

UTGX: the next generation of bayonet connectors for harsh environments.



A versatile, ruggedized solution for industrial applications

Waterproof, shock-proof and UV resistant, the UTGX series can withstand continuous underwater immersion, routine pressure washing, dirt and dust and other harsh conditions.

Ideal for both indoor and outdoor applications with a lifespan of up to 27 years in-application, the UL/IEC certified UTGX series connectors are **a safe and reliable solution.**

Improve efficiency with lightweight, versatile and quick mating connectors

The UTGX series can be used in a wide range of configurations and electrical layouts, allowing you **to save space on your equipment.**

While the bayonet locking mechanism ensures a quick and secure connection and disconnection, other updates to the lightweight design make the UTGX series connectors easier than ever for operators to handle quickly. Especially in high-mating cycle applications, **UTGX will save time and money for your business.**

Upgrading has never been easier

The new Souriau UTGX Series uses Trim Trio® contacts. A single design for Machined, Stamped and Formed and Highspeed contacts, making **it quicker, easier and more cost effective to upgrade.** By using the same contacts, the switch from one connector series to another doesn't require tool or panel cut-out modifications.



Powering Business Worldwide

Souriau UTGX technical specifications

Technical features

Materials

- Body connector and backshell: Thermoplastic
- Insert:
 - UTGX Standard, UTGX Single Wire Sealed, UTGX Screw Termination Contacts: Thermoplastic
 - UTGX Sealed Unmated Handsolder & UTGX Sealed Unmated with PC Tails Contacts: Elastomer
- Nut: Metal
- Contacts: See web site
- Halogen free
- RoHS compliant & conforms to the Chinese standard SJ/T1166-2006 (Chinese RoHS equivalent)



Environmental

- Temperature class: **IEC61984** from -40°C to +105°C
- Flammability rating:
 - **UL94 V-0** for UTGX standard
 - **UL94 HB** for UTGX Hi-seal
- R22 HL2 / R23 HL2 according to NF EN 45545 for UTGX standard only
- Salt spray: Per EIA-364-26: 500 hours
- UV resistant: Connector made with (f1) material according to **UL746C**
- Outdoor used following level 6/6P according to UL50/UL50E
- Aging validation: **ISO 21207 Method B, 5 cycles**. Corresponding to 27 years in an industrial environment
- Sealing:
 - UTGX Standard: **IP68/IP69K** dynamic (mated)

- UTGX Sealed Unmated version: **IP68/IP69K** dynamic (unmated)
- UTGX Single Wire Sealed: **IP67/69K** (up to IP68 with double sealing backshell)
- UTGX Screw Termination Contacts: IP68/IP69K dynamic (mated)

Note: IP68=10 m underwater during 1 week

- Fluid resistance:
 - Gas and oil
 - Mineral oil
 - Acid bath
 - Basic bath
 - Chlorine

Electrical

- In accordance with:
 - **UL 1977:** Category ECBT2 File number: E169916
 - **C22.2 n°182.3:** Category ECBT8 File number: E169916
 - **IEC61984**

- Voltage and current information available on web site

Mechanical

- Durability: 500 matings and unmatings according to IEC 60512-9a
- Vibration Sinus from 10 to 2000Hz ; 20grms according to IEC60512-6-4
- Thermal shock: According to **MIL-DTL-26482** and **EIA364 32**
- IK impact test: See web site

Overview



Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

Aerospace Group
Souriau S.A.S
9, Rue de la Porte de Buc
78000 Versailles
France
Eaton.com/souriau

For more information:
technical.emear@souriau.com
(Europe-Asia-Africa)
technical.americas@souriau.com
(North America)

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