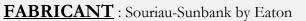
INFORMATIONS TECHNIQUES





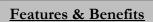
Souriau-Sunbank

PRODUITS : Industrial Circular Connectors



APPLICATIONS :

- Machinery & Robotics,
- Building Automation & Control,
- Energy & Power,
- Off-road, Mining & Railway,
- Instrumentation & Measurement,
- Telecom & Datacom,
- Stage & Lighting,
- Medical.



WATERPROOF

IP68/69K Dynamic Mated & Unmated Ideal for outdoor and indoor dynamic applications requiring continuous underwater immersion, routine pressure washing and dust protection.

UV RESISTANT

No Degradation & Long Outdoor Life No mechanical deterioration or significant color variation after 5 years of exposure in natural environment (equivalent exposure and moisture as per ISO4892 and F1 rated per UL 746C).

QUICK MATING

Push-Pull Latch with Audible "Click" or 1/3 Bayonet Coupling Quick and blind mating coupling systems with audible "click" and tactile feel to confirm proper mating achieved. Eliminates connection uncertainty and reduces time and labor during installation.

COST SAVING

Mixed Power & Signal Layouts Power supply and signal transmission can be combined in a unique interconnect solution to reduce system complexity and minimize component and installation costs.

SIGNAL INTEGRITY

EMI Shielding: 65 dB at 100 Mhz Qualified and compatible for electromagnetic radiation areas with proper signal integrity and transmission.

CORROSION RESISTANT

Salt Spray & Fluid Resistance Designed to maintain mechanical/electrical functionality and withstand climate ingress, exposure to salt spray, corrosive atmospheres or industrial-type fluids and oils.

UL/IEC COMPLIANT

Qualifed & Certified In accordance with UL/IEC electrical, flammability and other safety standards.



	CLIPPER Affordable Reinforced Sealing	UTS Affordable Reinforced Sealing
Shell type	Plastic	Plastic
Coupling type	180° screw coupling with positive audible safety latch	1/3-turn bayonet & audible click
Waterproof / IP rating *with	IP67/68	IP68/69K mated/unmated*
solder or O'ring contacts		
Salt spray	> 1,000 hours	\geq 500 hours
Special attributes	UL & CSA approved	UV resistant & UL/IEC
Plating type	No plating	No plating
Temperature range	-40° C +125° C	-40° C +105° C
Mating cycles	250	250
Number of shell sizes	4 sizes (1, 2, 3, 4) [Diameter 21 to 40 mm]	5 sizes (8, 10, 12, 14, 18)
Number of layouts	7 layouts	36 layouts
Wire gauge	14 - 24 AWG	8 - 30 AWG
Contact size range	#16, #20	#8, #12, #16, #20
Receptacle configurations	Square flange & in-line receptacle	Square flange jam nut & in-line threaded receptacle
Contact current rating	Up to 13 AMPS	Up to 44 AMPS
Contact termination types	Solder, crimp, PCB straight	Solder, crimp, PCB straight, screw, coax
Contact types	Stamped & formed, machined	Stamped & formed, machined, coaxial & fiber optic
Mixed power & signal layouts	No	Yes
Flammability rating	UL94 V0 (UL94 HB for sealed unmated version)	UL94 V0 (UL94 HB for sealed unmated version)
Ethernet compatible	No	Yes**
**certain layouts		
Environmental	RoHS Compliant	RoHS Compliant
	Example of equivalent products available on the ma	
Inter-mateable (1)	None	SOURIAU® UTG-UTO-UTP Series
AMPHENOL® Series Cross-	None	C016 Series = $IP65/67$ mated (less layouts vs
reference ITT Cannon Series Cross-	NT	SOURIAU)
	None	None
reference (1)		

(1) Product series are conditionally inter-mateable with same shell size/layout patern but IP, Electrical and Mechanical performances may be affected. SOURLAU cannot guarantee or warranty product performance levels when material applied or used in conjuncton with non-SOURLAU product. Panel cut-out dimensions and inter-changeability between ITT Cannon & SOURLAU Series not currently validated. Consult with factory.



DESCRIPTION

	UTG Intensive Use	UTO Full Metal & Shielding
Shell type	Plastic + metal coupling	Metal
Coupling type	1/3-turn bayonet & audible click	1/3-turn bayonet & audible click
Waterproof / IP rating *with	IP65	IP68/69K mated
solder or O'ring contacts		
Salt spray	48 hours	48 hours - Nickel 96 hours - Black anodized
Special attributes	Lightweight plasstic, robust metal coupling & UL/IEC	EMI shielding (98 dB at 1 MHz) & UL/IEC
Plating type	Nickel	Black anodized or Nicke
Temperature range	-55° C +125° C	-40° C +105° C
Mating cycles	500	500
Number of shell sizes	8 sizes (10, 12,14, 16, 18, 20, 22, 24)	8 sizes (10, 12,14, 16, 18, 20, 22, 24)
Number of layouts	17 layouts	27 layouts
Wire gauge	8 - 30 AWG	8 - 30 AWG
Contact size range	#8, #12, #16, #20	#8, #12, #16, #20
Receptacle configurations	Square flange & in-line	Square flange, jam nut & in-line
Contact current rating	Up to 44 AMPS	Up to 44 AMPS
Contact termination types	Solder, crimp, PCB straight, coax	Solder, crimp, PCB straight, coax
Contact types	Stamped & formed, machined, coaxial & fiber optic	Stamped & formed, machined, coaxial & fiber optic
Mixed power & signal layouts	Yes	Yes
Flammability rating	UL94 V0	UL94 V0
Ethernet compatible **certain layouts	Yes**	Yes**
Environmental	RoHS compliant	RoHS compliant
	Example of equivalent products available on the main	rket (non limitative list)
Inter-mateable (1)	SOURIAU® UTS-UTO-UTP Serie ITT Cannon TR & TN Series	SOURIAU® UTS-UTG-UTP Series ITT Cannon TNM Series
AMPHENOL® Series Cross-	None	RT360 (only IP67) RT-Series = #16 contacts RTOW-
reference		Series = $#20$ contacts (less layouts vs SOURIAU)
ITT Cannon Series Cross-	Trident Ringlock TR-Series = IP65	Trident Neptune Metal TNM-Series = IP67 (less
reference (1)	(less layouts vs Souriau) Trident Neptune TN-Series = IP67 w/sealing grommet	layouts vs SOURIAU)

(1) Product series are conditionally inter-mateable with same shell size/layout patern but IP, Electrical and Mechanical performances may be affected. SOURLAU cannot guarantee or warranty product performance levels when material applied or used in conjuncton with non-SOURLAU product. Panel cut-out dimensions and inter-changeability between ITT Cannon & SOURLAU Series not currently validated. Consult with factory.



DESCRIPTION

	UTL Push-Pull & Blind Mate	851 Full Metal & Corrosion Resistant	
Shell type	Plastic + metal latch	Metal	
Coupling type	Push-Pull & audible click	1/3-turn bayonet & audible click	
Waterproof / IP rating *with solder or O'ring contacts	IP68/69K mated/unmated*	IP67 mated (with appropriate backshells) IP68 (with cable gland)	
Salt spray	> 1,000 hours	> 500 hours	
Special attributes	Key shape blind mate, UV resistant & UL/IEC, current breaking capacity	High density layout (2 to 61 contacts) Robust and corrosion resistant	
Plating type	No plating (latch stainless steel)	Black Zinc Nickel or Nickel	
Temperature range	-40° C +105° C	-55°C +125°C	
Mating cycles	1000	500	
Number of shell sizes	3 sizes (10, 12, 14)	9 sizes (8, 10, 12, 14, 16, 18, 20, 22, 24)	
Number of layouts	4 layouts	38 layouts	
Wire gauge	14 - 30 AWG	14 AWG and smaller	
Contact size range	#16, #20	#16, #20	
Receptacle configurations	Square flange, jam nut & in-line	Square flange, jam nut & in-line	
Contact current rating	Up to 16 AMPS	Up to 13 AMPS	
Contact termination types	Crimp, screw, coax	Solder, crimp, PCB straight	
Contact types	Stamped & formed, machined, coaxial & fiber optic	Machined	
Mixed power & signal layouts	Yes	Yes	
Flammability rating	UL94 5VA	UL 94 HB	
Ethernet compatible **certain layouts	Yes + DMX/DALI/RDM	Yes**	
Environmental	RoHS compliant	RoHS compliant	
Example of equivalent products available on the market (non limitative list)			
Inter-mateable (1)	None	MIL-DTL-26482 connectors	
AMPHENOL® Series Cross-	None	PT/PTSE/ 62GB / 62IN	
reference			
ITT Cannon Series Cross- reference (1)	None	KPT/KPSE	
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