

Datasheet for part number CA3106E14S-6SBF80F0

Our Catalog Part Number: CA3106E14S-6S-B-F80-F0

Our Global Manufacturing Part Number: 121136-0309

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

Bayonet Shell Style Plug, straight Endbell Style Endbell Style Endbell With clamp and bushing Gender Socket Shell Size 14S Contact Arrangement 14S-6 Number of contacts 6 contacts size 16S Contact Type Contact Plating Hard silver 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 60384-44-41. 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 IPG7 acc. to DIN 40 050 and IPG8 (1 bar pressure for 16h) Selt Spray Resistance Source Coupling Torque Contact (Size 15/15S/16/16S) Contact Resistance Contact Contact Contact Contact Resistance Contact Contact Contact Resistance Contact Contact Contact Resistance Contact Contact Contact Resistance Conta	Product Datasheet	
Shell Style		Connector with bayonet coupling
Endbell Style		1 1
Socket Shell Size 14S	Endbell Style	<u> </u>
Contact Arrangement 14S-6 Number of contacts 6 contacts size 16S 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 60364-4-41. 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 1050 Vrms Air and Creepage Paths (Min) 0,7 mm Ambient Temperature Standard insulator material -55°/+125°C (-67/257°F) Safety Provisions IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h) Salt Spray Resistance 500 hours salt spray resistant Mating Cycles 500 min Sep. Force per Contact (Size 15/15S/16/16S) 1,0 N Gauge For infos on Gauge please see catalog VG95234, part 1 Coupling Torque Closing: 3,6 Nm max / Opening: 0,35 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-Elas		-
Number of contacts 6 contacts size 16S 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 1050 Vrms Air and Creepage Paths (Min) 0,7 mm Ambient Temperature Standard insulator material -55°/+125°C (-(-7/257°F) Safety Provisions IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h) Salt Spray Resistance 500 hours salt spray resistant Mating Cycles 500 min Sep. Force per Contact (Size 15/15S/16/16S) 1,0 N Gauge For infos on Gauge please see catalog VG95234, part 1 Coupling Torque Closing: 3,6 Nm max / Opening: 0,35 Nm min Conta	Shell Size	14S
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) Contact Resistance (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 Air synay Resistance Mating Cycles 500 hours salt spray resistant Mating Cycles 500 min Sep. Force per Contact (Size 15/15S/16/16S) Gauge For infos on Gauge please see catalog VG95234, part 1 Closing: 3,6 Nm max / Opening: 0,35 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 Extringing View Cross-Section See assembly instruction Wire Stringing	Contact Arrangement	14S-6
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. 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 1050 Vrms Air and Creepage Paths (Min) 0,7 mm Ambient Temperature Standard insulator material -55°/+125°C (-67/25°°F) Safety Provisions IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h) Salf Spray Resistance 500 hours salt spray resistant Mating Cycles 500 min Sep. Force per Contact (Size 15/15S/16/16S) 1,0 N Gauge For infos on Gauge please see catalog VG95234, part 1 Coupling Torque Closing: 3,6 Nm max / Opening: 0,35 Nm min Contact Retention (Size 15/15S/16/16S) 35 N Shell Material Aluminium alloy Shell Insulator and Grommet Material CR-Elastomere<	Number of contacts	6 contacts size 16S
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 1050 Vrms Air and Creepage Paths (Min) 0,7 mm Ambient Temperature Standard insulator material -55°/+125°C (-67/257°F) Safety Provisions IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h) Salt Spray Resistance 500 hours salt spray resistant Mating Cycles 500 min Sep. Force per Contact (Size 15/15S/16/16S) 1,0 N Gauge For infos on Gauge please see catalog VG95234, part 1 Coupling Torque Closing: 3,6 Nm max / Opening: 0,35 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 Ce-Elastomere Contact Material Copper alloy Harnessing Info: Insulator Diameter See assembly	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 1050 Vrms Air and Creepage Paths (Min) 0,7 mm Ambient Temperature Standard insulator material -55°/+125°C (-67/25°F) Safety Provisions IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h) Salt Spray Resistance 500 hours salt spray resistant Mating Cycles 500 min Sep. Force per Contact (Size 15/15S/16/16S) 1,0 N Gauge For infos on Gauge please see catalog VG95234, part 1 Coupling Torque Closing: 3,6 Nm max / Opening: 0,35 Nm min Cisze 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 Safety Provisions Per acc. to DIN 40 050 and IP68 (1 bar pressure for 16h) Salt Spray Resistance Mating Cycles Sep. Force per Contact (Size 15/15S/16/16S) Gauge For infos on Gauge please see catalog VG95234, part 1 Coupling Torque Coupling Torque Coupling Torque Coupling Torque 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-IEIstomere Copper alloy Wire Stripping Wire Stripping Wire Stripping	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 Ple7a acc. to DIN 40 050 and IP68 (1 bar pressure for 16h) Salt Spray Resistance Mating Cycles 500 hours salt spray resistant Mating Cycles 500 min Sep. Force per Contact (Size 15/158/16/168) Gauge For infos on Gauge please see catalog VG95234, part 1 Coupling Torque Closing: 3,6 Nm max / Opening: 0,35 Nm min Contact Retention (Size 15/158/16/168) Shell Material Aluminium alloy Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material CR-Elastomere Contact Material Contact Material Contact Material Contact Insulator Diameter See assembly instruction 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 1050 Vrms Air and Creepage Paths (Min) 0,7 mm Ambient Temperature Standard insulator material -55°/+125°C (-67/257°F) Safety Provisions IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h) Salt Spray Resistance 500 hours salt spray resistant Mating Cycles 500 min Sep. Force per Contact (Size 15/15S/16/16S) 1,0 N Gauge For infos on Gauge please see catalog VG95234, part 1 Coupling Torque Closing: 3,6 Nm max / Opening: 0,35 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 Stringing Stringing	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 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h) Salt Spray Resistance 500 hours salt spray resistant Mating Cycles 500 min Sep. Force per Contact (Size 15/15S/16/16S) Gauge For infos on Gauge please see catalog VG95234, part 1 Coupling Torque Closing: 3,6 Nm max / Opening: 0,35 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 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h) Salt Spray Resistance 500 hours salt spray resistant Mating Cycles 500 min Sep. Force per Contact (Size 15/15S/16/16S) Gauge For infos on Gauge please see catalog VG95234, part 1 Coupling Torque Closing: 3,6 Nm max / Opening: 0,35 Nm min Contact Retention (Size 15/15S/16/16S) Shell Material Aluminium alloy Insulator and Grommet Material Contact Material Copper alloy Harnessing Info: Contact Cross-Section Wire Stripping	Test Voltage	1050 Vrms
Safety Provisions Salt Spray Resistance Mating Cycles Sep. Force per Contact (Size 15/15S/16/16S) Gauge Coupling Torque Contact Retention (Size 15/15S/16/16S) Shell Material Shell Plating Contact Material Contact Material Contact Material Contact Material Contact Material Harnessing Info: Contact Cross-Section IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h) IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h) IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h) IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h) IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h) South And Sout	Air and Creepage Paths (Min)	0,7 mm
Salt Spray Resistance Mating Cycles Sep. Force per Contact (Size 15/15S/16/16S) Gauge For infos on Gauge please see catalog VG95234, part 1 Coupling Torque Closing: 3,6 Nm max / Opening: 0,35 Nm min Contact Retention (Size 15/15S/16/16S) Shell Material Shell Plating Insulator and Grommet Material Contact Material Contact Material Harnessing Info: Contact Cross-Section Mire Stripping See assembly instruction Wire Stripping	Ambient Temperature	
Mating Cycles Sep. Force per Contact (Size 15/15S/16/16S) Gauge For infos on Gauge please see catalog VG95234, part 1 Coupling Torque Closing: 3,6 Nm max / Opening: 0,35 Nm min Contact Retention (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 Wire Stripping	Safety Provisions	
Sep. Force per Contact (Size 15/15S/16/16S) Gauge For infos on Gauge please see catalog VG95234, part 1 Coupling Torque Closing: 3,6 Nm max / Opening: 0,35 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	Salt Spray Resistance	500 hours salt spray resistant
(Size 15/15S/16/16S) Gauge For infos on Gauge please see catalog VG95234, part 1 Coupling Torque Closing: 3,6 Nm max / Opening: 0,35 Nm min 35 N Shell Material Aluminium alloy Shell Plating CR-Elastomere Contact Material Copper alloy Harnessing Info: Contact Cross-Section 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 Copper alloy Harnessing Info: Contact Cross-Section Wire Stripping Closing: 3,6 Nm max / Opening: 0,35 Nm min 35 N Closing: 3,6 Nm max / Opening: 0,35 Nm min 36 N Closing: 0,45 Nm max / Opening: 0,35 Nm min Closing: 0,45 Nm max / Opening: 0,45 Nm min 35 N Closing: 3,6 Nm max / Opening: 0,45 Nm min 26 Nm max / Opening: 0,45 Nm min 27 Nm max / Opening: 0,45 Nm min 28 N Contact Retention Contact Retention Coloring: 0,45 Nm max / Opening: 0,45 Nm min 28 N Contact Retention Contact Retention 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	Gauge	
(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: 3,6 Nm max / Opening: 0,35 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 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 Global Manufacturing Part Number: 121136-0309		
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