

UTS



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Description

IP68 / IP69K plastic circular connector with rapid locking system

"UTS" is the latest addition to the well known TRIM TRIO® interconnect system.

'UTS' is a range of Industrial circular multiway connectors available in 3 shell sizes and 9 contact arrangements.

The keywords for the new UTS are: Rapid – Secure – High performance



Rapid refers to the locking system and the total installed cost starting with the wiring & cabling and ending with the installation to the customers equipment. Rapid also refers to the total service on price request, samples and production deliveries.

Secure

High Performance

The secure locking system together with the secure and versatile TRIM TRIO[®] contacts are giving confidence to both the connection and the customers equipment.

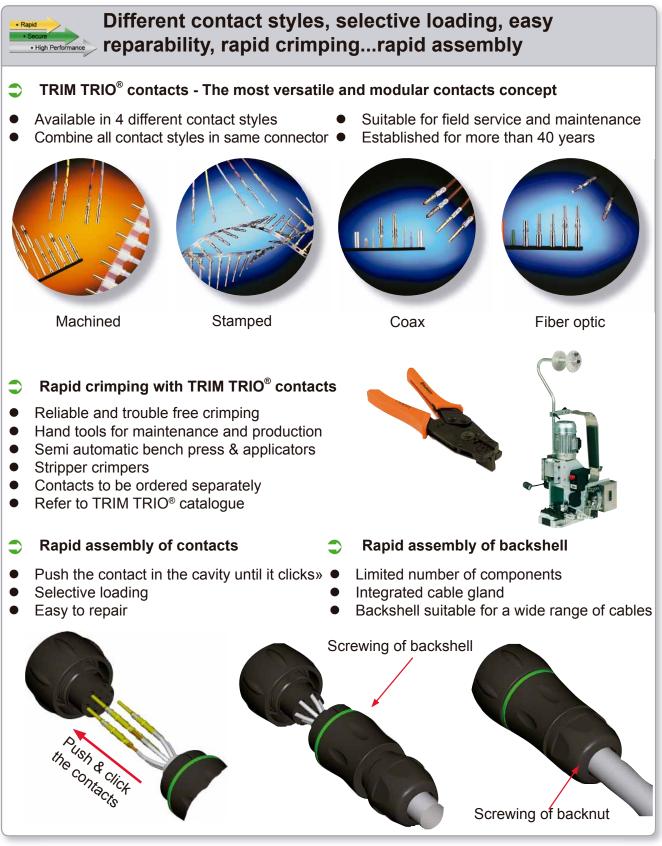
Moreover UTS is part of the well known TRIM TRIO[®] interconnect system with its more then 40 years of field experience.

Extreme performance on water protection even in dynamic situations this in combination with a rapid and secure locking system makes UTS suitable for any high performance application.

UTS provides a connection that performs faster, easier, safer and more reliable, it makes : UTS : Your first choice in waterproof connectors !

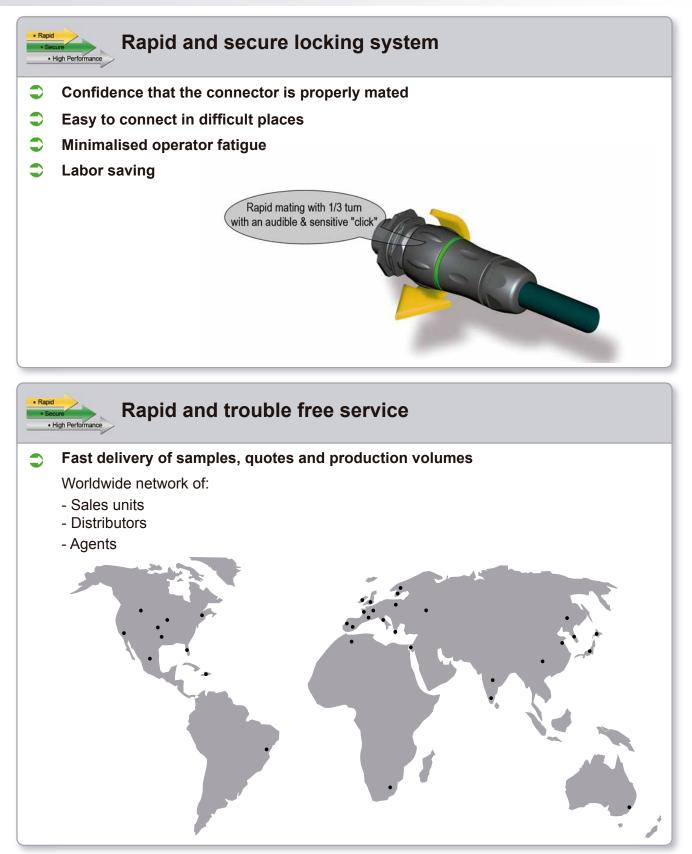






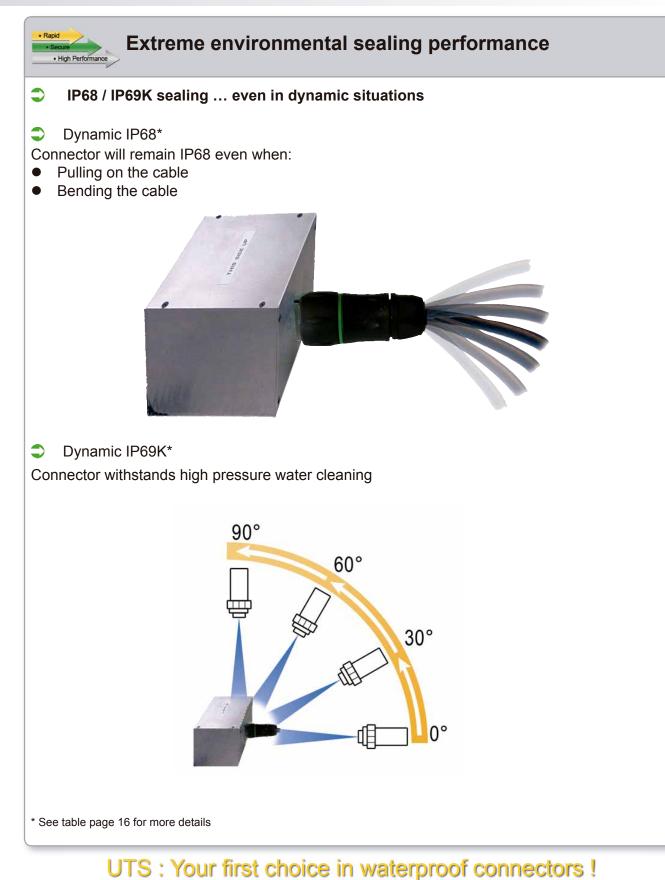
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Multiple contact arrangements with VDE 0110

Multiple contact arrangements within same connector size

- Different levels of current and rated voltages per VDE 0110
- Available in male and female gender
- Custom version upon request such as:
 - Mixed contact sizes
 - Power versions

• Rapid

- High speed versions (RJ45, USB, BNC), upon request

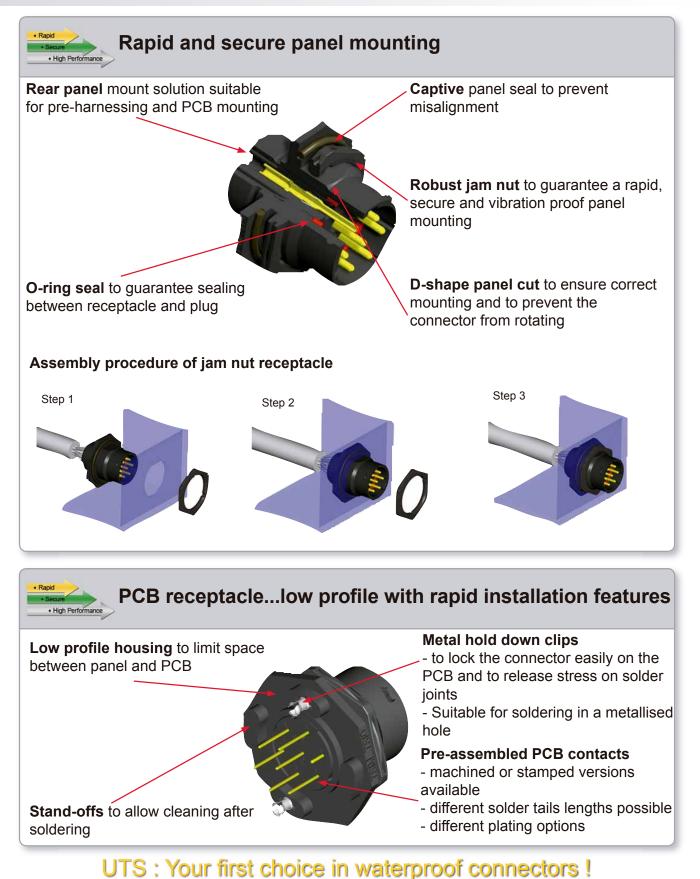
UTS insert arrangements, contact size, rated voltage per VDE 0110 & current ratings

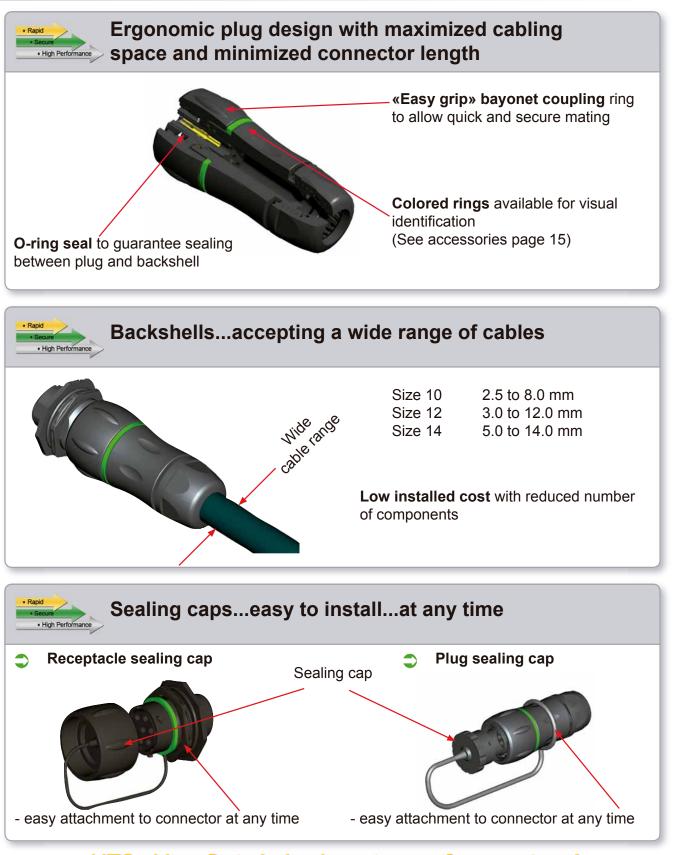
Contact size	# 16 (dia. 1.6mm)		#20 (dia. 1.0mm)
Rated voltage	250 V	125 V	125 V
Overvoltage category	Ш	Ш	
Pollution degree	3	3	3
Size 10	* ^{IN}		
Number of contacts	3 (2+ grounding)	4	6
Max current (per contact)	13A (machined + stamped)	13A (machined + stamped)	7.5A (machined) / 5A (stamped)
Size 12	*		
Number of contacts	4 (3 + grounding)	8	10
Max current (per contact)	13A (machined + stamped)	13A (machined + stamped)	7.5A (machined)/ 5A (stamped)
Size 14	* 147 6 1 5 14-7P 2 4 3		
Number of contacts	7 (6 + grounding)	12	19
Max current (per contact)	13A (machined + stamped)	13A (machined + stamped)	7.5A (machined)/ 5A (stamped)

* Arrangements with advanced grounding cavity.

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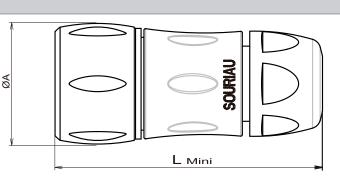


Kapid Secure High Performance Technica	al characteristics			
 MECHANICAL Durability: Vibration resistance: Thermal shock: 	250 matings & unmatings Per CEI 60512-4 Per MIL-STD1344 method 1003			
 ELECTRICAL Insulation resistance: Test potential: As per VDE specificat 	5000 MΩ min 2000 VAC ions (see page 8 for more details)			
 ENVIRONMENTAL Operating temp: Flammability rating: Sealing (mated): UV resistant: 	 Operating temp: -40°C to + 105°C Flammability rating: UL94V0 and NFF16101 level 2 Sealing (mated): Dynamic IP68 – 10m under water for 1 week per IEC60529 Dynamic IP69K per DIN40050 			
 Salt spray: MATERIAL Connectors + Backsho 	500 hours RoHS Compliant ell: Thermoplastic			
 PLATING (only for PCB) Plating for machined of Plating for stamped co Other platings upon requesion 	contacts: min 0.4 μ gold all over ontacts: Min 0.4 μ gold in contact area $3 - 5 \mu$ tin on solder tail			
 CONTACT ACCOMMODATION "UTS" connectors accept TRIM TRIO[®] size 16 or size 20 (depending on arrangement) removable snap-lock contacts Contacts to be ordered separately (except PCB versions) Refer to TRIM TRIO[®] catalog for details or visit our website: www.souriau.com → products → by connector type → TRIM TRIO[®]→ contacts 				
In accordance with UL requirements				
015.100	Ir first choice in waterproof connectors !			



Cable plug with backshell for pin and socket contacts (UTS6JC...P / UTS6JC...S)





Each plug has 2 seals to cover the specified cable range (See table below). The standard seal is preassembled The second seal is supplied as loose piece together with a plug.

PN pin contact	PN socket	Nb of contacts x contact Ø	Shell size	L	ØA	Ø Cable range		
UTS6JC103P	UTS6JC103S	3 x 1.6 mm	10					
UTS6JC104P	UTS6JC104S	4 x 1.6 mm		10	63.2	26.2	1.5 to 5.0 2.5 to 8.00 (standard)	
UTS6JC106P	UTS6JC106S	6 x 1.0 mm				2.5 10 0.00 (Standard)		
UTS6JC124P	UTS6JC124S	4 x 1.6 mm	12 66.7					
UTS6JC128P	UTS6JC128S	8 x 1.6 mm		66.7	29.7	3.0 to 9.0 5.0 to 12.0 (standard)		
UTS6JC1210P	UTS6JC1210S	10 x 1.0 mm			5.6 to 12.6 (Standard)			
UTS6JC147P	UTS6JC147S	7 x 1.6 mm	14					
UTS6JC1412P	UTS6JC1412S	12 x 1.6 mm		71.5	34.6	5.0 to 12.0 7.0 to 14.0 (standard)		
UTS6JC1419P	UTS6JC1419S	19 x 1.0 mm						

For more detail on contact arrangements, see page 8.

Coloured ring supplied as optional extra (See page 15).

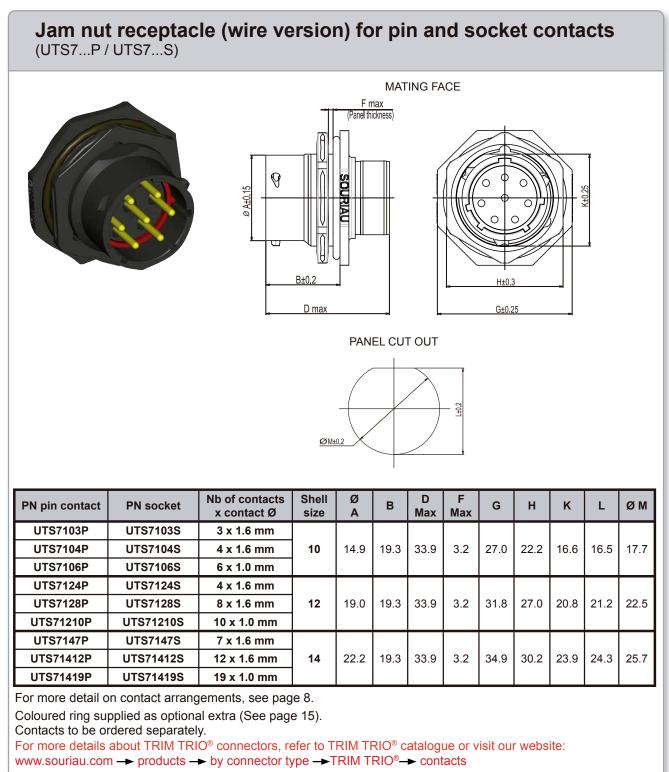
Contacts to be ordered separately.

For more details about TRIM TRIO[®] connectors, refer to TRIM TRIO[®] catalogue or visit our website: www.souriau.com → products → by connector type → TRIM TRIO[®]→ contacts

Note: All dimensions are in mm. Dimensions are not contractual and may be subject to modifications.

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For free hanging applications, connector can be equiped with the same backshell as for the plug (please consult us).

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