UTLR 103G1 (shell size 10, 3 + ground, 4x#16



Technical specifications

Materials

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

Environmental

- Temperature class (according to IEC61984):
  - -40°C to +105°C for connector
- 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/IP69K mated
  - 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

- 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, C22.2 NO. 182.3: file number ECBT8 E169916
  - Equipment standards: IEC60065, IEC60598, IEC61076-2-103, IEC60320
  - Raw material standards: UL94, UL746

Mechanical

- Durability:
  - 250 matings under load according to UL1977 (excluding layout UTL16 4W4)
  - Up to 1,000 matings when not under load
- Coupling system:
  - Tactile and audible click
  - Blind mating
- Touch proof: IP2x in unmated condition (connector equipped with socket contacts)

Souriau UTL series

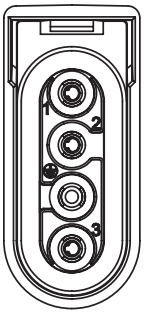
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Connector part numbers

Plugs and receptacles must be equipped with both contact genders. Ground line is never equipped with the same contacts as the neutral and phase.

UTL 164W4

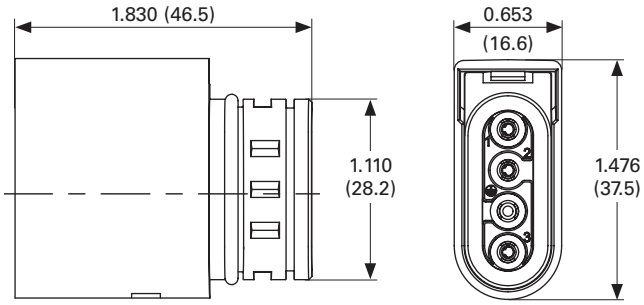


3 contacts + ground
16A/500V per UL 1977
with AWG16 wire

Contact type	Connector type	Part numbers Male insert	Female insert
Crimp contacts (supplied separately)	Plug	UTLR6103G1P	
	Panel mount receptacle		UTLR0103G1S
	In-line receptacle		UTLR1103G1S

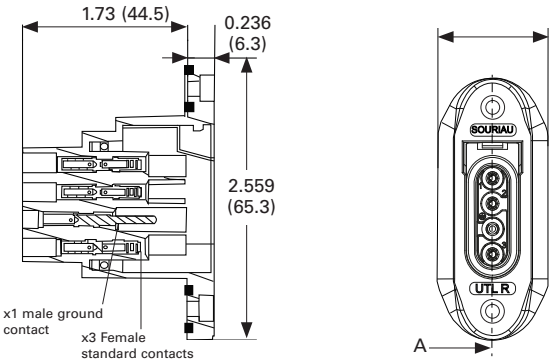
Dimensions

In line receptacle - UTL1

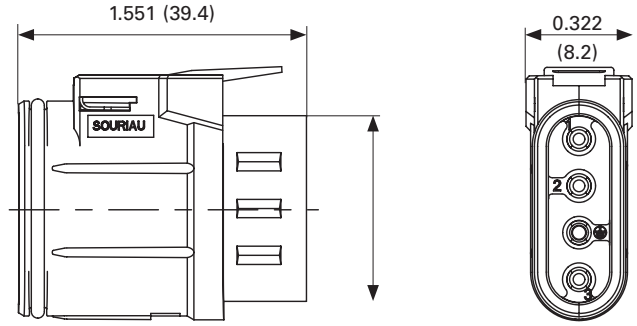


Dimensions in inch (millimeter)

Panel mount receptacle – UTL0



Panel mount receptacle – UTL0



Souriau UTL series

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Accessories

Tooling

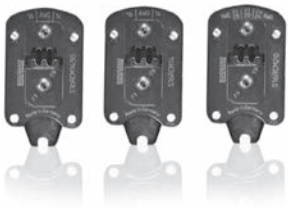
Tooling





Description	Part number
Handle (without head)	Shandles
Box containing handle and several crimp tooling	Toolkit

Crimp tooling





Part number
RX2025GE1

Extraction tool #16



Part number
RTM205

Insertion tool #16



Tooling

Crimp tooling #8



Contact size	Part number hand tool	Part number positioner + locator setting
For crimp contacts #8 Ø 0.141" (3.6)	**M317**	**VGE10078A**

Head crimp tooling (without handle)

Contact size	Contacts	Part number of head
Standard contacts #20 Ø 1 mm	RM/RC 24W3K(1)	S20RCM*
	RM/RC 20W3K(1)	S20RCM*
	RM/RC 18W3K(1)	S20RCM*
	SM/SC 24WL3(1)(2)	S20SCM20*
	SM/SC 20WL3(1)(2)	S20SCM20*
Standard contacts #16 Ø 1.6 mm	RM/RC 28M1K(1)	S16RCM20*
	RM/RC 24M9K(1)	S16RCM20*
	RM/RC 20M13K(1)	S16RCM20*
	RM/RC 20M12K(1)	S16RCM20*
	RM/RC 16M23K(1)	S16RCM16*
	RM/RC 14M30K(1)	S16RCM14*
	SM/SC 24ML1TK6(1)	S16SCM20*
	SM/SC 20ML1TK6(1)	S16SCM20*
	SM/SC 16ML1TK6(1)	S16SCML1*
	SM/SC 14ML1TK6(1)	S16SCML1*
	SM/SC 16ML11TK6(1)	S16SCML11*
	RM/RC 16M25K	S16RCM1625*
	RM/RC 14M25K	S16RCM1425*
Coaxial contacts #16 Ø 1.6 mm	RMDXK10D28K	M20S-1J
	RCDXK1D28K	M20S-1J
	RM/RC DX60xxD28K	M20S-1J
	RM/RC DXK10D28 + YORX090	M20S-1J
	RM/RC DX60xxD28	M20S-1J

(1): Example of plating, for other plating options see **Page 26**

(*): Heads to be used with handle PN: SHANDLES