

## Datasheet for part number CA3108F16S-1SB15

Our Catalog Part Number: CA3108F16S-1S-B-15

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

	Product Datasheet	
Endbell Style  Gender  Socket Shell Size  Contact Arrangement Number of contacts  Contact Plating Shielding Shieldi	Bayonet	Connector with bayonet coupling
Sender   Socket	Shell Style	Plug, 90°
Shell Size	Endbell Style	
Contact Arrangement   16S-1	Gender	Socket
Number of contacts	Shell Size	16S
Contact Type       AWG Crimp         Contact Plating       Hard silver         Shielding       yes         Contact Rating at +20 °C (68 °F)       22 A         (Size 15/15S/16/16S)       6 mΩ         Contact Resistance       6 mΩ         (Size 15/15S/16/16S)       AWG 18/16         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.         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       2000 Vrms         Air and Creepage Paths (Min)       1,1 mm         Ambient Temperature       Standard insulator material -55°/+125°C (-677257°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: 5,5 Nm max / Opening: 0,46 Nm min         Contact Retention (Size 15/15S/16/16S)       35 N         Shell Plating       Olive drab chromate over cadmium plating (conductive)	Contact Arrangement	16S-1
Contact Plating       Hard silver         Shielding       yes         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 60364-441.         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: 5,5 Nm max / Opening: 0,46 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	Number of contacts	7 contacts size 16S
Shielding     yes       Contact Rating at +20 °C (68 °F) (Size 15/15/16/16S)     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: 5,5 Nm max / Opening: 0,46 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 Retention (Size 15/15S/16/16S)     See assembly instruction       Harnessing Info: Insulator Diameter     See assembly instruction       Harnessing Info: Insulator Diameter     See assembly instruction </td <td>Contact Type</td> <td>AWG Crimp</td>	Contact Type	AWG Crimp
Contact Rating at +20 °C (68 °F)       22 A         (Size 15/155/16/16S)       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         Countact 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 Stripping (Size 15/15S/16/16S)	Contact Plating	Hard silver
(Size 15/15S/16/16S)       22 A         Contact Resistance (Size 15/15S/16/16S)       6 mΩ         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 60364-4-41.         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: 5,5 Nm max / Opening: 0,46 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: Insulator Diameter       See assembly i	Shielding	yes
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 60364-44-1.   Insulator Resistance		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: 5,5 Nm max / Opening: 0,46 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 Stripping (Size 15/15S/16/16S)       6,2 mm         All tests in accordance with VG95319 and/or if	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: 5,5 Nm max / Opening: 0,46 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 (Size 15/15S/16/16S)     6,2 mm       All tests in accordance with VG95319 and/or if	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  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  Contact Material  Contact Material  Contact Material  Contact Material  Contact Material  Copper alloy  Harnessing Info: Contact Cross-Section  See assembly instruction  Wire Stripping (Size 15/15S/16/16S)  General Info  All tests in accordance with VG95319 and/or if	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  Sep. Force per Contact (Size 15/15S/16/16S)  Gage  For infos on Gage please see catalog VG95234, part 1  Coupling Torque  Closing: 5,5 Nm max / Opening: 0,46 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 (Size 15/15S/16/16S)  6,2 mm  All tests in accordance with VG95319 and/or if	Test Voltage	2000 Vrms
Ambient Temperature  (-67/257°F)  Safety Provisions    P67 and IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050    Salt Spray Resistance	Air and Creepage Paths (Min)	1,1 mm
Salety Provisions  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: 5,5 Nm max / Opening: 0,46 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  See assembly instruction  Wire Stripping (Size 15/15S/16/16S)  General Info  All tests in accordance with VG95319 and/or if	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: 5,5 Nm max / Opening: 0,46 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 (Size 15/15S/16/16S)  General Info  All tests in accordance with VG95319 and/or if	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: 5,5 Nm max / Opening: 0,46 Nm min  35 N  Shell Material  Aluminium alloy  Olive drab chromate over cadmium plating (conductive)  Insulator and Grommet Material  Copper alloy  Harnessing Info: Contact Cross-Section  Harnessing Info: Insulator Diameter  See assembly instruction  Wire Stripping (Size 15/15S/16/16S)  General Info  All tests in accordance with VG95319 and/or if	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: 5,5 Nm max / Opening: 0,46 Nm min  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  Wire Stripping (Size 15/15S/16/16S)  General Info  All tests in accordance with VG95319 and/or if	Mating Cycles	500 min
Coupling Torque Closing: 5,5 Nm max / Opening: 0,46 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 (Size 15/15S/16/16S) All tests in accordance with VG95319 and/or if		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 (Size 15/15S/16/16S)  All tests in accordance with VG95319 and/or if	Gage	For infos on Gage please see catalog VG95234, part 1
(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 (Size 15/15S/16/16S)  General Info  All tests in accordance with VG95319 and/or if	Coupling Torque	Closing: 5,5 Nm max / Opening: 0,46 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 (Size 15/15S/16/16S)  General Info  All tests in accordance with VG95319 and/or if		35 N
Insulator and Grommet Material  Contact Material  Copper alloy  Harnessing Info: Contact Cross-Section  Harnessing Info: Insulator Diameter  See assembly instruction  Wire Stripping (Size 15/15S/16/16S)  General Info  All tests in accordance with VG95319 and/or if	Shell Material	Aluminium alloy
Contact Material  Copper alloy  Harnessing Info: Contact Cross-Section  See assembly instruction  Harnessing Info: Insulator Diameter  See assembly instruction  Wire Stripping (Size 15/15S/16/16S)  6,2 mm  All tests in accordance with VG95319 and/or if	Shell Plating	
Harnessing Info: Contact Cross-Section  See assembly instruction  Harnessing Info: Insulator Diameter  See assembly instruction  Wire Stripping (Size 15/15S/16/16S)  6,2 mm  All tests in accordance with VG95319 and/or if	Insulator and Grommet Material	CR-Elastomere
Harnessing Info: Insulator Diameter  See assembly instruction  Wire Stripping (Size 15/15S/16/16S)  6,2 mm  All tests in accordance with VG95319 and/or if	Contact Material	Copper alloy
Wire Stripping (Size 15/15S/16/16S)  6,2 mm  All tests in accordance with VG95319 and/or if	Harnessing Info: Contact Cross-Section	See assembly instruction
(Size 15/15S/16/16S)  General Info  All tests in accordance with VG95319 and/or if	Harnessing Info: Insulator Diameter	See assembly instruction
	Wire Stripping (Size 15/15S/16/16S)	6,2 mm
	General Info	

Specifications and dimensions subject to change.