UTLR: Low profile UTL connector



Versatile and durable 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, it is also suitable for multiple industrial applications due to its high sealing performance (IP67/IP69K) and extreme UV resistance with f1 material per UL746C. The UTLR connector is qualified to UL1977 and IEC61984 standards, offers a 5VA flammability rating, hot wire and current breaking capacity to meet industrial equipment requirements. The UTLR connector is ideal for compact applications.

Installation has never been easier

The UTLR connector is easy and quick to connect and can be used in a wide range of configurations and wiring diagrams. 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, the audible click confirms a secure connection.



Scan the QR code for information about the complete Souriau UTL series.

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Souriau UTLR technical specifications

Materials

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

Environmental

- Temperature (according to IEC61984): -40°C to +105°C
- Flammability rating:
  - UL94: 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 color variation due to environmental exposure (f1 material per UL746C)
- Sealing:
  - IP67/69K 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

Electrical

- Designed to be engaged or disengaged in normal use when live or under load
- First mate last break contact mating on ground line
- Finger touchproof (connector equipped with socket contacts)
- Connector standards:
  - 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 and IEC60320
- Raw material standards:
  - UL94
  - UL746

Mechanical

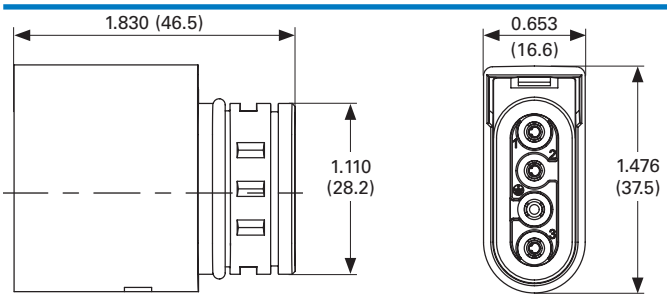
- Durability:
  - 250 mating in CBC (current breaking capacity) use (UL1977; IEC61984)
  - 500 mating in COC use (IEC61984)
  - 1,000 matings & unmatings tested
- Coupling system:
  - Tactile and audible click
  - Blind mating
- Touchproof: IP2X in unmated condition (connector equipped with socket contacts)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

Part number details

Contact type	Connector type	Part number Male insert	Female insert
Crimp contacts supplied separately	In line receptacle	–	**UTLR1103G1S**
	Panel mount receptacle	–	**UTLR0103G1S**
	Plug	**UTLR6103G1P**	–

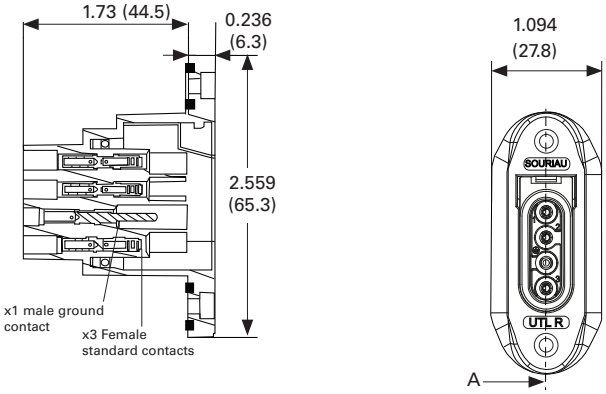
Standard delivered packaging: individual bag. For bulk delivery of 100 pcs please add a "B" after the P or S (connector gender) and before the potential "03" digits.

In line receptacle - UTLR1

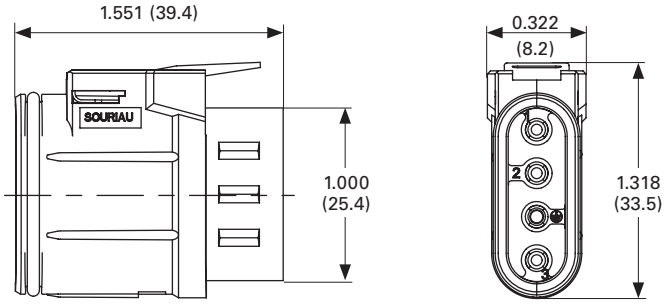


Dimensions in inch (millimeter)

Panel mount receptacle – UTLR0



Plug for overmolding - UTLR6



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For more information, contact us:
www.eaton.com/interconnect-support

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Document No. DS700-1A
November 2025

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