

Motorsport Interconnect Solutions



SOURIAU - SUNBANK
Connection Technologies

SOURIAU in the Motorsport Market

SOURIAU is a recognized world-wide market leader in the design and manufacture of connectors and interconnect systems for harsh environments. The relationship between the Company and the Motorsport industry goes back many years. SOURIAU's main production facility is located in Le Mans and since 1990 we supply connectors to local racing teams for the world famous 24 Hours Endurance Racing.

The Motorsport activity is a market where more and more electronics are installed and where space and weight constraints become more critical. Our connectors are designed to be smaller and lighter with high reliability features to protect the driver and are used across the world of motorsport on 2 and 4 wheels.

SOURIAU Values

HIGH DENSITY

RELIABILITY

REACTIVITY



8STA Hermetic Size 2
Compact rugged profile
Stainless steel body
Designed for weld mounting



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8STA Shell Size 01
26 removable contacts
20% smaller than a shell size 02
For wire from AWG 24 to 30



8TA Compact Low Profile
Rugged aluminium body
Derived from MIL-DTL-38999 Series 2
Conductive black zinc plating

Sensors

Extreme vibration, restricted areas

World's smallest motorsport connector.
Ultra compact, very lightweight design.
Reliable performance in severe vibration environment.



8STA Protective Cap
Fluid and dust protection
With or without lanyard
Available for all shell sizes



© SOURIAU

Fuel Pump

Fuel, oils and lubricant immersion

Fuel resistant fluoroelastomer seals.
Extremely reliable in continuous immersion.



8STA Fuel Tank
Viton interfacial seal
High performance in immersion
Withstands most of motorsport fluids



8STA Hermetic
Glass bead insulator
 1.10^{-7} cm³/s hermiticity
Low profile design for heat shrink boot



microComp®
High density layout
From 7 to 104 contacts
Compact composite shape



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Engine Control Unit

High power load, critical function

Extensive layout options allow flexible ECU design and tailored connector solutions.
Extremely reliable in harsh environments.
PCB versions available.



8STA High Density
High density #26 contact
Removable contacts
The highest density in size 14 shell

8STA PCB Version
5mm standard PC tail contact
Shell sizes from 02 to 24
Available for high density layouts



8D High Power
Silver plated contact
Straight or elbow contact
Plastic cap on pin to prevent electrical shock



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Power Distribution

You've got the power!

Possibility to mix power with signal contacts.
Bulkhead 8STA Series for fire panel application.
Up to 850A for single way 8D Series connector.

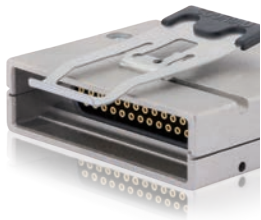


8STA Power

#4 and #8 power contacts available
Up to 200A continuous
From -55°C to +175°C withstanding

8STA Mix Power and Signal

Space and cost saving with mixed connectors
Only one connector instead of 2 to transmit signal and power



microComp® Quick latch
Removable contacts
Up to 175°C
High vibration withstanding



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Quick Release

Frequent disconnect, difficult areas to reach

Fast disconnect without any mating/unmating handle operation.
Rack & Panel solution to compensate misalignment in 3 axes.
8STA Steering Series can be used with quick release steering wheel system.



8STA Steering Boss System

Designed for steering column using
Standard range insulator
#22 contact layouts



8STA Blind mating

Rack and panel solution
Available from sizes 10 to 16
Used with standard jam nut



8STA Clinch Nuts

A convenient and time saving
Elimination of nut plates
Crimp and PC tail versions



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Lightweight

Save weight, save seconds!

Provide the optimized solutions from the standard range.
Composite shell allows a long life in salt spray environment.
Allow connection in minimized areas.



8STA Composite

40% lighter than aluminum shell
500 hours salt spray withstanding
Glass fibre loaded composite shell

8STA Miniature

Rugged aluminum shell sizes 02 to 06
7 color-coded keyway orientations
Black zinc or nickel plating



**8STA Long Reach
Jam Nut**
Designed for thick panel



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Custom Solutions

Let your need take the lead

Due to the constant innovative needs from the Motorsport market, SOURIAU is dedicated to produce derived products on demand.



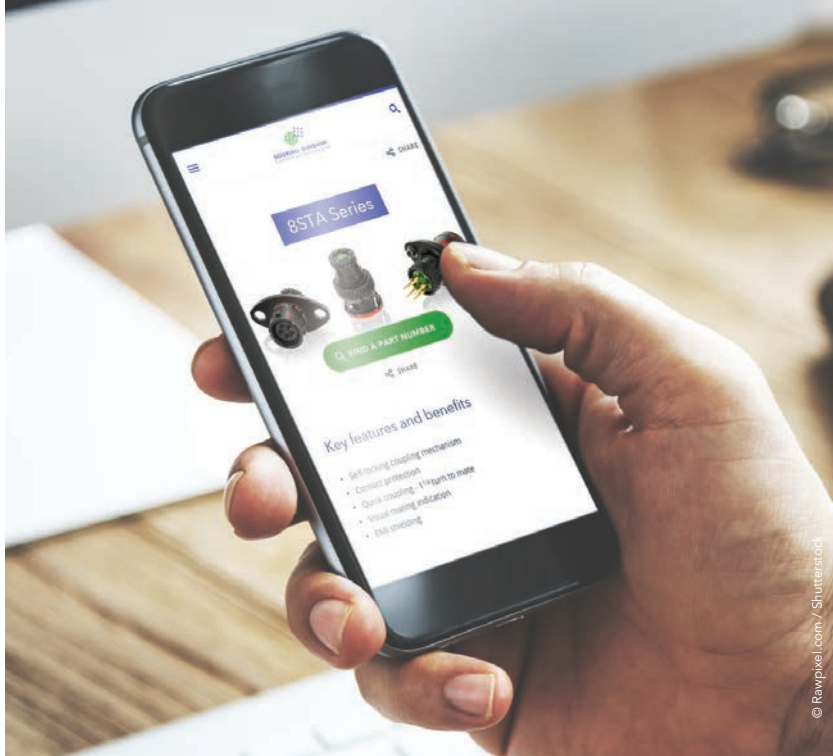
8STA Single Hole Fixing
Box mounting smart design
Half flange weight saving
Tight area fitting



8STA Double Rackable
Specific plug with removable flange
Realignment on plug and receptacle
Contact size #26



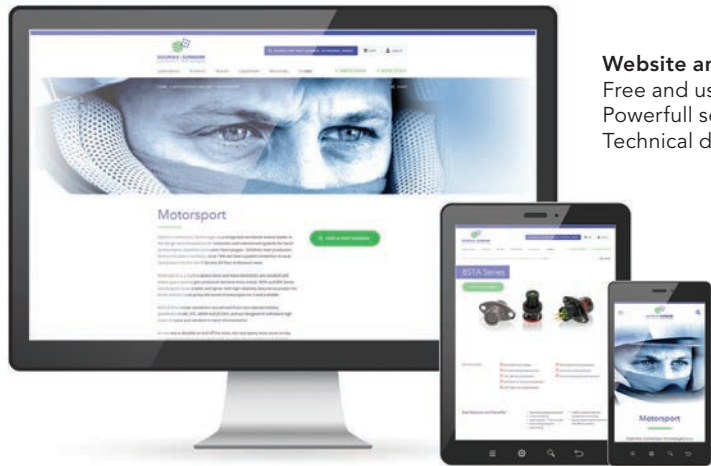
Sales Network
High levels of finished
connector stock from our
worldwide distributors



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A High Service Level

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Powerfull search tool
Technical data and wiring instructions



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