

Datasheet for part number CA3106E28-21PBF80F0

Our Catalog Part Number: CA3106E28-21P-B-F80-F0

Our Global Manufacturing Part Number: 121144-0258

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

Bayonet Connector with bayonet coupling Shell Style Plug, straight Endbell Style Endbell with clamp and bushing Gender Pin Shell Size 28 Contact Arrangement 28-21 Number of contacts 37 contacts size 16 Contact Type AWG Crimp Contact Plating Hard silver Contact Plating Hard silver Contact Included no, delivery without contacts Shielding no 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 60384-44-1. 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 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 Contact (Size 15/15S/16/16S) Shell Plating (Conductive) Insulator and Grommet Material Aluminium alloy Clive drab chromate over cadmium plating (conductive) Insulator and Grommet Material Copper alloy Harnessing Info: Insulator Diameter See assembly instruction Wire Stripping (Size 15/15S/16S) 6.2 mm	Product Datasheet	
Shell Style		Connector with bayonet coupling
Endbell Style Endbell with clamp and bushing Gender Pin Shell Size 28 Contact Arrangement 28-21 Number of contacts 37 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 1P67 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 </td <td></td> <td>, , ,</td>		, , ,
Shell Size	Endbell Style	
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Number of contacts 37 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) 22 A (Size 15/155/16/16S) 22 A Contact Resistance 6 mΩ (Size 15/155/16/16S) AWG 18/16 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, IEEE 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 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: 17 Nm max / Opening: 0,92 Nm min Contact Retention (Size 15/15S/16/16S) 35 N Shell Plating Olive drab chromate over cadmi	Shell Size	28
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 Ple7a acc. to DIN 40 050 and IP68 (1 bar pressure for 16h) Salt Spray Resistance 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: 17 Nm max / Opening: 0,92 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 Extremely instruction Wire Stringing	Contact Arrangement	28-21
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 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 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: 17 Nm max / Opening: 0,92 Nm min Contact Retention (Size 15/15S/16/16S) 35 N Shell Material Aluminium alloy Shell P	Number of contacts	37 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 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: 17 Nm max / Opening: 0,92 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) 22 A Cize 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 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: 17 Nm max / Opening: 0,92 Nm min Cize 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 Pe7 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 Contact Retention (Size 15/15S/16/16S) Shell Material Aluminium alloy Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material CR-IEISTOMMP. See assembly instruction Wire Strinping Wire Strinping	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: 17 Nm max / Opening: 0,92 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
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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 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: 17 Nm max / Opening: 0,92 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 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: 17 Nm max / Opening: 0,92 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: 17 Nm max / Opening: 0,92 Nm min Contact Retention (Size 15/15S/16/16S) Shell Material Aluminium alloy Shell Plating Insulator and Grommet Material Copper alloy Harnessing Info: Contact Cross-Section Wire Stripping	Test Voltage	2000 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 For info on Gauge please see catalog VG95234, part 1 Closing: 17 Nm max / Opening: 0,92 Nm min 35 N Shell Material Aluminium alloy 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	Air and Creepage Paths (Min)	1,1 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: 17 Nm max / Opening: 0,92 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: 17 Nm max / Opening: 0,92 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: 17 Nm max / Opening: 0,92 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: 17 Nm max / Opening: 0,92 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 Shell Plating Insulator and Grommet Material Contact Cross-Section Contact Material Copper alloy See assembly instruction Wire Stripping VG95234, part 1 Closing: 17 Nm max / Opening: 0,92 Nm min 35 N Closing: 17 Nm max / Opening: 0,92 Nm min 36 Not an application of the plant of th	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: 17 Nm max / Opening: 0,92 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.



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Our Catalog Part Number: CA3106E28-21P-B-F80-F0		
Our Global Manufacturing Part Number: 121144-0258		
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