



### Description

- Available for 8STA & 8TA series
- Special fuel resistant insert: continuous immersion without loss of performance
- Excellent connector sealing on panels by using the jam nut version

## Technical specifications

### Mechanical

#### Shell

Aluminium alloy

#### Shell plating

Conductive black zinc

#### Insulator

Thermoplastic

#### Grommet & seal

Fluoroelastomer

#### Contact

Copper alloy

#### Contact plating

Gold

#### Endurance

500 mating cycles

#### Shock

300g for 3ms and EIA-364-27

#### Vibration

8STA: 147m/s<sup>2</sup>, 10 to 2000Hz

8TA: random 100 to 1000 Hz - 1G<sup>2</sup>/Hz

#### Contact retention

(8TA: Size 22D only)

Size 22D: 45 N

Size 20: 60N

Size 16: 100 N

Size 12: 100 N

### Electrical

#### Test voltage

1300 Vrms

#### Contact resistance

(8TA: Size 22D only)

Size 22D: 14.6 mΩ

Size 20: 7.3 mΩ

Size 16: 3.8 mΩ

Size 12: 3.5 mΩ

#### Insulation resistance

≥ 5000 MΩ (at 500 Vdc)

#### Contact rating

(8TA: Size 22D only)

Size 22D: 5 A

Size 20: 7.5 A

Size 16: 13 A

Size 12: 23 A

#### Shell continuity

≤10 mΩ

### Environmental

#### Operating temperature

-55°C to +105°C

#### Sealing mated connectors

IP67 (1 meter for 30 min minimum)

#### Salt spray

48 hours

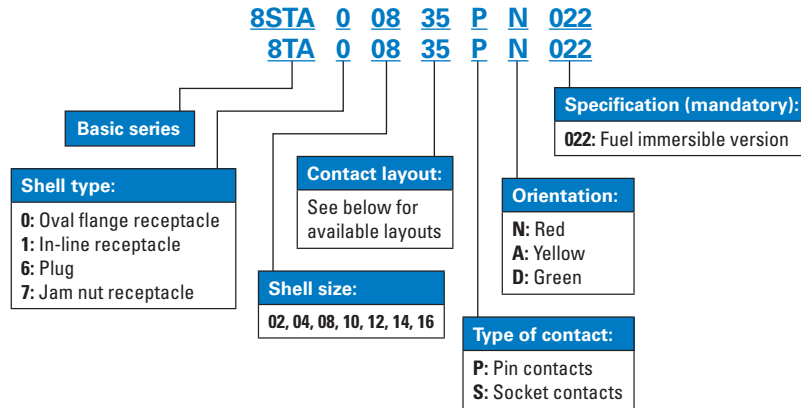
#### Resistance to fluids

Withstands most motorsport fluids

# 8STA/8TA series fuel immersible

Ordering information

## Part numbers



## Contact layouts (viewed from front face of male insulator)

