



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



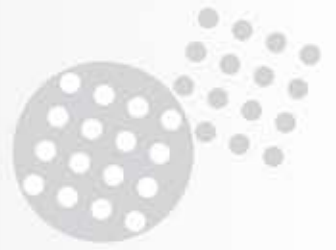
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# TRIM TRIO<sup>®</sup> screw termination contacts



## Description

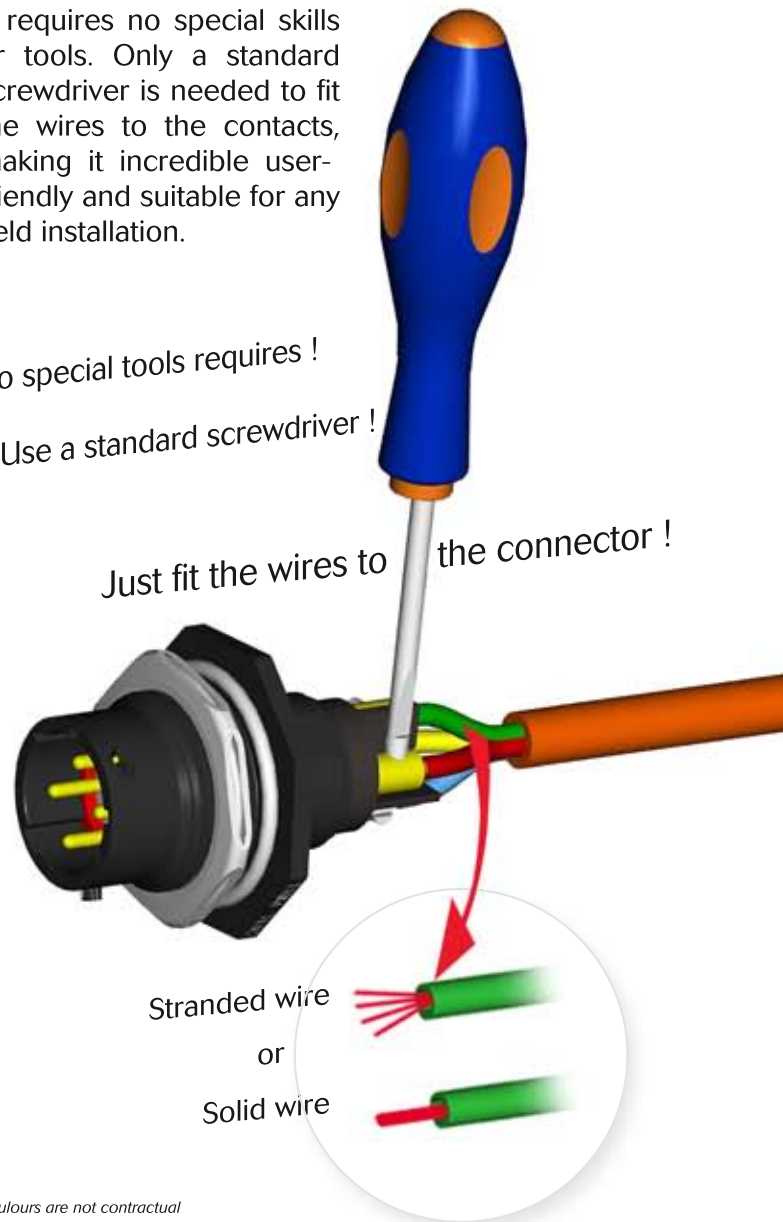
**UTS, part of the well-known TRIM TRIO<sup>®</sup> interconnection system**

UTS series with screw termination contacts combines extreme sealing performance, rapid & secure connector mating with the ease of wire termination.

It requires no special skills or tools. Only a standard screwdriver is needed to fit the wires to the contacts, making it incredible user-friendly and suitable for any field installation.

No special tools requires !

Use a standard screwdriver !



*Colours are not contractual*

## Features

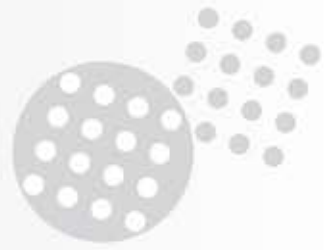
- Only a standard screwdriver is needed to fit the wires to the contacts
- Contact accepting a wide range of wires
- Rapid mating with 1/3 turn with an audible & sensitive "click"
- Dynamic IP68/69K water protection
- Rapid & secure mating - min 250 mating cycles
- High salt spray resistance
- Male connectors have a grounding contact
- RoHS compliant

## Applications

- Tunnel fans
  - Videosurveillance
  - Traffic control
  - Parking detection systems
  - Meteorological measurement systems
- and there is more

**UTS with screw contact termination is perfect for field installation**

**UTS : your first choice in waterproof connectors !**



# TRIM TRIO<sup>®</sup> screw termination contacts

## Technical characteristics

### Mechanical

- Durability 250 cycles
- Thermal shock Per MIL-std 1344 method 1003
- Screw tightening torque 40 Ncm

### Electrical

- Current rating 13 Amp
- Insulation resistance 5000 M $\Omega$  min
- Test potential 2000 Vac
- Wire acceptance 0.5mm<sup>2</sup> to 2.5mm<sup>2</sup>
- Rated voltage 320 V class III, PD 2 per **VDE0110** (IEC 60664-1)
- Rated voltage per UL1977 type 2 500 V

### Environmental

- Operating temperature from -40°C to +105°C
- Flammability rating UL94V0 and NFF16102 level 2
- Sealing (mated) Dynamic IP68/69K
- UV resistant Sun and moisture as per ISO 4892
- Salt spray resistance 500 hours

### Material

- Connectors + backshells Thermoplastic
- Contacts High conductive copper alloy  
Min 0.4 $\mu$ m gold plating
- RoHS compliant



## Connector accommodation

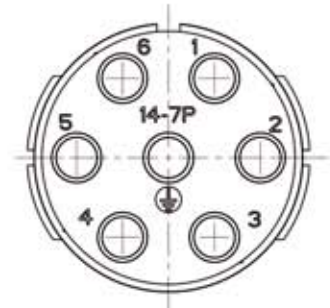
UTS connectors with screw termination contacts are fully intermateable and interchangeable with the UTS crimp and solder versions. (refer to UTS catalog or [www.souriau.com](http://www.souriau.com)).



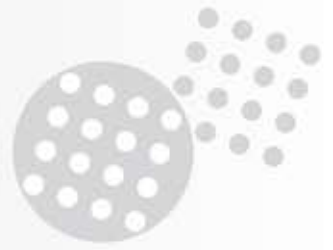
## Available arrangements



Size 12-4  
3 + Grounding



Size 14-7  
6 + Grounding



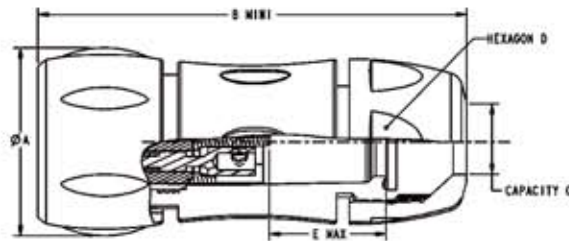
# TRIM TRIO<sup>®</sup> screw termination contacts

## Range presentation

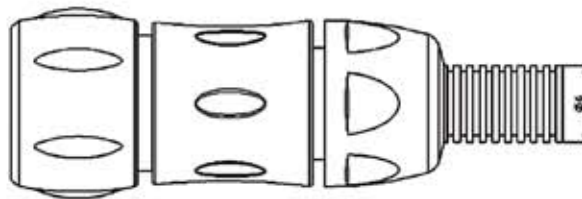
### Plug



UTS6JC124PSCR (male)  
 UTS6JC124SSCR (female)  
 UTS6JC147PSCR (male)  
 UTS6JC147SSCR (female)



Shell size	12	14
Layout	4 (3+1)	7 (6+1)
ØA	29.7	34.6
B min.	66.7	71.5
Capacity C / Standard	5.0/12.0	7.0/14.0
Capacity C / Reducing seal	3.0/9.0	5.0/12.0
Hexagon D	24.0	26.0
E max.	female male	26.7 18.95



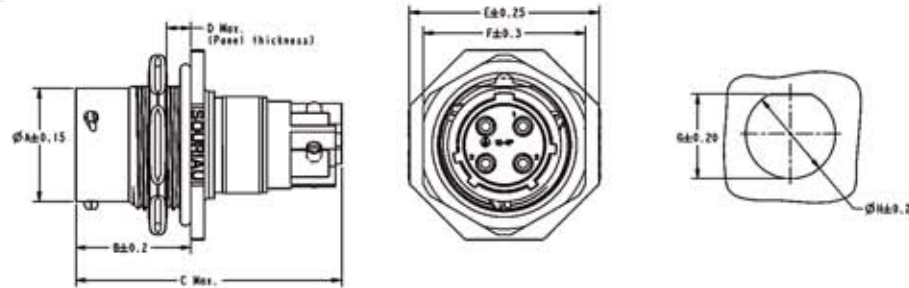
The standard plug and In-line receptacle (see below) can be fitted with a flexible conduit - not delivered by SOURIAU.

For all other requests, please consult the factory.

### Jam nut receptacle



UTS7124PSCR (male)  
 UTS7124SSCR (female)  
 UTS7147PSCR (male)  
 UTS7147SSCR (female)



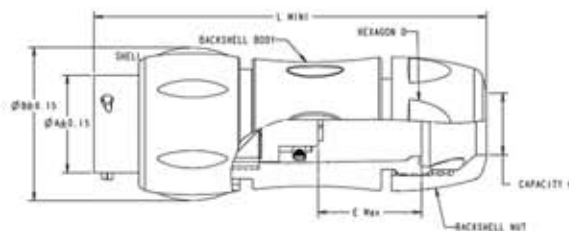
Shell size	Layout	A	B	C max male	C max female*	D max	E	F	G	H
12	4 (3+1)	19.0	19.3	46.5	38.3	3.2	31.8	27.0	21.2	22.5
14	7 (6+1)	22.2	19.3	52.5	44.4	3.2	34.9	30.2	24.3	25.7

\* Rear mounting only

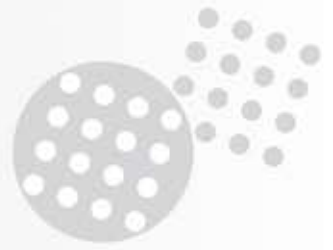
### In-Line receptacle



UTS1JC124PSCR (male)  
 UTS1JC147PSCR (male)



Shell size	12	14
Layout	4 (3+1)	7 (6+1)
ØA	19.0	22.2
B	29.7	34.6
L mini	74.0	78.5
E	21.5	26.5
Capacity C / Standard	5.0/12.0	7.0/14.0
Capacity C / Reducing seal	3.0/9.0	5.0/12.0
Hexagon D	24.0	26.0



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## Ordering information

Connector family	Receptacle	UTS	7	-	12	4	P	SCR
	Plug	UTS	6	JC	12	4	S	SCR
	In line	UTS	1	JC	12	4	P	SCR
Body variation	7 : Jam nut receptacle 6 : Cable plug 1 : In line receptacle							
Backshell	JC : IP68/69K backshell (only plug + free hanging)							
Shell size	12 or 14							
Number of contacts	4 or 7							
Type of contacts	P : male S : female							
Contact termination	SCR : Screw termination							

## Accessories

### Receptacle sealing cap



**Part numbers :**  
Size 12 : UTS12DCG  
Size 14 : UTS14DCG

### Plug sealing cap



**Part numbers :**  
Size 12 : UTS612DCG  
Size 14 : UTS614DCG

### Colour coding rings



**Part numbers for receptacle:**  
Size 12 : UTS712CCR\*  
Size 14 : UTS714CCR\*  
\* Add G for Green, Y for Yellow, Ro for Red

**Part numbers for plug:**  
Size 12 : UTS612CCR\*  
Size 14 : UTS614CCR\*  
\* Add G for Green, Y for Yellow, Ro for Red

**UTS : your first choice in waterproof connectors !**



For further information, visit our web site [www.souriau-industrial.com](http://www.souriau-industrial.com),  
or contact us at [contactindustry@souriau.com](mailto:contactindustry@souriau.com)