

Datasheet for part number CA3106F18-19PBF80F0

Our Catalog Part Number: CA3106F18-19P-B-F80-F0

Our Global Manufacturing Part Number: 121182-0146

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

Bayonet Shell Style Plug, straight Endbell Style Gender Pin Shell Style Gender Pin Shell Size 18 Contact Arrangement Number of contacts 10 contacts size 16 Contact Type AWG Crimp Contact Plating Hard silver Contact Plating Contact Rating at +20 °C (68 °F) (Size 15/15S/16/16S) Contact Resistance (Size 15/15S/16/16S) Contact Resistance Contact Contact Contact Resistance Con	Product Datasheet	
Shell Style		Connector with bayonet coupling
Endbell Style		· · · · ·
Shell Size		1 2 2
Contact Arrangement 18-19 Number of contacts 10 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 15/155/16/16S) 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 15/15S/16/16S) 1,0 N Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Colosing: 8 Nm max / Opening: 0,58 Nm min Contact Retention (Size 15/15		Pin
Number of contacts 10 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, IEEE 60384-4-41. Insulator Resistance Acc. To VG95319, part 2, lest no. 5.12 and VG95210, part 32, lest 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 Sep. Force per Contact (Size 15/15S/16/16S) 35 N Shell Plating Olive drab chromate over cadmium plating (conductive) I	Shell Size	18
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. 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 N Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Closing: 8 Nm max / Opening: 0,58 Nm min Contact Retention (Size 15/15S/16/16S) 35 N Shell Plating Olive drab chromate over cadmium plating (co	Contact Arrangement	18-19
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 Urice Coss 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. 512 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: 8 Nm max / Opening: 0,58 Nm min Coitzet Telention (Size 15/15S/16/16S) 35 N Shell Plating Olive drab chromate over cadmium platin	Number of contacts	10 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 no. 5.12 and VG95210, part	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 hours salt spray resistant 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: 8 Nm max / Opening: 0,58 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) 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: 8 Nm max / Opening: 0,58 Nm min Contact Retention (Size 15/15S/16/16S) 35 N Shell Material Aluminium alloy Insulator and Grommet Material CR-Elastomere Contact Material Copper alloy Harnessing Info: Insulator Diameter See assembly instruction Wire Stripping	Contacts included	no, delivery without contacts
(Size 15/15S/16/16S) 22 π 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 60364-4-41. Insulator Resistance Acc. To VG95319, part 22, 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: 8 Nm max / Opening: 0,58 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	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. Insulator Resistance Acc. Το 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 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: 8 Nm max / Opening: 0,58 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 Copper alloy Harnessing Info: Contact Cross-Section 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 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: 8 Nm max / Opening: 0,58 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 Stripping	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: 8 Nm max / Opening: 0,58 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: 8 Nm max / Opening: 0,58 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 See assembly instruction Wire Stripping	Test Voltage	2000 Vrms
Ambient Temperature (-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: 8 Nm max / Opening: 0,58 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 See assembly instruction Wire Stripping	Air and Creepage Paths (Min)	1,1 mm
Salt Spray Resistance Sol 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: 8 Nm max / Opening: 0,58 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 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 Closing: 8 Nm max / Opening: 0,58 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: 8 Nm max / Opening: 0,58 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 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 Closing: 8 Nm max / Opening: 0,58 Nm min 35 N Shell Material Aluminium alloy Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material Capper 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: 8 Nm max / Opening: 0,58 Nm min 35 N Closing: 8 Nm max / Opening: 0,58 Nm min 36 N Closing: 8 Nm max / Opening: 0,58 Nm min 36 N Closing: 8 Nm max / Opening: 0,58 Nm min 37 N Contact Retention (Size 15/15S/16/16S) Conductive CR-Elastomere 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 CR-Elastomere Contact Material Copper alloy Harnessing Info: Contact Cross-Section Harnessing Info: Insulator Diameter See assembly instruction Wire Stripping	Coupling Torque	Closing: 8 Nm max / Opening: 0,58 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 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 Catalog Part Number: CA3106F18-19P-B-F80-F0		
Our Global Manufacturing Part Number: 121182-0146		
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