



8STA Hermetic Fuel Tank



Features & Benefits

- Hermetically sealed connector - $1.10^{-7} \text{ cm}^3/\text{s}$ @ 15PSI
- Withstands pressure differential without loss of electrical performances
 - Glass to metal insert
- Excellent resistance to racing fuels & fluids
 - Viton® interfacial seal
- Excellent corrosion resistance
 - Stainless steel material
- Low profile design for heat shrink boot & cost effective connector
 - Integrated backshell

Technical characteristics

Mechanical

- | | |
|------------------------|-------------------------------|
| • Shell | Stainless steel |
| • Shell plating | Passivated |
| • Insulator | Glass bead |
| • Contact | Nickel Iron |
| • Contact plating | Gold |
| • Endurance | 500 matings/unmatings |
| • Shock resistance | 300 g for 3 ms and EIA-364-27 |
| • Vibration resistance | 10 to 2000 Hz 30g |

Electrical

- | | |
|-------------------------|--------------------------------|
| • Test voltage | 1800 V / Service I (sea level) |
| • Contact resistance | 2 mΩ |
| • Insulation resistance | ≥ 5000 MΩ (at 500 Vdc) |
| • Contact rating | Size 16: 10 A
Size 20: 5 A |

Climatic

- | | |
|----------------------------|------------------------------------|
| • Temperature range | -55°C to +175°C |
| • Sealing mated connectors | IP67 (1 metre for 30 min. minimum) |
| • Salt spray | 48 hours |
| • Hermeticity | $1.10^{-7} \text{ cm}^3/\text{s}$ |

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How to order

Basic series	8STA 7 y 10 98 P N 022
Shell style	7: Jam nut receptacle
Class	Y: Hermetic version
Shell size	10 - 12 - 14
Layouts	See layouts available below
Contact gender	P: Pin contacts
Orientation	N: Red / A: Yellow / D: Green
Specification*	022: Fuel immersible version

* Mandatory

Contact layouts (viewed from front face of male insulator)

Size 10	Size 12	Size 14
98 6 #20 Service I	04 98 4 #16 10 #20 Service I Service I	97 4 #16 8 #20 Service I

Range presentation

Jam nut receptacle

PANEL CUT OUT

Shell size	ø A max.	ø B max.	C max.	ø D max.	E Thread	PANEL CUT OUT	
						ø F ±0.10	G ±0.20
10	15.04	28.40	25.95	20.50	M18 x 1	17.70	16.80
12	19.09	33.00	30.75	23.67	M21 x 1	22.70	20.90
14	22.26	36.30	33.85	26.84	M24 x 1	25.70	24.10

Note : all dimensions are in mm