA.1B.054.G	5.4	30	6.0	5.4	1K, 1P
SRA.1B.065.G	6.5	30	7.0	6.5	

Part Number	Dimensions (mm)				Series
	Bend relief		Cable ø		
	A	L	max.	min.	
SRA.2B.040.G	4.0	36	4.5	4.0	2B
SRA.2B.045.G	4.5	36	5.0	4.5	
SRA.2B.060.G	6.0	36	6.5	6.0	2K, 2P
SRA.2B.070.G	7.0	36	7.7	7.0	
SRA.3B.060.G	6.0	42	6.9	6.0	3B, 3K
SRA.3B.070.G	7.0	42	7.9	7.0	
SRA.3B.080.G	8.0	42	8.9	8.0	

The last letter ((G)) of the part number indicates the grey color of the bend relief. For ordering a bend relief with another color, see table on page below and replace the letter ((G)) by the letter of the required color.

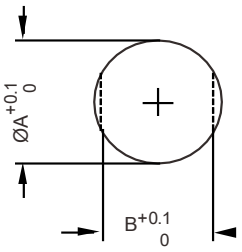
B SERIES, PSG MALE STRAIGHT

This color coding table is for (SR) bend relief and plastic collet nut.

	Colors						
	Grey	Blue	Yellow	Black	Red	Green	White
Reference	G	L	Y	B	R	N	W

PANEL CUT-OUTS, MOUNTING NUT TORQUE

B Series



Panel Cut-Outs

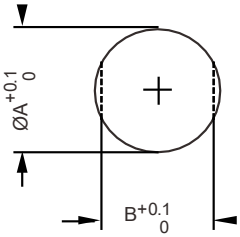
Series	Ø A	B
00	7.1	6.4
0B	9.1	8.3
1B	12.1	10.6
2B	15.1	13.6
3B	18.2	16.6

Mounting Nut Torque

Series	Torque (Nm)
00	1.0
0B	2.5
1B	4.5
2B	6.0
3B	9.0

1N=0.102kg

K Series

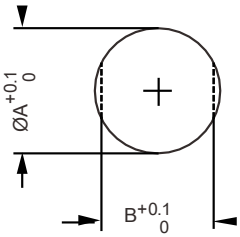


Series	Ø A	B
0K	14.1	12.6
1K	16.1	14.6
2K	20.2	18.6
3K	24.2	22.6

Series	Torque (Nm)
0K	5.0
1K	7.0
2K	8.0
3K	12.0

1N=0.102kg

S Series



Panel Cut-Outs

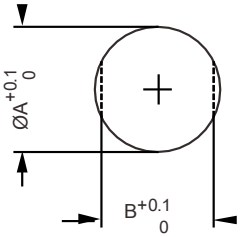
Series	Ø A	B
0S	9.1	8.3
1S	12.1	10.6

Mounting Nut Torque

Series	Torque (Nm)
0S	2.5
1S	4.5

1N=0.102kg

P Series



Panel Cut-Outs

Series	Ø A	B
1P	14.1	12.6
2P	17.1	15.6

Mounting Nut Torque

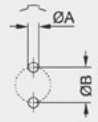
Series	Torque (Nm)
1P	1.5
2P	0.8

1N=0.102kg

PCB DRILLING PATTERN

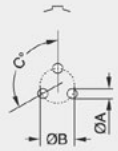
Fixed socket with straight print contact (B-K series)

302



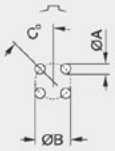
Series	Dimensions	
	A	B
00	0.6	1.2
0B-0K	0.8	2.2
1B-1K	0.8	2.8
2B-2K	0.8	4.4

303



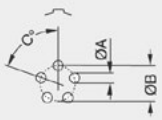
Series	Dimensions		
	A	B	C
00	0.6	1.35	120°
0B-0K	0.8	2.30	120°
1B-1K	0.8	3.00	120°
2B-2K	0.8	4.60	120°
3B-3K	0.8	5.60	120°

304



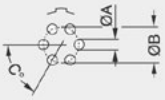
Series	Dimensions		
	A	B	C
00	0.6	.6	45°
0B-0K	0.6	2.5	45°
1B-1K	0.8	3.1	45°
2B-2K	0.8	5.0	45°
3B-3K	0.8	6.2	45°

305



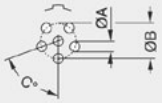
Series	Dimensions		
	A	B	C
0B-0K	0.6	2.8	72°
1B-1K	0.8	3.4	72°
2B-2K	0.8	5.2	72°
3B-3K	0.8	6.7	72°

306



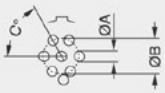
Series	Dimensions		
	A	B	C
0B-0K	0.6	3.0	60°
1B-1K	0.8	3.7	60°

306



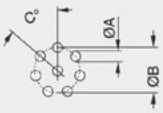
Series	Dimensions		
	A	B	C
2B-2K	0.8	5.6	72°
3B-3K	0.8	7.1	72°

307



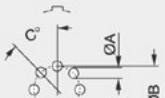
Series	Dimensions		
	A	B	C
0B-0K	0.6	3.00	60°
1B-1K	0.8	3.70	60°
2B-2K	0.8	5.80	60°
3B-3K	0.8	7.08	60°

308



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

308



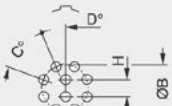
Series	Dimensions		
	A	B	C
2B-2K	0.8	6.4	45°
3B-3K	0.8	7.5	45°

309



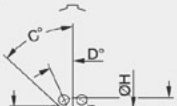
Series	Dimensions		
	A	B	C
0B-0K	0.6	3.2	45°
3B-3K	0.8	7.5	45°

310



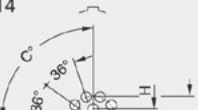
Series	Dimensions				
	A	B	C	D	H
1B-1K	0.6	3.95	45°	22°30'	1.4
2B-2K	0.8	6.20	45°	22°30'	2.15
3B-3K	0.8	7.90	45°	22°30'	2.80

312



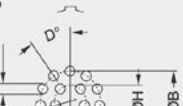
Series	Dimensions				
	A	B	C	D	H
2B-2K	0.8	6.5	45°	22°30'	2.8
3B-3K	0.8	8.2	45°	22°30'	3.4

314



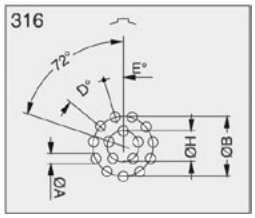
Series	Dimensions				
	A	B	C	H	I
1B-1K	0.6	4.4	90°	1.90	1.80
2B-2K	0.8	6.5	90°	2.65	2.65
3B-3K	0.8	8.2	90°	3.40	3.40

316

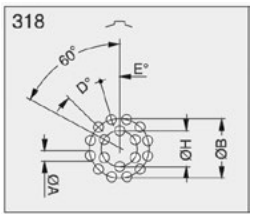


Series	Dimensions				
	A	B	C	D	H
1B-1K	0.6	4.4	72°	32°44'	2.0

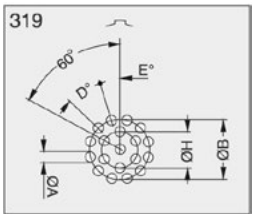
Fixed socket with straight print contact (B-K series)



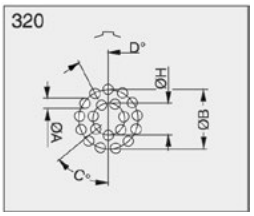
Series	Dimensions				
	A	B	D	E	H
2B-2K	0.8	6.6	32°44'	16°22'	3.10
3B-3K	0.8	8.4	32°44'	16°22'	3.86



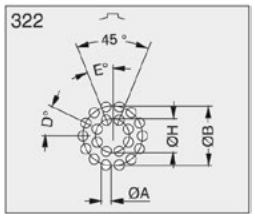
Series	Dimensions				
	A	B	D	E	H
2B-2K	0.8	6.7	30°	15°	3.50
3B-3K	0.8	8.4	30°	15°	4.34



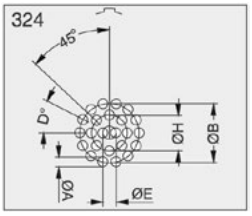
Series	Dimensions				
	A	B	D	E	H
3B-3K	0.6	8.62	51°26'	27°42'	4.78



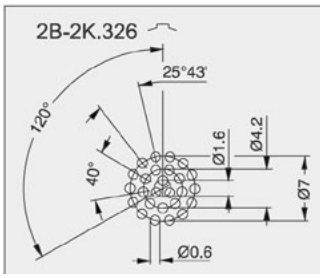
Series	Dimensions				
	A	B	D	E	H
2B-2K	0.8	6.7	30°	15°	3.5

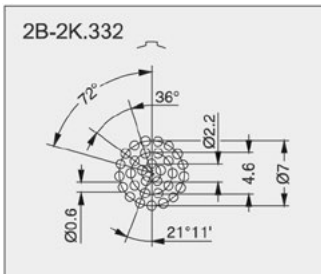


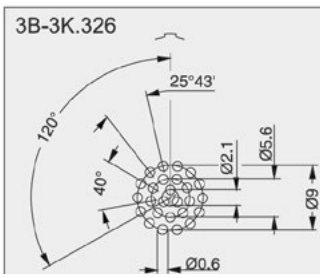
Series	Dimensions				
	A	B	D	E	H
3B-3K	0.6	8.8	25°43'	1.8	5.30

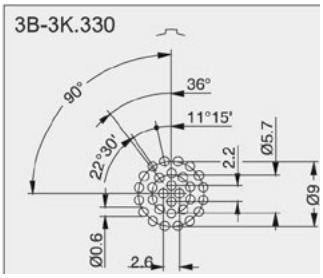


Series	Dimensions				
	A	B	D	E	H
3B-3K	0.6	8.8	25°43'	1.8	5.30



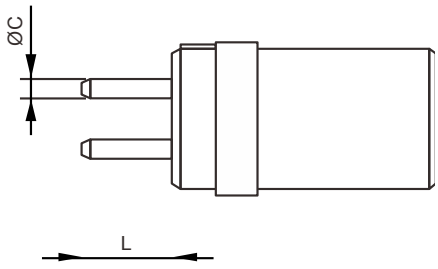






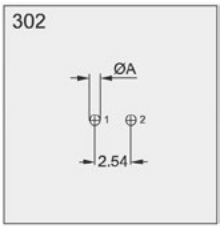
Length of straight print contacts (for socket)

Series	Type	Dimensiions	
		Ø C	L
00	302	0.5	3.0
	303	0.5	3.0
	304	0.5	3.0
0B	302/303	0.7	3.2
0K	304/305	0.5	3.2
	306/307/309	0.5	3.2
1B	302/303/304/305	0.7	3.0
1K	306/307/308	0.7	3.0
	310/314/316	0.5	4.0
2B	303/304/305/306/307	0.7	3.0
2K	308/309/310/312/314/316/308	0.7	3.0
	320/322/324/326/330	0.5	5.0
3B	302/303/304/305/306/307	0.7	3.0
3K	308/310/312/314/316/318/319	0.7	3.0
	326/332	0.5	3.0



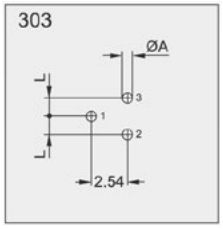
Fixed socket with elbow print contact (B-K series)

302



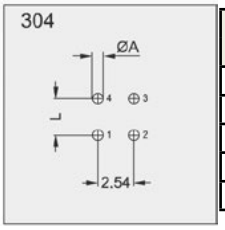
Series	Dim
	A
00	0.6
0B-0K	0.7
1B-1K	0.9
2B-2K	0.9

303



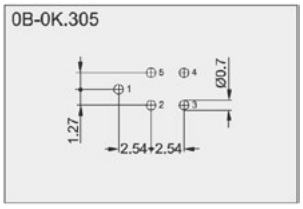
Series	Dimensions	
	A	L
00	0.6	1.27
0B-0K	0.7	1.27
1B-1K	0.9	1.27
2B-2K	0.9	2.54

304

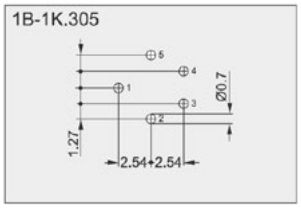


Series	Dimensions	
	A	L
00	0.6	2.54
0B-0K	0.7	2.54
1B-1K	0.7	2.54
2B-2K	0.9	3.50
3B-3K	0.9	2.54

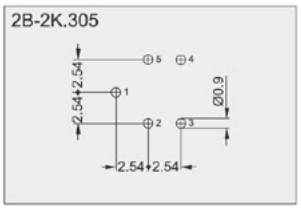
0B-0K.305



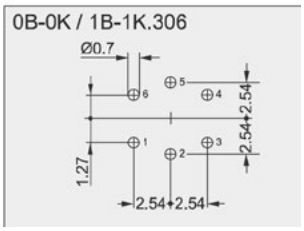
1B-1K.305



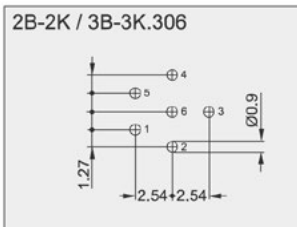
2B-2K.305



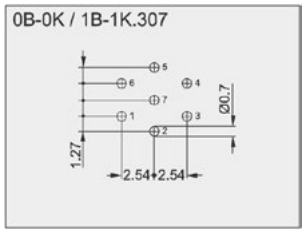
0B-0K / 1B-1K.306



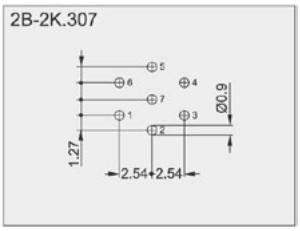
2B-2K / 3B-3K.306



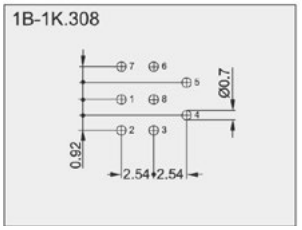
0B-0K / 1B-1K.307



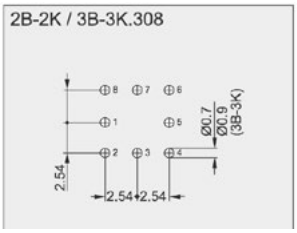
2B-2K.307



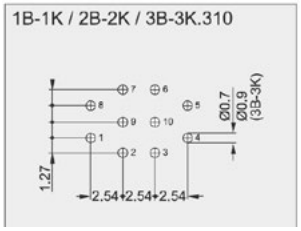
1B-1K.308



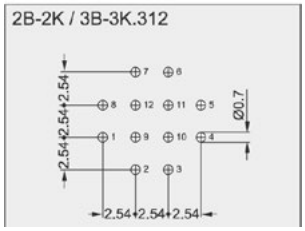
2B-2K / 3B-3K.308



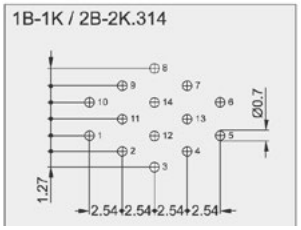
1B-1K / 2B-2K / 3B-3K.310



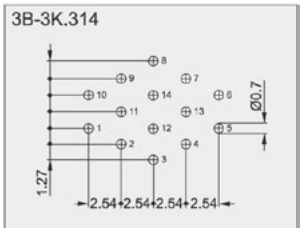
2B-2K / 3B-3K.312



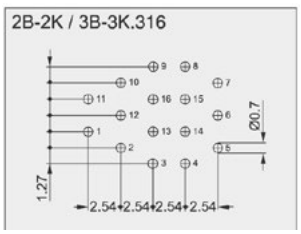
1B-1K / 2B-2K.314



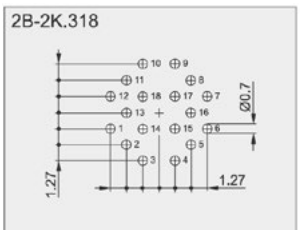
3B-3K.314



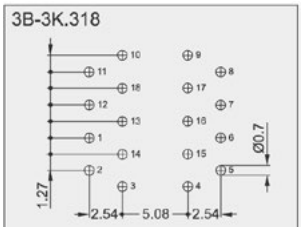
2B-2K / 3B-3K.316



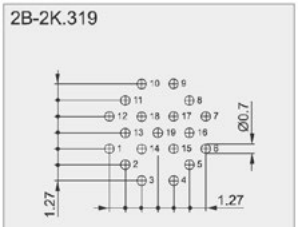
2B-2K.318



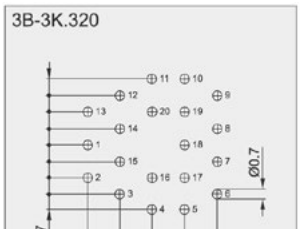
3B-3K.318



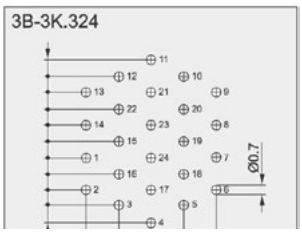
2B-2K.319



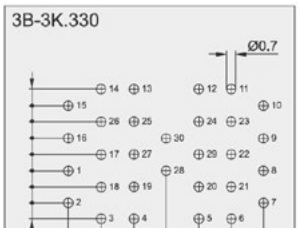
3B-3K.320



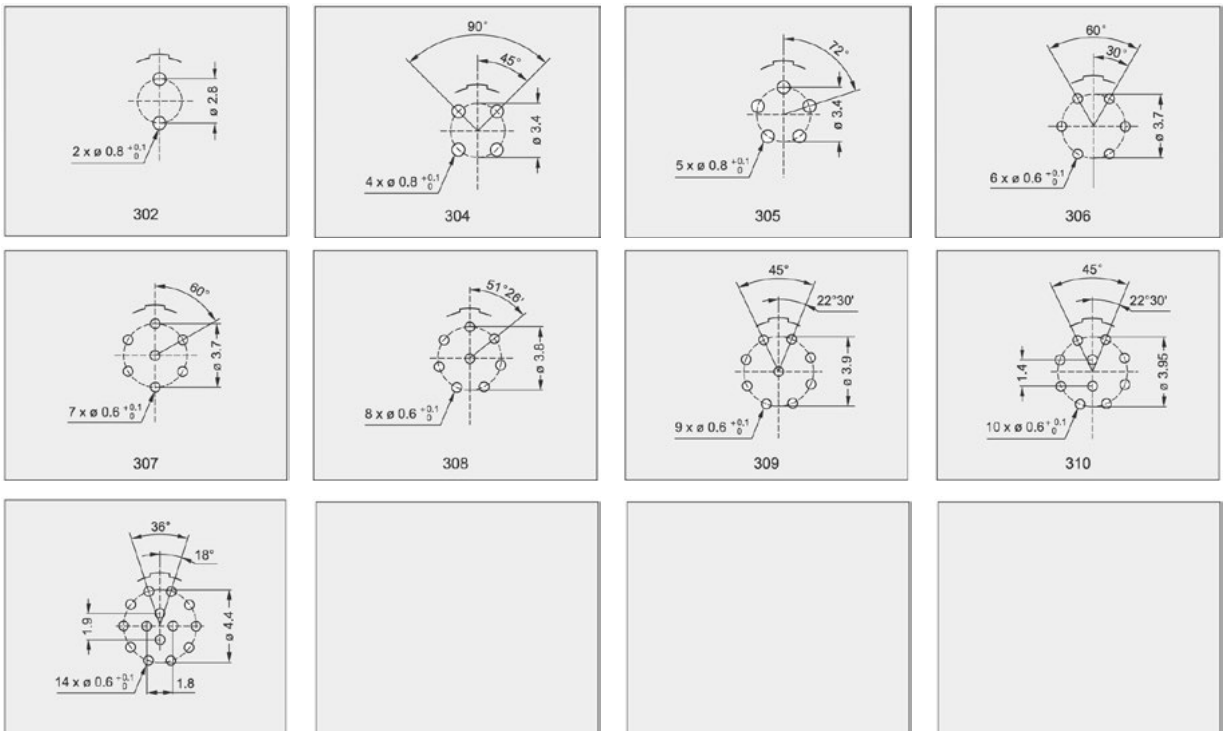
3B-3K.324



3B-3K.330

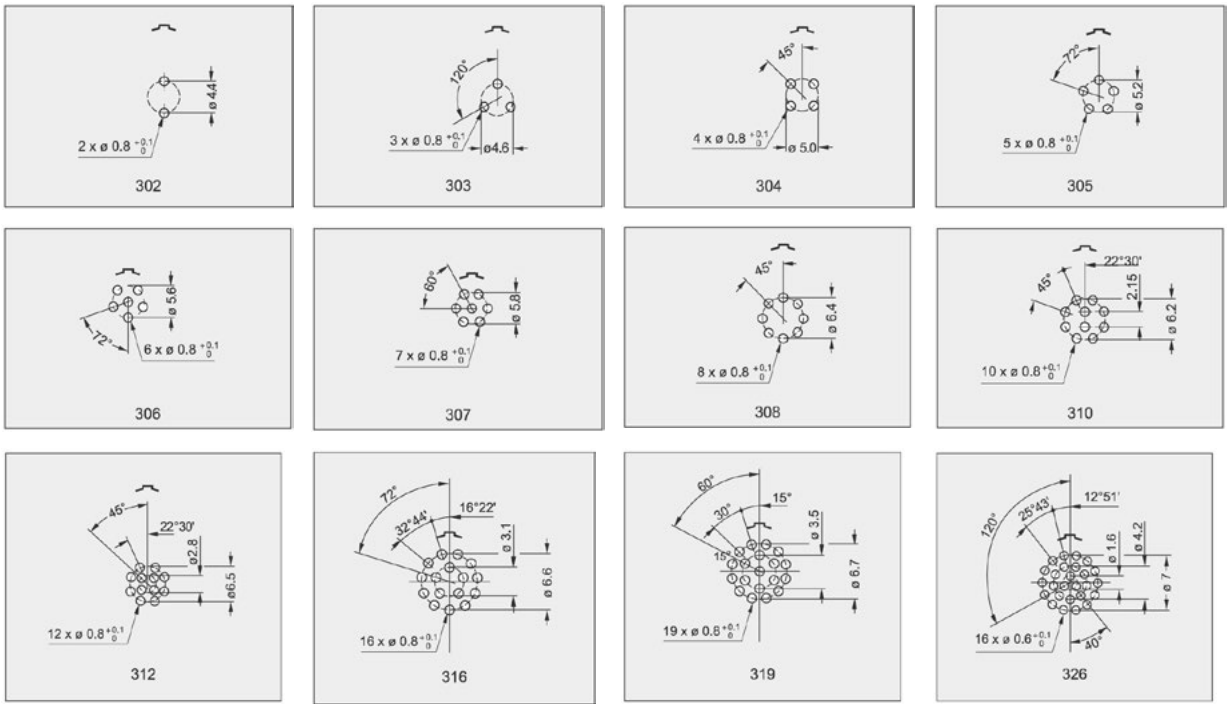


Fixed socket with straight print contact (1P series)



Note: All dimensions are in millimeters

Fixed socket with straight print contact (2P series)



Note: All dimensions are in millimeters

Cable Assembly

Cable stripping lengths (B series)



Series	Pin Count (P/N)	L (mm)	S (mm)	T (mm)
00	302/303/304	7.0	4	2.5
0B①	302/303	13.0	7	3.0
	304/305	13.0	7	3.0
	306/307/309	12.5	7	2.5
1B①	302/303	14.0	8	3.5
	304/305	14.0	8	3.0
	306/307/308	14.0	8	3.0
	310/314/316	13.5	8	2.5

Series	Pin Count (P/N)		L (mm)	S (mm)	T (mm)
2B	302		16.0	9	4.0
	303		16.0	9	3.5
	304/305/306/307		16.0	9	3.5
	308/310		15.0	9	3.0
	312/314/316/318/319		15.0	9	3.0
	326/332		15.0	9	2.5
3B	302		24.0	10	4.5
	303/304		23.0	10	4.0
	305/306/307		23.0	10	3.5
	308/310		22.0	10	3.5
	309	Ø1.3	22.0	10	3.5
		Ø2.0			4.0
	312/314/316/318		21.0	10	3.0
	320/322/324/326/330		21.0	10	3.0

Note:
1) In 0B and 1B series <L> and <S> dimensions shall be increased by 2mm for largest collet (D56 in 0B series, D76 in 1B series)
2) The tolerances on these dimensions are L ± 0.5mm, S ±0.5mm, T ±0.2mm
3) For the central contacts, the wires shall be reduced by 1.5~2.0mm

Cable Stripping Lengths (K Series)

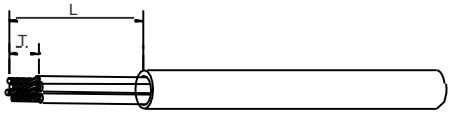


Series	Pin Count (P/N)	L (mm)	S (mm)	T (mm)
0K	302/303	9.5	6	3.0
	304/305	9.5	6	3.0
	306/307/309	10.5	6	2.5
1K	302/303	10.5	7	3.5
	304/305	10.5	7	3.0
	306/307/308	10.5	7	3.0
	310/314/316	13.0	7	2.5

Series	Pin Count (P/N)		L (mm)	S (mm)	T (mm)
2K	302		16.5	8	4.0
	303		16.5	8	3.5
	304/305/306/307		15.5	8	3.5
	308/310		14.5	8	3.0
	312/314/316/318/319		14.5	8	3.0
	326/332		14.5	8	2.5
3K	302		19.0	10	4.5
	303/304		18.0	10	4.0
	305/306/307		18.0	10	3.5
	308/310		17.0	10	3.5
	309	Ø1.3	17.0	3.5	3.5
		Ø2.0		4.0	4.0
	312/314/316/318		16.0	10	3.0
	320/322/324/326/330		16.0	10	3.0

Note:
For the central contacts, the wires shall be reduced by 15~2.0mm
The tolerance: L ± 0.5mm, S ±0.5mm, T ±0.2mm

Cable Stripping Lengths (P Series)



Series	Pin Count (P/N)	L (mm)	S (mm)
1P	302	14.0	4.0
	304/305	13.0	3.0
	307/308/309/310/314	12.5	2.5
2P	302	19.0	4.0
	303	19.0	3.5
	304/305/306/307	18.0	3.5
	308/310/312/316/319	17	3.0
	326	17	2.5

Note:
1) for the central contacts, the wires shall be reduced by 1.5~2.0mm
2) The tolerances on these dimensions are L ± 0.5mm, T ±0.2mm

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NanoConn Series NC805 is modeled after the popular MIL-DTL-38999 Series III connector series but with half the size and a sizeable weight savings. It is interchangeable and inter-mateable with Glenair's Mighty Mouse 805 series of connectors.

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MSWD Micro-D connectors are used in applications requiring highly reliable, extremely small, lightweight connectors with higher density contact configurations than available in traditional rectangular connectors. They are available in 7 shell sizes accommodating from 9 to 51 contacts with additional special arrangements available.

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