

UTLR: the Low Profile UTL connector



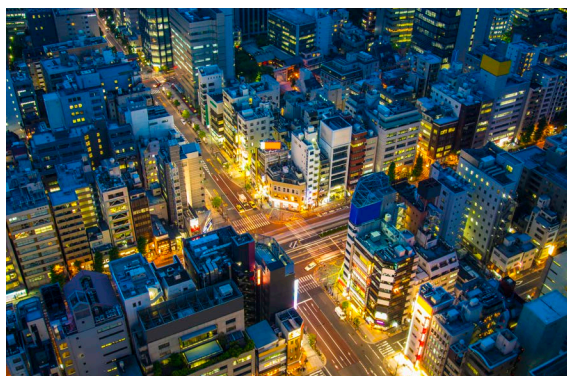
Versatile, durable solution for lighting applications

Part of the UTL series, the UTLR is a low profile rectangular plastic connector initially designed to reduce space for outdoor lighting LED bars, but suitable for multiple industrial applications thanks to a high sealing performance (IP68/IP69K) and an extreme UV resistance with f1 material per UL746C. Designed and qualified according to the UL1977 and IEC61984 standards, the UTLR connector offers a 5VA flammability rating, hot wire, and current breaking capacity to meet all standards of industrial equipment. The UTLR connector is an ideal fit for the most compact applications.

Installation has never been easier

The UTLR connector can be used in a wide range of configurations and wiring diagrams, saving space on your equipment. The UTLR uses # 16 crimp contacts in different types of plating corresponding to your requirements.

The latch locking mechanism allows a fast connection even in blind mating conditions and secure connection and disconnection thanks to its audible click. Easy and quick to manipulate and to connect, the UTLR saves your business time and money.



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Souriau UTLR technical specifications

Technical features

Materials

- Housing: thermoplastic
- Contacts: copper alloy
- Latch: stainless steel

Environmental

- Temperature class (according to IEC61984): from -40°C to +105°C for connector
- Flammability rating:
 - UL 94: V-0 for connector
 - UL94: 5VA for thermoplastic
 - UL746C: 5 inch (127mm) end-product flame test
- Salt spray: ≥1,000 hours
- UV resistant: no mechanical degradation or important color variation due to environmental exposure (f1 material per the UL 746C)
- Sealing:
 - IP68/69K mated with standard contacts
 - Moisture proof capability
- Fluid resistance:
 - Gas and oil
 - Mineral oil
 - Acid bath
 - Basic bath
 - For other fluids, please consult us
- Halogen free
- RoHS compliant

Connector part number

Contact type	Connector type	Part number	
		Male insert	Female insert
Crimp contacts supplied separately	In line receptacle	—	UTLR1103G1S
	Plug	UTLR6103G1P	—

Standard delivered packaging: individual bag. For bulk delivery of 100 pcs please add a "B" after the P or S (connector gender) and before the potential "03" digits.

Electrical

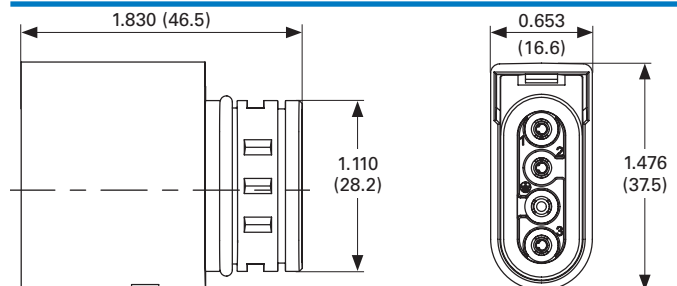
- Connector specially designed to be engaged or disengaged in normal use when live or under load
- First mate last break contact mating on ground line
- Finger touch proof (connector equipped with socket contacts)
- In accordance with:
 - Connector standards:
 - UL 1977: UL file number ECBT2.E169916
 - IEC 61984: please consult us
 - C22.2 N°182.3: file number ECBT8.E169916
 - Equipment standards:
 - IEC60065, IEC60598, IEC61076-2-103, IEC60320
 - Raw material standards:
 - UL94
 - UL746

Mechanical

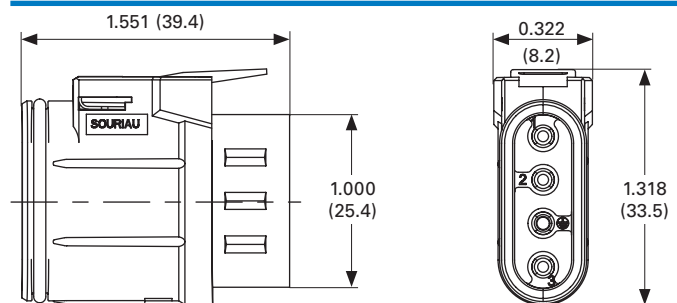
- Durability:
 - 250 mating in CBC (current breaking capacity) use (UL1977; IEC61984)
 - 500 mating in COC use (IEC61984)
 - 1,000 matings & unmatings tested
- Coupling system:
 - Sensitive and audible click
 - Blind mating
- Touchproof: IP2X in unmated condition (connector equipped with socket contacts)
- Shock: IK07 according to IEC62262

Dimensions in inches (millimeters)

In line receptacle - UTL1



Plug for overmoulding - UTL6



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