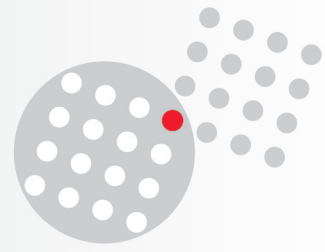
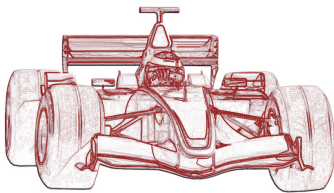


8STA size 02 Hermetic Connector



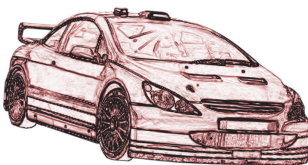
Applications



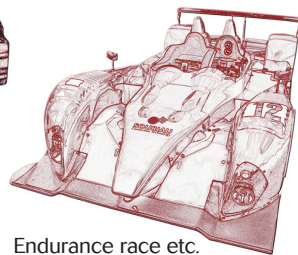
Formula 1 etc.



Moto GP etc.



Rally etc.



Endurance race etc.

8STA size 02 hermetic connector can be used in applications such as temperature or pressure sensors as well as in some industrial applications where space reduction is a primary objective.

Benefits

The smallest hermetic circular 5 way PC tail connector on the market

Lightweight 8STA connector

- Miniaturisation
- Weight: 3 grammes

Suitable for welding directly to sensor bodies

- Designed for weld fixing

Excellent corrosion resistance

- Stainless steel body

Excellent hermeticity

- Hermetic glass bead (1.10^{-7} cm³/s)

Intermateable with standard 8STA plug size 02-05

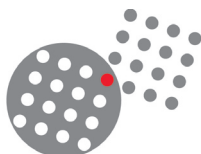
- Standard plug 02-05

Easy identification with colour coded bands

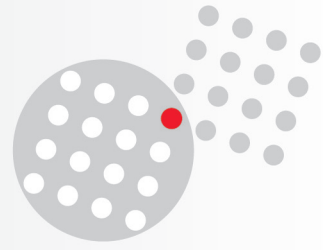
- 7 visual keyway orientations

Rapid & secure locking system with audible click

- Bayonet connector



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8STA size 02 Hermetic Connector

Technical characteristics

Mechanical

- Durability 500 matings & unmatings
- Vibration resistance 10 to 2000 Hz 30g
- Shock resistance 300 g for 3 ms and MIL-S-901 / Grade 1

Electrical

- Test voltage 400 V (sea level)
- Contact resistance 2 mΩ
- Insulation resistance 500 Vdc: ≥5000 MΩ
- Contact rating 3 A

Environmental

- Operating temperature -55°C to + 175°C
- Sealing (mated) IP67 (1 metre -30 minutes min.)
- Salt spray resistance 48 hours
- Hermeticity $1.10^{-7} \text{cm}^3/\text{s}$

Material

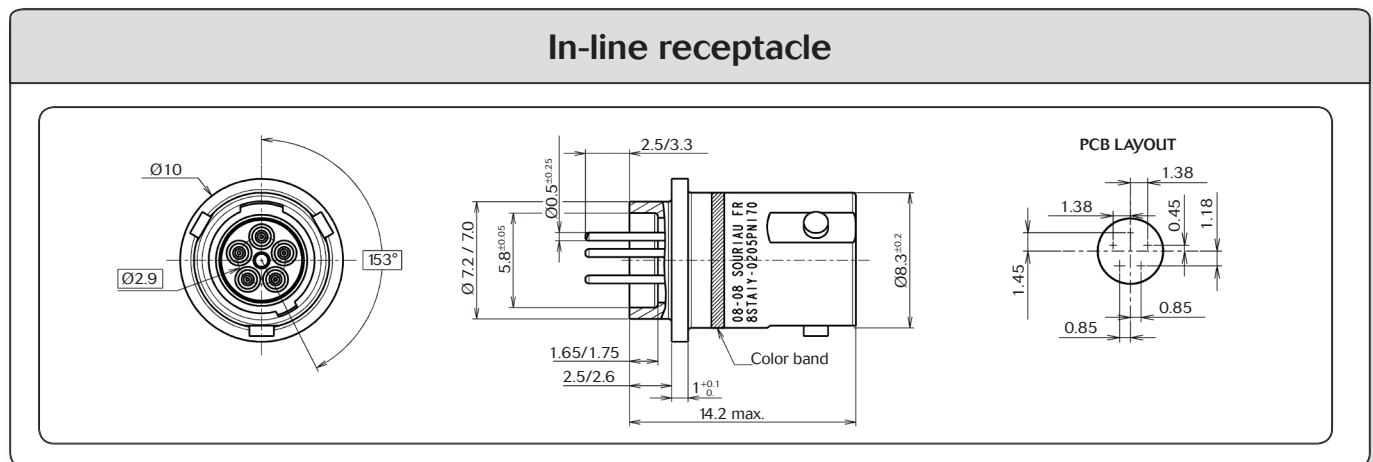
- Shell Stainless Steel
- Shell plating Passivated
- Insulator Glass bead
- Interfacial seal Silicone elastomer
- Contact Copper
- Contact plating Iron-nickel

Ordering information

Type	8STA	1	y	02	05	P	N	170
Shell style	1	In-Line connector						
Class	y	Passivated stainless steel						
Shell size	02							
Layout	05	5 straight spill contacts #26						
Contact gender	P	Pin contact						
Orientation	N: Red / A: Yellow / B: Blue / C: Orange / D: Green / E: Gris / U: Universal							
Specification*	170							

*Mandatory

Presentation



Note: all dimensions are in mm

For further information, visit our website www.motorsport-connectors.com or contact us at contactindustry@souriau.com