Nuclear Interconnect Solutions





SOURIAU

CUSTOMS SOLUTIONS

MILD ENVIRONMENT QUALIFIED

EPR SOLUTIONS

QUALITY

LOCA QUALIFIED

GLOVEBOX

SOURIAU

HOT CELL



SOURIAU in the

Nuclear Market

SOURIAU is a recognized worldwide market leader in the design and manufacture of connectors and interconnect systems for severe environments.

Presents in the nuclear industry for more than 40 years, SOURIAU offers high performance and reliable solutions for the most critical Nuclear applications, including safety instrumentation and controls.

SOURIAU Nuclear connectors are able to withstand the most severe radiation, temperature and pressure operating conditions. The range include LOCA and non-LOCA connectors for use inside and noutide reactor building of Nuclear Power Plants, as well as advanced connectors for use in Gloveboxes and Hot-Cells.

SOURIAU Nuclear connectors are qualified according to the main nuclear industry standards.



ULC PushthroughEnsure Glovebox hermeticity Easy and ultra-safe replacement of the electrical

insert

Exclusive replacement tool



Glovebox Solutions

Safe, ergonomic and quick push-pull connection. Ruggedized product, low weight, high radiation and temperature resistant. UL certified.



ULC Quick-Connect Series

Push-pull connection Minimized mating force Fluid resistant

ULC Junction Boxes

Quick connect junction boxes Up to 8 outputs Environment sealed



ULC Remote Operable Series

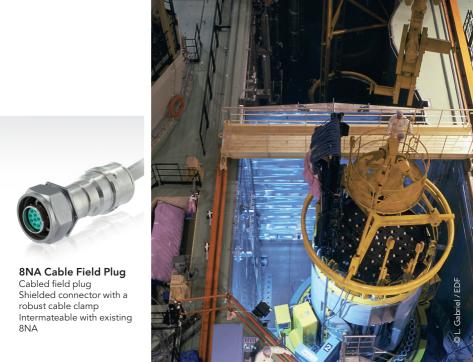
Remote operable Suitable for reduced access



Hot-cell Solutions

Push-Pull locking mechanism suitable for Master-Slave and Robotic Power Manipulators. Easy connection with dedicated gripping interfaces and premium guiding options. High radiation temperature resistance.





OCA QUALIFIED

The LOCA Qualified Solutions

Class 1 E LOCA solutions suitable for reactor safety equipment



8NA Series

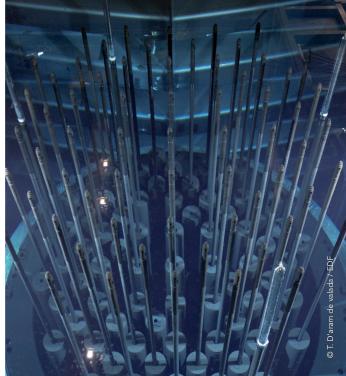
Class 1E LOCA, RCC-E K1 qualified Hex nut screw coupling With robust flexible metal conduit and multi input/output junction boxes Used for 40 years in PWR plants

8NB Series

Class 1E LOCA (qualification pending) Quick connect, bayonet type Easy installation on device (NPT and welded receptacles)



8NS Series RCC-E K2/K3 qualified Screw coupling Numerous cable accessories



Mild Environment Qualified Solutions

Suitable for inside containment for safety instrumentation and control application



8N45(S) Series RCC-E K2/K3 qualified Quick connect, bayonet type High sealing and shielding performances (8N45S) Integrated cable clamp

MEN Series

RCC-E K2/K3 qualified Ruggedized series For power and control devices Used for 40 years on reactor control rod drive mechanism applications



8N45S SeriesRCC-E K2/K3 qualified
New sizes and junction boxes
Quick connect, bayonet type
High sealing and shielding
performances



EPR SOLUTIONS

EPR Solutions

Enhanced shielding performances

Compliant with the EPR wiring specifications CST 74C030.02. Integrated 360° shielding mechanism.



8NA Series

Class 1E LOCA, RCC-E K1 qualified High shielding performances over a wide frequency range Perfect sealing of braid bonding zone



8NA Cable Field Plug

Class 1E LOCA, RCC-E K1 qualified (pending) High radiation resistant Easy mating with heavy weight cables Shielded connector



HAF 604

SOURIAU is registered with China National Nuclear Safety Administration (NNSA), in accordance with HAF604 regulation



Quality

SOURIAU Quality Program meets international industrial and nuclear standards

Designed to resist to radiations as well as to extreme temperature and pressure conditions that could result from a nuclear accident, SOURIAU connectors are qualified and manufactured according to the main worldwide nuclear industry standards.

Nuclear standards, codes and accreditation:

- RCC-E code
- IEEE 323, 344, 382 and 572
- ASME NQA-1 (10 CFR 50 App. B)
- 10 CFR 21
- HAF604 (Design & Manufacturing)
- UL 1977

Other Certifications:

• ISO 9001 / EN 9100





ECT / SOURIAU Laboratory Attested as an

Attested as an independent Laboratory by LCIE (Bureau Veritas) in compliance with ISO17025

CUSTOM SOLUTIONS

Custom Solutions

From customer expectations to qualified innovative products



8N45S Series

Ask for wired receptacles and cabled plugs ready to install! RCC-E K2/K3 qualified

ULC Remote Operable Series

Adapt connector plug shell to your specific manipulator and working conditions

SOURIAU Exclusives:

EXTENSIVE RANGE

Interconnect solutions dedicated to each segment of the nuclear industry

PROVEN DESIGN

Over 40 years of field experience

QUALITY

SOURIAU global quality assurance program

CUSTOM SOLUTIONS CAPABILITIES



SOURIAU: A High Service Level

Worldwide Availability: A Global Network with Local Presence to Serve our Customers



Reliable People, Reliable Solutions

Reliable People, Reliable Solutions



SOURIAU

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