

## Datasheet for part number CA3106E22-19SB03F0

Our Catalog Part Number: CA3106E22-19S-B-03-F0

Our Global Manufacturing Part Number: 121142-0290

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

Responsive	Product Datasheet	
Shell Style         Plug, straight           Endbell Style         Endbell for heatshrinkable boots           Gender         Socket           Shell Size         22           Contact Arrangement         22-19           Number of contacts         14 contacts size 15           Contact Plating         Hard silver           Contact Plating         Hard silver           Contacts included         no, delivery without contacts           Shielding         no           Contact Rating at +20 °C (68 °F)         22 A           (Size 15/15S716716S)         22 A           Wire Cross Section         0,75-1,5mm²           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         and VG95210, 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           Saft Spray Resistance         500 hours salt spray resistant           Mating Cycles         500 min		Connector with bayonet coupling
Endbell Style		1 1 2
Socket   Shell Size   22   Contact Arrangement   22-19		Endbell for heatshrinkable boots
Shell Size		
Number of contacts	Shell Size	
Number of contacts	Contact Arrangement	22-19
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         0,75-1,5mm²           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: 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 Mater		14 contacts size 15
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         0,75-1,5mm²           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: 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 Mater	Contact Type	Metric 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       0,75-1,5mm²         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		Hard silver
Contact Rating at +20 °C (68 °F)       22 A         (Size 15/15S/16/16S)       6 mΩ         Contact Resistance (Size 15/15S/16/16S)       6 mΩ         Wire Cross Section       0,75-1,5mm²         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: 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       <	Contacts included	no, delivery without contacts
Contact Resistance (Size 15/15S/16/16S)   6 mΩ   0,75-1,5mm²   In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60364-4-41.   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   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   35 N   Shell Material   Aluminium alloy   Clive drab chromate over cadmium plating (conductive)   Insulator and Grommet Material   CP-Elastomere   Contact Material   Copper alloy   See assembly instruction   See assembly instruction   Wire Stripping   Strip	Shielding	no
Size 15/15S/16/16S    Wire Cross Section   0,75-1,5mm²   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		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.   IEC 60364-4-4.   IEC 60364-		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	0,75-1,5mm²
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  Salt 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  Closing: 11 Nm max / Opening: 0,8 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  Wire Stripping  1,1 mm  Standard insulator material -55°/+125°C (-67/257°F)  Insulator mat	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  Shell Plating  Insulator and Grommet Material  CR-Elastomere  Contact Material  Copper alloy  Harnessing Info: Contact Cross-Section  Wire Stripping	Test Voltage	2000 Vrms
Safety Provisions  Safety Provisions  Salt Spray Resistance  Mating Cycles  Sep. Force per Contact (Size 15/15S/16/16S)  Gage  Coupling Torque  Contact Retention (Size 15/15S/16/16S)  Shell Material  Shell Plating  Contact Material  Contact Material  Contact Material  Contact Material  Harnessing Info: Contact Cross-Section  IP67 and IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating IP67 and IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating IP67 and IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating IP67 and IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating IP67 and IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating IP67 and IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating IP67 and IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050  South Plating	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  Contact Retention (Size 15/15S/16/16S)  Shell Material  Shell Plating  Insulator and Grommet Material  Contact Material  Contact Material  Contact Material  Copper alloy  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  Contact Retention (Size 15/15S/16/16S)  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	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  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  Copper alloy  Harnessing Info: Contact Cross-Section  Wire Stripping  See assembly instruction  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  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  Colosing: 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  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 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  VG95234, part 1 Closing: 11 Nm max / Opening: 0,8 Nm min  35 N  Slow Closing: 11 Nm max / Opening: 0,8 Nm min  36 N  Closing: 11 Nm max / Opening: 0,8 Nm min  36 N  Colorative Colorative Contact Aluminium alloy 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  CR-Elastomere  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: 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  CR-Elastomere  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  Harnessing Info: Insulator Diameter  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: CA3106E22-19S-B-03-F0		
Our Global Manufacturing Part Number: 121142-0290		
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