

INFORMATIONS TECHNIQUES



FABRICANT : Souriau-Sunbank by Eaton

Souriau-Sunbank
by **EATON**

PRODUITS : Industrial Circular Connectors



APPLICATIONS :

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

Features & Benefits

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

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

DESCRIPTION



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 solder or O'ring contacts	IP67/68	IP68/69K mated/unmated*
Salt spray	> 1,000 hours	≥ 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 **certain layouts	No	Yes**
Environmental	RoHS Compliant	RoHS Compliant
Example of equivalent products available on the market (non limitative list)		
Inter-mateable (1)	None	SOURIAU® UTG-UTO-UTP Series
AMPHENOL® Series Cross-reference	None	C016 Series = IP65/67 mated (less layouts vs SOURIAU)
ITT Cannon Series Cross-reference (1)	None	None

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

DESCRIPTION



Shell type	Plastic + metal coupling	Metal
Coupling type	1/3-turn bayonet & audible click	1/3-turn bayonet & audible click
Waterproof / IP rating *with solder or O'ring contacts	IP65	IP68/69K mated
Salt spray	48 hours	48 hours - Nickel 96 hours - Black anodized
Special attributes	Lightweight plastic, robust metal coupling & UL/IEC	EMI shielding (98 dB at 1 MHz) & UL/IEC
Plating type	Nickel	Black anodized or Nickel
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 market (non limitative list)		
Inter-mateable (1)	SOURIAU® UTS-UTO-UTP Serie IIT Cannon TR & TN Series	SOURIAU® UTS-UTG-UTP Serie IIT Cannon TNM Series
AMPHENOL® Series Cross-reference	None	RT360 (only IP67) RT-Series = #16 contacts RTOW-Series = #20 contacts (less layouts vs SOURIAU)
IIT Cannon Series Cross-reference (1)	Trident Ringlock TR-Series = IP65 (less layouts vs Souriau) Trident Neptune TN-Series = IP67 w/sealing grommet	Trident Neptune Metal TNM-Series = IP67 (less layouts vs SOURIAU)

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DESCRIPTION



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-reference	None	PT/PTSE/ 62GB / 62IN
ITT Cannon Series Cross-reference (1)	None	KPT/KPSE

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