

Datasheet for part number CA3106E22-14SBF80F0

Our Catalog Part Number: CA3106E22-14S-B-F80-F0

Our Global Manufacturing Part Number: 121142-0308

Brand: Cannon Product Category: Circular Product Line: CA Bayonet Series: CA BAYONET

Bayonet Connector with bayonet coupling Shell Style Plug, straight Endbell With clamp and bushing Gender Socket Socket Shell Size 22 Contact Arrangement 22-14 Number of contacts 19 contacts size 16 Contact Plating Hard silver Contact Plating Hard silver Contact Rating at +20 °C (68 °F) 22 A Contact Rating at +20 °C (68 °F) (Size 15/15/15/16/16S) 22 A Contact Rating at +20 °C (68 °F) (Size 15/15/15/16/16S) Contact Rating at +20 °C (68 °F) (Size 15/15/15/16/16S) Contact Rating at +20 °C (68 °F) (Size 15/15/15/16/16S) Contact Rating at +20 °C (68 °F) (Size 15/15/16/16S) Contact Rating at +20 °C (68 °F) (Size 15/15/16/16S) Contact Rating at +20 °C (68 °F) (Size 15/15/16/16S) Contact Rating at +20 °C (68 °F) (Size 15/15/16/16S) Contact Rating at +20 °C (68 °F) (Size 15/15/16/16S) Contact Rating at +20 °C (68 °F) (Size 15/15/16/16S) Contact Rating at +20 °C (68 °F) (Size 15/15/16/16S) Contact Rating at +20 °C (68 °F) (Size 15/15/16/16S) Contact Rating at +20 °C (68 °F) (Size 15/15/16/16S) Contact Rating at +20 °C (68 °F) (Size 15/15/16/16S) Contact Rating at +20 °C (67/25°F) Contact Rating at +20 °C (68 °F) (Size 15/15/16/16S) Contact Ratention Cont	Product Datasheet	
Shell Style Plug, straight Endbell Style Endbell with clamp and bushing Gender Socket Shell Size 22 Contact Arrangement 22-14 Number of contacts 19 contacts size 16 Contact Plating AWG Crimp Contact Plating Hard silver Contacts included no, delivery without contacts Shielding no Contact Rating at +20 °C (68 °F) 22 A (Size 15/15S/16/16S) 22 A Wire Cross Section AWG 18/16 Nire Cross Section AWG 18/16 Insulator Resistance 6 mΩ Vire Cross Section AWG 18/16 Insulator Resistance 1n case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60364-4-41. Insulator Resistance 4cc. To VG95319, part 2, test no. 5.12 and VG95210, part 32, test conditions B, standard insulator material > 1000 MΩ Test Voltage 2000 Vrms Air and Creepage Paths (Min) 1,1 mm Ambient Temperature Standard insulator material -55°/+125°C (-677/25°F) Safety Provisions Il P67 an		Connector with bayonet coupling
Endbell Style Endbell with clamp and bushing Gender Socket Shell Size 22 Contact Arrangement 22-14 Number of contacts 19 contacts size 16 Contact Type AWG Crimp Contact Type AWG Crimp Contact Pating Hard silver Contacts included no, delivery without contacts Shielding no Contact Rating at +20 °C (68 °F) 22 A Size 15/15/5/16/16S) 6 mΩ Wire Cross Section AWG 18/16 Operating Voltage In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60364-4-41. Insulator Resistance Acc. To VG85319, part 2, test no. 5.12 and VG95210, part 32, test conditions B, standard insulator material > 1000 MΩ Test Voltage 2000 Vrms Air and Creepage Paths (Min) 1,1 mm Ambient Temperature Standard insulator material -55°/+125°C (-67/25°F) Safety Provisions IP67 and IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050 Salt Spray Resistance 500 hours salt spray resistant Mating Cycles 500 min <		1 1
Socket Shell Size 22 Contact Arrangement 22-14	Endbell Style	<u> </u>
Shell Size		-
Number of contacts	Shell Size	
Contact Type AWG Crimp Contact Plating Hard silver Contacts included no, delivery without contacts Shielding no Contact Rating at +20 °C (68 °F) 22 A (Size 15/15S/16/16S) 6 mΩ Wire Cross Section AWG 18/16 In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60364-4-41. Operating Voltage Acc. To V G95319, part 2, test no. 5.12 and VG95210, part 32, test conditions B, standard insulator material > 1000 MΩ Test Voltage 2000 Vrms Air and Creepage Paths (Min) 1.1 mm Ambient Temperature Standard insulator material -55°/+125°C (-67/257°F) Safety Provisions IP87 and IP88 (1 bar pressure after 12 hrs) acc. to DIN 40 050 Salt Spray Resistance 500 hours salt spray resistant Mating Cycles 500 min Sep. Force per Contact (Size 15/15S/16/16S) 1,0 N Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Closing: 11 Nm max / Opening: 0.8 Nm min Contact Retention (Size 15/15S/16/16S) 35 N Shell Material Aluminium alloy	Contact Arrangement	22-14
Contact Plating Hard silver Contacts included no, delivery without contacts Shielding no Contact Rating at +20 °C (68 °F) 22 A (Size 15/15S/16/16S) 6 mΩ Wire Cross Section AWG 18/16 Nurie Cross Section AWG 18/16 Operating Voltage In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60364-44-11. Insulator Resistance Acc. To VG95319, part 22, test no. 5.12 and VG95210, part 32, test no. 6.12 and VG95210, part 32		19 contacts size 16
Contact Plating Hard silver Contacts included no, delivery without contacts Shielding no Contact Rating at +20 °C (68 °F) 22 A (Size 15/15S/16/16S) 6 mΩ Wire Cross Section AWG 18/16 Nurie Cross Section AWG 18/16 Operating Voltage In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60364-44-11. Insulator Resistance Acc. To VG95319, part 22, test no. 5.12 and VG95210, part 32, test no. 6.12 and VG95210, part 32	Contact Type	AWG Crimp
Shielding no Contact Rating at +20 °C (68 °F) (Size 15/15S/16/16S) 22 A Contact Resistance (Size 15/15S/16/16S) 6 mΩ Wire Cross Section AWG 18/16 In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60364-4-41. Insulator Resistance Acc. To VG95319, part 2, test no. 5.12 and VG95210, part 32, test conditions B, standard insulator material > 1000 MΩ Test Voltage 2000 Vrms Air and Creepage Paths (Min) 1,1 mm Ambient Temperature Standard insulator material -55°/+125°C (-67/257°F) Safety Provisions IP67 and IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050 Salt Spray Resistance 500 hours salt spray resistant Mating Cycles 500 min Sep. Force per Contact (Size 15/15S/16/16S) 1,0 N Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Closing: 11 Nm max / Opening: 0,8 Nm min Contact Retention (Size 15/15S/16/16S) 35 N Shell Material Aluminium alloy Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material CR-Elastomere Contact Material Copper alloy Harnes		Hard silver
Contact Rating at +20 °C (68 °F) 22 A (Size 15/15S/16/16S) 6 mΩ Wire Cross Section AWG 18/16 Operating Voltage In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60364-4-41. Insulator Resistance Acc. To VG95319, part 2, test no. 5.12 and VG95210, part 32, test conditions B, standard insulator material > 1000 MΩ Test Voltage 2000 Vrms Air and Creepage Paths (Min) 1,1 mm Ambient Temperature Standard insulator material -55°/+125°C (-67/257°F) Safety Provisions IP67 and IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050 Salt Spray Resistance 500 hours salt spray resistant Mating Cycles 500 min Sep. Force per Contact (Size 15/15S/16/16S) 1,0 N Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Closing: 11 Nm max / Opening: 0,8 Nm min Contact Retention (Size 15/15S/16/16S) 35 N Shell Material Aluminium alloy Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material CR-Elastomere Contact Material Copper alloy Harnessing Info: Contact Cross-Section See assembly instruction	Contacts included	no, delivery without contacts
Contact Resistance (Size 15/15S/16/16S) 6 mΩ	Shielding	no
Size 15/15S/16/16S Wire Cross Section		22 A
In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60364-441. IEC 60364-441. Acc. To VG95319, part 2, test no. 5.12 and VG95210, part 32, test conditions B, standard insulator material > 1000 MΩ Test Voltage		6 mΩ
Operating Voltage must be used in accordance with DIN VDE part 410, IEC 60364-4-41. Insulator Resistance Acc. To VG95319, part 2, test no. 5.12 and VG95210, part 32, test conditions B, standard insulator material > 1000 MΩ Test Voltage 2000 Vrms Air and Creepage Paths (Min) 1,1 mm Ambient Temperature Standard insulator material -55°/+125°C (-67/257°F) Safety Provisions IP67 and IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050 Salt Spray Resistance 500 hours salt spray resistant Mating Cycles 500 min Sep. Force per Contact (Size 15/15S/16/16S) 1,0 N Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Closing: 11 Nm max / Opening: 0,8 Nm min Contact Retention (Size 15/15S/16/16S) 35 N Shell Material Aluminium alloy Shell Plating Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material CR-Elastomere Contact Material Copper alloy Harnessing Info: Insulator Diameter See assembly instruction Wire Stringing	Wire Cross Section	AWG 18/16
Insulator Resistance and VG95210, part 32, test conditions B, standard insulator material > 1000 MΩ Test Voltage 2000 Vrms Air and Creepage Paths (Min) 1,1 mm Ambient Temperature Standard insulator material -55°/+125°C (-67/257°F) Safety Provisions IP67 and IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050 Salt Spray Resistance 500 hours salt spray resistant Mating Cycles 500 min Sep. Force per Contact (Size 15/15S/16/16S) 1,0 N Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Closing: 11 Nm max / Opening: 0,8 Nm min Contact Retention (Size 15/15S/16/16S) 35 N Shell Material Aluminium alloy Shell Plating Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material CR-Elastomere Contact Material Copper alloy Harnessing Info: Contact Cross-Section See assembly instruction Wire Stripping See assembly instruction	Operating Voltage	must be used in accordance with DIN VDE part 410,
Air and Creepage Paths (Min) Ambient Temperature Standard insulator material -55°/+125°C (-67/257°F) Safety Provisions IP67 and IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050 Salt Spray Resistance Mating Cycles 500 hours salt spray resistant Mating Cycles 500 min Sep. Force per Contact (Size 15/15S/16/16S) Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Closing: 11 Nm max / Opening: 0,8 Nm min Contact Retention (Size 15/15S/16/16S) Shell Material Aluminium alloy Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material Contact Material Copper alloy Harnessing Info: Contact Cross-Section Wire Stripping	Insulator Resistance	and VG95210, part 32, test conditions B.
Ambient Temperature Standard insulator material -55°/+125°C (-67/257°F) Safety Provisions IP67 and IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050 Salt Spray Resistance 500 hours salt spray resistant Mating Cycles 500 min Sep. Force per Contact (Size 15/15S/16/16S) Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Closing: 11 Nm max / Opening: 0,8 Nm min Contact Retention (Size 15/15S/16/16S) Shell Material Aluminium alloy Shell Plating Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material CR-Elastomere Contact Material Copper alloy Harnessing Info: Contact Cross-Section Wire Stripping	Test Voltage	2000 Vrms
Safety Provisions Safety Provisions Salt Spray Resistance Mating Cycles Sep. Force per Contact (Size 15/15S/16/16S) Gage Coupling Torque Contact Retention (Size 15/15S/16/16S) Shell Material Shell Plating Contact Material Shell Plating Insulator and Grommet Material Contact Material Contact Material Harnessing Info: Contact Cross-Section IP67 and IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050 South Alpha (1 bar pressure after 12 hrs) acc. to DIN 40 050 South Alpha (1 bar pressure after 12 hrs) acc. to DIN 40 050 South Alpha (1 bar pressure after 12 hrs) acc. to DIN 40 050 South Alpha (1 bar pressure after 12 hrs) acc. to DIN 40 050 South Alpha (1 bar pressure after 12 hrs) acc. to DIN 40 050 South Alpha (1 bar pressure after 12 hrs) acc. to DIN 40 050 Local Plating For infos on Gage please see catalog VG95234, part 1 Closing: 11 Nm max / Opening: 0,8 Nm min South Alpha (1 bar pressure after 12 hrs) acc. to DIN 40 050 South Alpha (1 bar pressure after 12 hrs) acc. to DIN 40 050 Coupling Torque Closing: 11 Nm max / Opening: 0,8 Nm min South Alpha (1 bar pressure after 12 hrs) acc. to DIN 40 050 Coupling Torque Closing: 11 Nm max / Opening: 0,8 Nm min South Alpha (1 bar pressure after 12 hrs) acc. to DIN 40 050 Coupling Torque Closing: 11 Nm max / Opening: 0,8 Nm min Closing: 11 Nm max / Opening: 0,8 Nm min Closing: 11 Nm max / Opening: 0,8 Nm min Closing: 11 Nm max / Opening: 0,8 Nm min Closing: 12 Nm max / Opening: 0,8 Nm min Coupling Torque Couplin	Air and Creepage Paths (Min)	1,1 mm
Salt Spray Resistance Mating Cycles Sep. Force per Contact (Size 15/15S/16/16S) Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Contact Retention (Size 15/15S/16/16S) Shell Material Shell Plating Insulator and Grommet Material Contact Material Harnessing Info: Contact Cross-Section DIN 40 050 500 hours salt spray resistant 1,0 N For infos on Gage please see catalog VG95234, part 1 Closing: 11 Nm max / Opening: 0,8 Nm min 35 N Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material CR-Elastomere Copper alloy Harnessing Info: Contact Cross-Section See assembly instruction Wire Stripping	Ambient Temperature	
Mating Cycles Sep. Force per Contact (Size 15/15S/16/16S) Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Contact Retention (Size 15/15S/16/16S) Shell Material Shell Plating Insulator and Grommet Material Contact Material Contact Material Contact Material Contact Material Contact Material Contact Material Copper alloy Harnessing Info: Contact Cross-Section Wire Stripping	Safety Provisions	
Sep. Force per Contact (Size 15/15S/16/16S) Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Closing: 11 Nm max / Opening: 0,8 Nm min Contact Retention (Size 15/15S/16/16S) Shell Material Aluminium alloy Shell Plating Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material CR-Elastomere Contact Material Copper alloy Harnessing Info: Contact Cross-Section Harnessing Info: Insulator Diameter See assembly instruction Wire Stripping	Salt Spray Resistance	500 hours salt spray resistant
(Size 15/15S/16/16S) Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Colosing: 11 Nm max / Opening: 0,8 Nm min 35 N Shell Material Aluminium alloy Shell Plating Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material Contact Material Contact Material Copper alloy Harnessing Info: Contact Cross-Section Harnessing Info: Insulator Diameter See assembly instruction Wire Stripping	Mating Cycles	500 min
Coupling Torque Contact Retention (Size 15/15S/16/16S) Shell Material Aluminium alloy Shell Plating Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material Contact Material Contact Material Contact Material Copper alloy Harnessing Info: Contact Cross-Section Wire Stripping Colosing: 11 Nm max / Opening: 0,8 Nm min 35 N Closing: 11 Nm max / Opening: 0,8 Nm min 36 N Closing: 11 Nm max / Opening: 0,8 Nm min 37 N Closing: 11 Nm max / Opening: 0,8 Nm min 38 N Closing: 11 Nm max / Opening: 0,8 Nm min 38 N Closing: 11 Nm max / Opening: 0,8 Nm min 38 N Closing: 11 Nm max / Opening: 0,8 Nm min 36 N Colosing: 11 Nm max / Opening: 0,8 Nm min 36 N Closing: 11 Nm max / Opening: 0,8 Nm min 37 N Shell Plating Contact Raterial CR-Elastomere Copper alloy Harnessing Info: Insulator Diameter See assembly instruction	Sep. Force per Contact (Size 15/15S/16/16S)	1,0 N
Contact Retention (Size 15/15S/16/16S) Shell Material Aluminium alloy Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material CR-Elastomere Contact Material Copper alloy Harnessing Info: Contact Cross-Section Harnessing Info: Insulator Diameter See assembly instruction Wire Stripping	Gage	
(Size 15/15S/16/16S) Shell Material Shell Plating Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material CR-Elastomere Contact Material Copper alloy Harnessing Info: Contact Cross-Section Harnessing Info: Insulator Diameter Wire Stripping	Coupling Torque	Closing: 11 Nm max / Opening: 0,8 Nm min
Shell Plating Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material CR-Elastomere Contact Material Copper alloy Harnessing Info: Contact Cross-Section Harnessing Info: Insulator Diameter See assembly instruction Wire Stripping		35 N
Insulator and Grommet Material CR-Elastomere Contact Material Copper alloy Harnessing Info: Contact Cross-Section Harnessing Info: Insulator Diameter Wire Stripping	Shell Material	Aluminium alloy
Contact Material Copper alloy Harnessing Info: Contact Cross-Section See assembly instruction Wire Stripping	Shell Plating	
Harnessing Info: Contact Cross-Section Harnessing Info: Insulator Diameter See assembly instruction Wire Stripping	Insulator and Grommet Material	CR-Elastomere CR-Elastomere
Harnessing Info: Insulator Diameter See assembly instruction Wire Stripping	Contact Material	Copper alloy
Wire Stripping	Harnessing Info: Contact Cross-Section	See assembly instruction
Wire Stripping (Size 15/15S/16/16S) 6,2 mm	Harnessing Info: Insulator Diameter	See assembly instruction
	Wire Stripping (Size 15/15S/16/16S)	6,2 mm

Specifications and dimensions subject to change.



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Our Catalog Part Number: CA3106E22-14S-B-F80-F0		
Our Global Manufacturing Part Number: 121142-0308		
Brand: Cannon Product Category: Circular Product Line: CA Bayonet Series: CA BAYONET		

Product Datasheet	
General Info	All tests in accordance with VG95319 and/or if applicable with VG95210