

Datasheet for part number CA3100E22-14PBF80F0

Our Catalog Part Number: CA3100E22-14P-B-F80-F0

Our Global Manufacturing Part Number: 121225-0854

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

Bayonet Shell Style Bendbell Style Endbell Style Endbell Style Endbell with clamp and bushing Gender Pin Shell Size 22 Contact Arrangement Number of contacts 19 contacts size 16 Contact Type AWG Crimp Contact Plating Hard silver Contact Rating at +20 °C (68 °F) (Size 15/15S/16/16S) Contact Resistance (Size 15/15S/16/16S) AWG 18/16 In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60384-44-1 Insulator Resistance Arc. To VG95319, part 2, test no. 5.12 and VG95210, part 32, test conditions B, standard insulator material > 1000 MC Test Voltage Air and Creepage Paths (Min) Ambient Temperature Safety Provisions Din 40 050 Salt Spray Resistance 500 hours salt spray resistant Mating Cycles Sege Force per Contact (Size 15/15S/16/16S) Shell Plating Contact Resistance Contact Resistance Arc. To VG95319, part 2, test no. 5.12 and VG95210, part 32, test conditions B, standard insulator material > 1000 MC Test Voltage Air and Creepage Paths (Min) 1,1 mm Ambient Temperature Standard insulator material -55°/+125°C (-67/257°F) Safety Provisions Din 40 050 Salt Spray Resistance Din 40 050 Salt Spray Resistance 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 Clive drab chromate over cadmium plating (conductive) Insulator and Grommet Material CR-Elastomere Contact Material Aluminium alloy Wire Stripping (Size 15/15S/16/16S) Ge assembly instruction Harnessing Info: Insulator Diameter See assembly instruction Wire Stripping (Size 15/15S/16S) Ge 2mm	Product Datasheet	
Shell Style Wall mounting receptacle Endbell Style Endbell with clamp and bushing Gender Pin Shell Size 22 Contact Arrangement 22-14 Number of contacts 19 contacts size 16 Contact Type AWG Crimp Contact Plating Hard silver Contact Round no, delivery without contacts Shielding no Contact Rating at +20 °C (68 °F) 22 A (Size 15/15S/16/165) 22 A Contact Resistance 6 mΩ (Size 15/15S/16/165) AWG 18/16 Mire 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 60364-44-1. Insulator Resistance Acc. To VC95319, 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 (Siza 15/15S/16/16) Safety Provisions IP67 and IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050 Salt Spray Resistance		Connector with bayonet coupling
Endbell Style Endbell with clamp and bushing Gender Pin Shell Size 22 Contact Arrangement 22-14 Number of contacts 19 contacts size 16 Contact Type AWG Crimp Contact Plating Hard silver Contact Plating no, delivery without contacts Shielding no Contact Rating at +20 °C (68 °F) 22 A Size 15/15/3/16/16S) 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 (-67/25°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 Sep. Force per Contact (Size 15/15S/16/16S) 1,0	•	1 1 1
Shell Size 22 Contact Arrangement 22-14 Number of contacts 19 contacts size 16 Contact Type AWG Crimp Contact Plating Hard silver Contact Plating 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 60364-441. Insulator Resistance Acc. To VC95319, 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 VC95234, part 1 Coupling Torque Closing: 11 N		T
Contact Arrangement 22-14 Number of contacts 19 contacts size 16 Contact Type AWG Crimp Contact Plating Hard silver Contact Plating no, delivery without contacts Shielding no Contact Rating at +20 °C (68 °F) (Size 15/155/16/16S) 22 A Contact Resistance (Size 15/155/16/16S) 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 VC995319, 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 15/158/16/16S) 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 15/158/1	•	·
Number of contacts 19 contacts size 16 Contact Type AWG Crimp Contact Plating Hard silver Contacts included no, delivery without contacts 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 Operating Voltage In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60384-4-41. Insulator Resistance Acc. To VG96319, part 2, test no. 5.12 and VG96210, 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 (-(-7/257°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 Cont	Shell Size	22
Contact Type Contact Platting Contact Platting Contacts included Shielding Contact Rating at +20 °C (68 °F) (Size 15/15S/16/16S) Contact Rating at +20 °C (68 °F) (Size 15/15S/16/16S) 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 Air and Creepage Paths (Min) Ambient Temperature Standard insulator material -55°/+125°C (-67/25°°F) Safety Provisions Ple7a and IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050 Salt Spray Resistance Soo hours salt spray resistant Mating Cycles Son min Sep. Force per Contact (Size 15/15S/16/16S) Gage For infos on Gage please see catalog VG95234, part 1 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 Copper alloy Harnessing Info: Insulator Diameter Wire Stringing View Extreminant See assembly instruction Wire Stringing	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 In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60364-4-41. Ics 60364-4-41. 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 (-67/25°°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 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 Cive contact Cross-Section <	Number of contacts	19 contacts size 16
Contacts included no, delivery without contacts 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 Shell Plating Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material CR-Elastomere Contact Material Copper alloy Harnessing Info: Insulator Diameter See assembl	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 60364-44-1. 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 (-67/25°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 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 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	Contact Plating	Hard silver
Contact Rating at +20 °C (68 °F) (Size 15/15S/16/16S) 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 Air and Creepage Paths (Min) Ambient Temperature Standard insulator material -55°/+125°C (-67/257°F) Safety Provisions Balt 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 Aluminium alloy Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material CR-Eisatomere Contact Material Copper alloy Harnessing Info: Insulator Diameter	Contacts included	no, delivery without contacts
Contact Resistance (Size 15/15S/16/16S) E2 K	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 60364-4-41. Acc. To VG95319, part 2, test no. 5.12 and VG95210, part 32, test conditions B, standard insulator material > 1000 MΩ Test Voltage Air and Creepage Paths (Min) Ambient Temperature Standard insulator material -55°/+125°C (-67/257°F) Safety Provisions Plefa 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 CR-Elastomere Contact Material Contact Material Contact Material Copper alloy Wire Stripping		6 mΩ
Departing 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	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 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	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 Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material Copper alloy Harnessing Info: Contact Cross-Section Wire Stripping	Test Voltage	2000 Vrms
Safety Provisions 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 Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material Contact Material Copper alloy Harnessing Info: Contact Cross-Section Wire Stripping	Air and Creepage Paths (Min)	1,1 mm
Salt Spray Resistance Solo hours salt spray resistant Mating Cycles 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 Shell Plating Insulator and Grommet Material Centact Material Contact Material Contact Material Harnessing Info: Contact Cross-Section DIN 40 050 500 hours salt spray resistant 1,0 N 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 Closing: 13 Nm max / Opening: 0,8 Nm min Closing: 14 Nm max / Opening: 0,8 Nm min Closing: 15 Nm max / Opening: 0,8 Nm min Closing: 16 Nm max / Opening: 0,8 Nm min Closing: 17 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 Closing: 11 Nm max / Opening: 0,8 Nm min Closing: 12 Nm max / Opening: 0,8 Nm min Closing: 14 Nm max / Opening: 0,8 Nm min Closing:	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 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 CR-Elastomere 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 Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material CR-Elastomere Contact Material Copper alloy Harnessing Info: Contact Cross-Section Wire Stripping 1,0 N Closing: 11 Nm max / Opening: 0,8 Nm min Olive drab chromate over cadmium plating (conductive) See assembly instruction	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 Closing: 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 Car-Elastomere 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 Shell Plating Insulator and Grommet Material Contact Material Contact Material Contact Material Contact Material Contact Material Contact Cross-Section Contact Material Contact Cross-Section Contact Material Contact Material Copper alloy See assembly instruction Wire Stripping Closing: 11 Nm max / Opening: 0,8 Nm min 35 N Closing: 11 Nm max / Opening: 0,8 Nm min 35 N Closing: 11 Nm max / Opening: 0,8 Nm min 35 N Closing: 11 Nm max / Opening: 0,8 Nm min 35 N Characterial Contact Material Conductive CR-Elastomere Contact Material Copper alloy See assembly instruction Wire Stripping	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 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 Aluminium alloy Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material Contact Material Copper alloy Harnessing Info: Contact Cross-Section Harnessing Info: Insulator Diameter See assembly instruction 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 Contact Material Copper alloy Harnessing Info: Contact Cross-Section Harnessing Info: Insulator Diameter See assembly instruction 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 See assembly instruction Wire Stripping	Insulator and Grommet Material	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.



Datasheet for part number CA3100E22-14PBF80F0

Our Catalog Part Number: CA3100E22-14P-B-F80-F0		
Our Global Manufacturing Part Number: 121225-0854		
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