

TRIM TRIO[®] screw termination contacts



Description

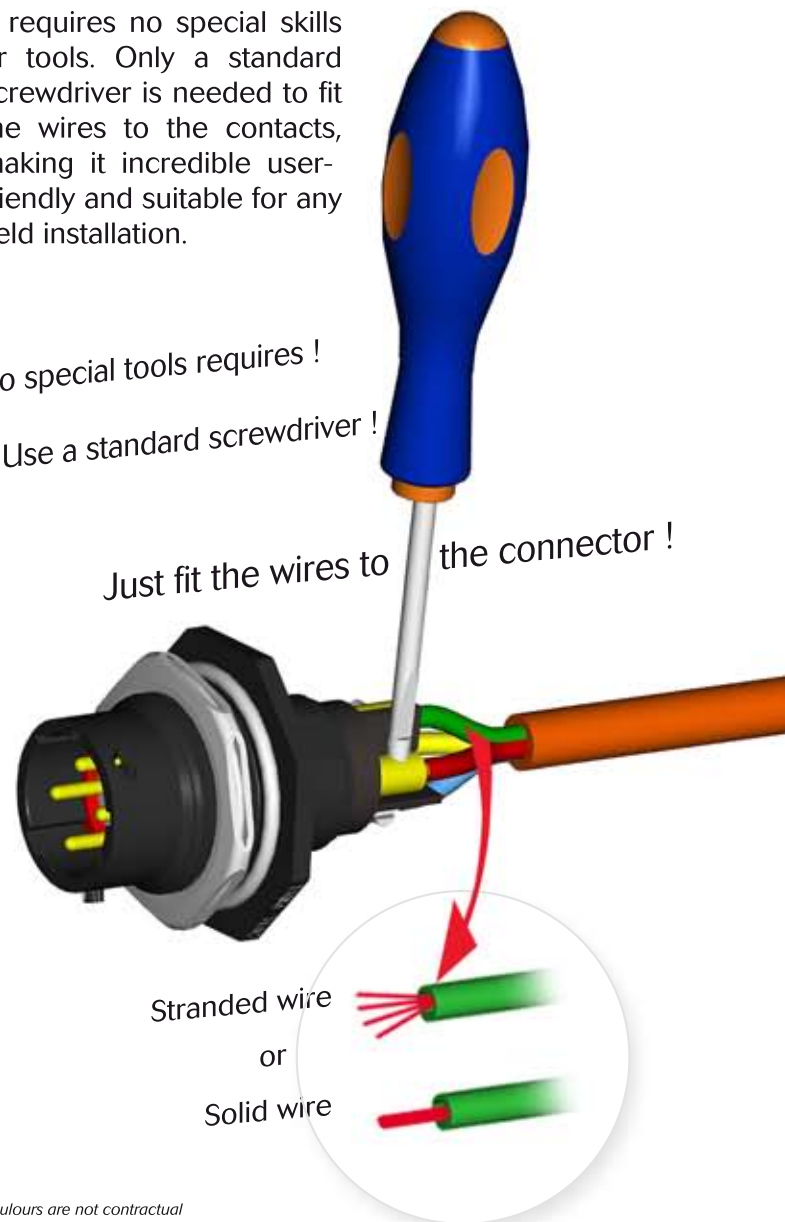
UTS, part of the well-known TRIM TRIO[®] interconnection system

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[®] 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 MΩ min
- Test potential 2000 Vac
- Wire acceptance 0.5mm² to 2.5mm²
- 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

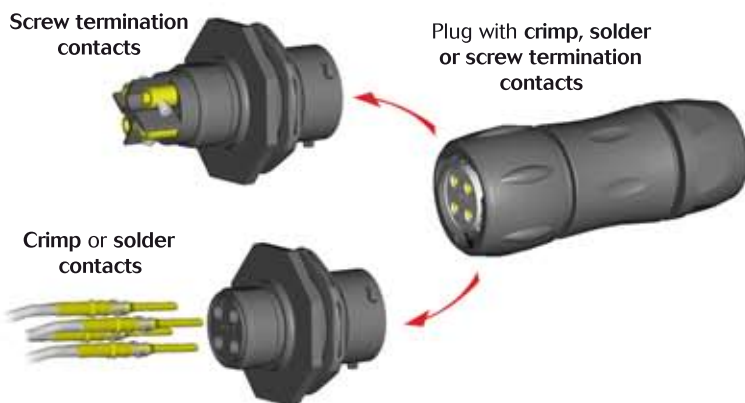
Material

- Connectors + backshells Thermoplastic
- Contacts High conductive copper alloy
Min 0.4µm gold plating
- RoHS compliant

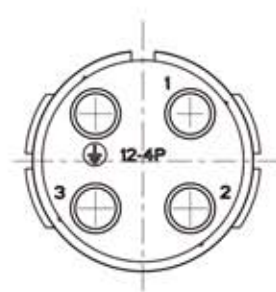


Connector accommodation

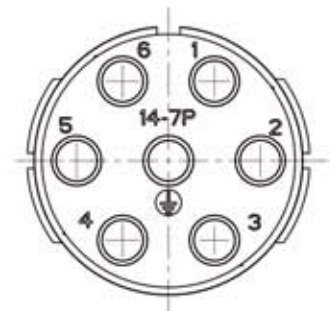
UTS connectors with screw termination contacts are fully intermateable and interchangeable with the UTS crimp and solder versions. (refer to UTS catalog or www.souriau.com).



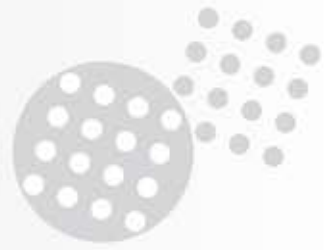
Available arrangements



Size 12-4
3 + Grounding



Size 14-7
6 + Grounding



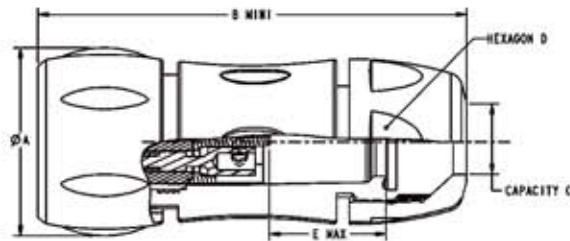
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Range presentation

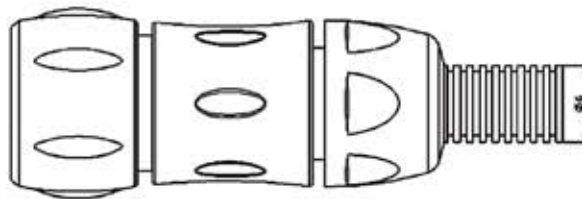
Plug



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



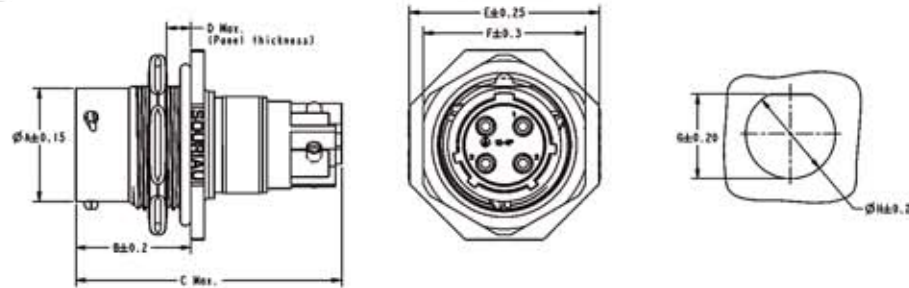
The standard plug and In-line receptacle (see below) can be fitted with a flexible conduit - not delivered by SOURIAU.

For all other requests, please consult the factory.

Jam nut receptacle



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



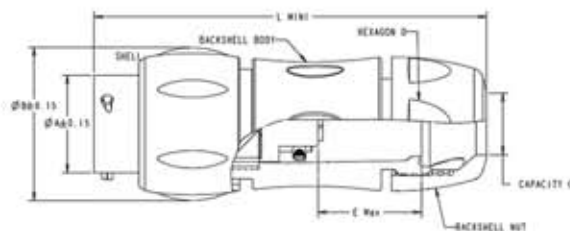
Shell size	Layout	A	B	C max male	C max female*	D max	E	F	G	H
12	4 (3+1)	19.0	19.3	46.5	38.3	3.2	31.8	27.0	21.2	22.5
14	7 (6+1)	22.2	19.3	52.5	44.4	3.2	34.9	30.2	24.3	25.7

* Rear mounting only

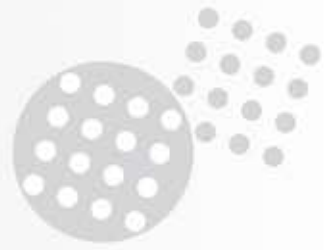
In-Line receptacle



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,
or contact us at contactindustry@souriau.com