

CA Bayonet



CA Bayonet Series Connector

With a proven history of engineering and manufacturing excellence spanning over 90 years, ITT has delivered a broad range of innovative product solutions that have and continue to enable our customers to meet their most demanding design requirements. ITT's design centers provide time proven high quality products and exceptional service to customers through a global network of field application engineers, sales force and manufacturing facilities.

Regarded as one of the most versatile and reliable interconnect series among MIL-C 5015 and VG95234 specifications, the CA Bayonet excels as an environmentally robust, vibration resistant connector. The proven bayonet coupling design ensures that the user will have an accurate connect and disconnect in environmentally challenging situations. A reduced assembly time and commonality of tooling has resulted in a lower cost of ownership for the user.



Innovative Interconnect Benefits

- IP 67 environmental resistant
- Contacts ranging from 26 AWG to 1/0 AWG wire accommodation
- Available in RoHS compliant nickel and zinc cobalt platings
- Wide range of standard accessories available
- Available in multiple shells styles including 90 degree end bells

Product Features

- Quick mating and unmating with a 1/4 turn bayonet locking mechanism
- Audiovisual signal indicates a precise mating connection
- Patented universal shielded end bell enables safer signal transmission and reliability over competition
- Machined contacts used to ensure high reliability

Applications

- Construction Equipment
- Industrial Automation
- Sensor Systems
- Robotics
- Engine Control Units
- Offroad Vehicles



CA Bayonet Selection Guide

Max. Voltage	Max. Current	Operating Temp	Durability
1050 - 3000 VAC	2.45 - 8 Amps	-55 to +125 degrees C	500 mating cycles

CA Bayonet Product Line Talking Dog

CA	3106	E	18	10SL-3	S	X	B	—	***
Series	Shell Style	Class	Shell Size	Contact Arrangement	Contact Type	Insulator Position	w/ Bayonet Coupling	Dash	Modification

Series	CA - Circular connectors with bayonet coupling
Shell Style	3100 - Wall mounting receptacle
	3101 - Cable connecting plug
	3102 - Box mounting receptacle
	3105 - Dummy receptacle for front and panel mounting
	3106 - Plug, straight
	3108 - Plug, 90°
	TBF - Bulkhead receptacle
Class	E - Environmental with resilient insulators and endbell with clamp and bushing
	F - Environmental with resilient insulator and endbell for flex tube
	R - Environmental with resilient insulator and shortened light-weight endbell without cable clamp
Shell Size	10SL, 12S, 14S, 16S, 16, 18, 20, 22, 24, 28, 32 and 36
Contact Arrangement	10SL-3, 10SL-4, 12S-3, 12S-4, 12SA10, 14S-1, 14S-2, 14S-4, 14S-5, 14S-6, 14S-7, 14S-9, 14SA7, 16S-1, 16S-4, 16S-5, 16S-8, 16-7, 16-9, 16-10, 16-11, 16-12, 16A11, 18-1, 18-3, 18-4, 18-5, 18-6, 18-7, 18-8, 18-9, 18-10, 18-11, 18-12, 18-13, 18-17, 18-19, 18-20, 18-21, 18-22, 20-2, 20-3, 20-4, 20-6, 20-7, 20-8, 20-11, 20-14, 20-15, 20-16, 20-17, 20-18, 20-19, 20-22, 20-23, 20-24, 20-27, 20-29, 20-33, 20A9, 20A48, 22-1, 22-2, 22-4, 22-5, 22-7, 22-8, 22-9, 22-10, 22-12, 22-14, 22-15, 22-16, 22-19, 22-20, 22-21, 22-22, 22-23, 22-27, 22-28, 24-2, 24-4, 24-5, 24-6, 24-7, 24-9, 24-10, 24-11, 24-12, 24-19, 24-20, 24-22, 24-27, 24-28, 24A24, 24A28, 24A51, 28-2, 28-5, 28-9, 28-10, 28-11, 28-12, 28-15, 28-16, 28-19, 28-20, 28-21, 28-22, 28-51, 28A16, 28A51, 28A63, 32-1, 32-5, 32-6, 32-7, 32-8, 32-9, 32-13, 32-15, 32-17, 32A10, 32A47, 32A55, 32A69, 36-3, 36-5, 36-6, 36-7, 36-8, 36-9, 36-10, 36-14, 36-15, 36A34, 36A35, 36A46, 36A98, 36A99
Contact Type	P - Pin
	S - Socket
	PS - One side pin, one side socket (only for TBF)
Insulator Position	Besides the normal position further insulator positions are possible for Cannon connectors to prevent mismatching. Polarization is achieved by turning the pin contact insulator clockwise towards the shell, the socket insulator however needs to be turned in the opposite clockwise direction. This information refers to the mating side of the contact insulator.
w/ Bayonet Coupling	B
DASH	
Modification	01 - Metric crimp contacts
	02 - Adapter for heat shrink boots AWG crimp contacts
	03 - Adaptor for heat shrink boots, metric contacts
	04 - Rear mount, thread in flange, metric crimp contacts (CA3102)
	05 - Rear mount, through holes in flange (CA3100, CA3102, CA20, TBF)
	06 - Shrink boot adapter, thread holes in flange, solder pot contacts
	08 - Angular endbell, threaded holes in flange (for CA3100 only)
	09 - Angular endbell, through holes in flange (for CA3100 only)
	13 - Shielded version, solder contacts
	14 - Shielded version, metric crimp contacts
	15 - Shielded version, AWG crimp contacts
	41 - Shielded version, AWG crimp contacts
	109 - Rear mount, F80 contact, threaded holes (CA3102 only)
	111 - Rear mount, solder pot contacts, threaded holes (CA3102 only)
	A176 - Gold plated contacts
	A232 - Zinc cobalt black
	A233 - Zinc cobalt green
F0 - Less contacts, contacts to be ordered separately	
F42 - Less grommet and backshell	
F80 - AWG crimp contacts	

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