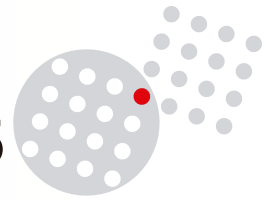


8STA Circular Miniature Connector Size 06-05



FEATURES

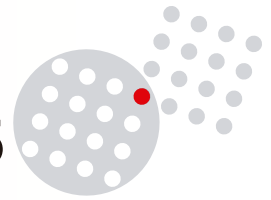
- Rugged aluminium body to ensure long service life in the harshest environment.
- Small compact connector with boot termination feature.
- Environmental sealing from interfacial seal & rear grommet.
- Positive locking mechanism with locked colour indicators.
- 6 colours coded keyway orientations.
- Conductive black zinc plating.
- Available with 5 size 26 gold plated crimp or PCB contacts.



TECHNICAL CHARACTERISTICS

Mechanical characteristics		Aluminium version
Shell		Aluminium alloy
Shell plating		Conductive black zinc
Insulator		Thermoplastic
Grommet and seal		Liquid silicone rubber
Contact		Copper alloy
Contact plating		Gold
Endurance		500 mating/unmating operations
Shock		300 g for 3 ms and MIL-S-901 Grade A
Vibration		147 m/s ² , 10 to 2000 Hz
Flash fire test		> 2 mn at 600°C
Contact retention		45 N
Electrical characteristics		Aluminium version
Test voltage		1300 Vrms
Contact resistance		< 16 mΩ
Resistance of wire included measurement		
Insulation resistance (at 500 Vdc)		≥ 5000 MΩ
Contact rating		3 A
Shell continuity		< 60 mΩ
Climatic characteristics		Aluminium version
Temperature range		-55°C to +175°C
Sealing mated connectors		IP67
Salt spray		48 hours
Resistance to fluids		
Lubricant (Oil)		MOTUL 300 competition
Unleaded petrol		(SP 95)
Motor car brake fluid		Lockheed DOT5

8STA Circular Miniature Connector Size 06-05



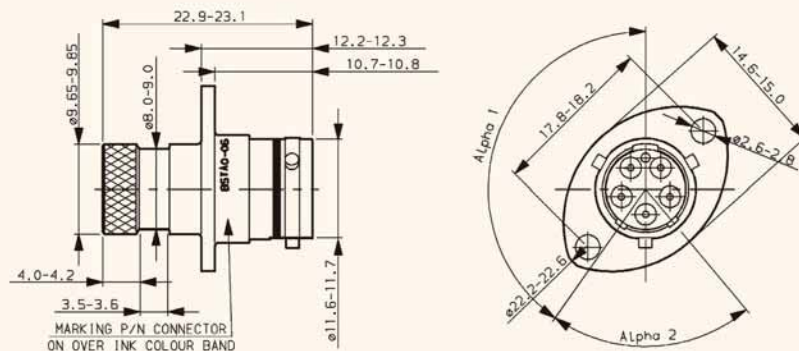
ORDERING INFORMATION

Basic series	8STA	0	06	05	P	N
8STA						
Shell style:	0: Oval flange receptacle (for front or rear mounting) 1: In line receptacle 2: Oval flange receptacle with PCB contacts 6: Plug					
Shell size:	06					
Contact layouts:	05 (5 contacts size 26)					
Type of contacts:	P: Pin contacts S: Socket contacts					
Orientation:	N: Red – A: Yellow – B: Blue – C: Orange – D: Green – U: Universal (only in aluminium alloy)					

Souriau part numbers for protective caps
8STA806 for plug and **8STA906** for receptacle

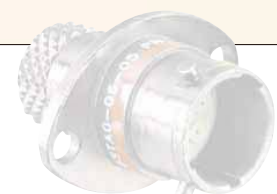
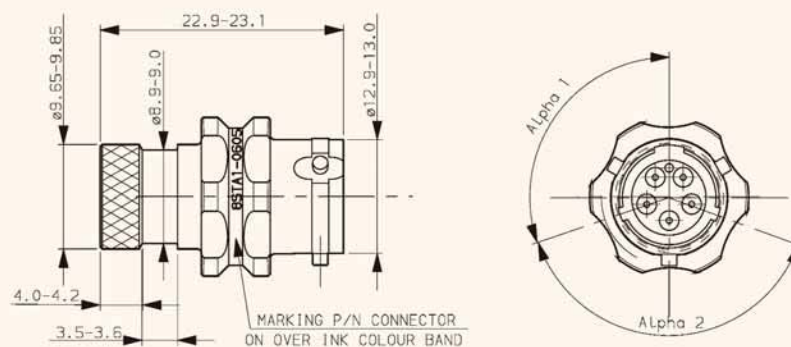
Type 8STA 0 0605 Oval flange receptacle

See table orientation page 22
 for Alpha 1 & Alpha 2 values

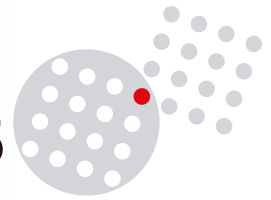


Type 8STA 1 0605 in line receptacle

See table orientation page 22
 for Alpha 1 & Alpha 2 values

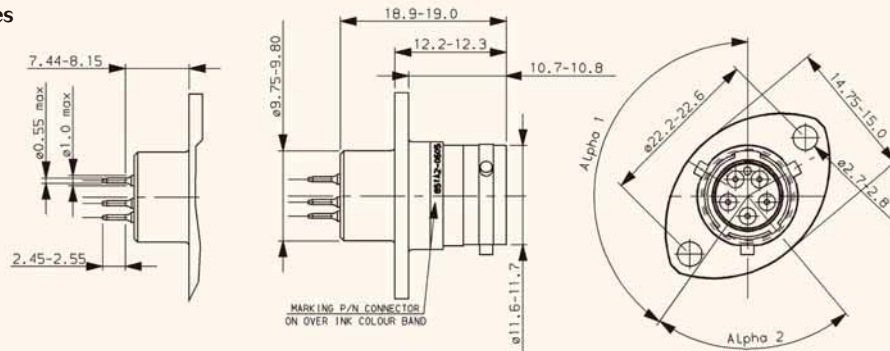


8STA Circular Miniature Connector Size 06-05



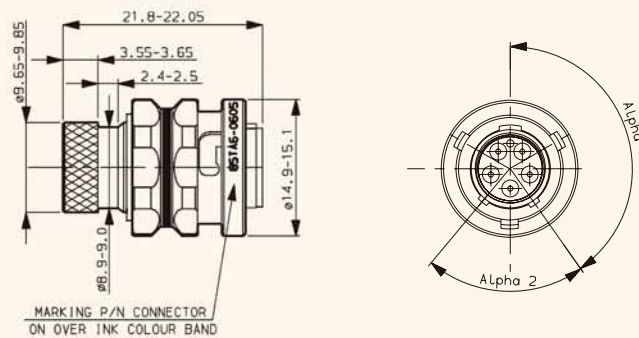
Type 8STA 2 0605 Oval flange receptacle with PCB contacts

See table orientation page 22
for Alpha 1 & Alpha 2 values



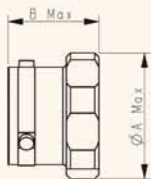
Type 8STA 6 0605 Plug

See table orientation page 22
for Alpha 1 & Alpha 2 values



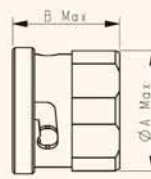
Metal protective caps

Plug cap 8STA806



Shell size	Ø A Max.	B Max.
06	15.10	11.00

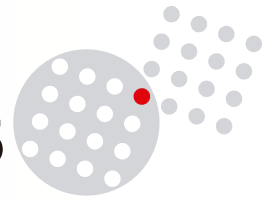
Receptacle cap 8STA906



Shell size	Ø A Max.	B Max.
06	15.10	11.00



8STA Circular Miniature Connector Size 06-05



Crimp & PCB contact:

Contact size	Contact type	Contact Dia.	Part numbers	Admissible wire section				External dia. over	
				AWG		mm ²		Insulation mm	
Crimp contact				Min.	Max.	Min.	Max.	Min.	Max.
26	Male	0.50	8599-7922 LY	30	24	0.095	0.24	0.60 (.023 inch)	0.83 (.032 inch)
	Female		8599-7923 900						
PCB contact									
26	Male	0.50	F1P1P3C-0001ALY						
	Female		F1P1ES3-2601A00						

Crimping:

Contact size	Wire sizes	Type	Locator part number		Tool part number	
	AWG		Spec.	SOURIAU	Spec.	SOURIAU
26	24 to 30	Male	-	8599-0048	M22520/2-01	8476-01
		Female	-	8599-0049		

Insertion and extraction of wired contacts:

Coloured tip for insertion white tip for extraction.	Contact size	Part number		Colour	
		Spec.	SOURIAU	Insert.	Extract.
	26	M81969/14-01	-	Green	White

Shrinkable termination detail:

	Shell size	Ø A	Ø B ±0.06	C ±0.05	D ±0.05
	06-05	9.90	9.05	4.20	3.50

Panel cut-out:

	Ø A ±0.10	13.00
	B ±0.20	18.00
	Ø C ±0.20	3.10

Orientation:

Key positions	Alpha 1	Alpha 2	Colour band
N	145°	75°	RED
A	130°	120°	YELLOW
B	110°	120°	BLUE
C	155°	115°	ORANGE
D	90°	115°	GREEN
U	NONE	NONE	NONE