

Datasheet for part number CA3106E20-29S-B-02-F0

Our Catalog Part Number: CA3106E20-29S-B-02-F0

Our Global Manufacturing Part Number: 121575-0575

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

| Shell Style | Product Datasheet | |
|---|--|---|
| Shell Style | | Connector with bayonet coupling |
| Endbell Style | | , , , |
| Socket Shell Size 20 | Endbell Style | |
| Shell Size | • | |
| Number of contacts 17 contacts size 16 | Shell Size | |
| Number of contacts 17 contacts size 16 | Contact Arrangement | 20-29 |
| 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 (-67/257°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: 9 Nm max / Opening: 0,7 Nm min Contact Retention (Size 15/15S/16/16S) 35 N Shell Material Aluminium alloy Shell Plating Olive drab chromate over cadmium plating | _ | 17 contacts size 16 |
| 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 (-67/257°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: 9 Nm max / Opening: 0,7 Nm min Contact Retention (Size 15/15S/16/16S) 35 N Shell Material Aluminium alloy Shell Plating Olive drab chromate over cadmium plating | 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 60364-4-41. Insulator Resistance Acc. To V-G95319, 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: 9 Nm max / Opening: 0,7 Nm min Cisze 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: Contact Cro | | 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 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 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: 9 Nm max / Opening: 0,7 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 Cop | 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 Departing 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 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: 9 Nm max / Opening: 0,7 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 | 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 IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h) Salt Spray Resistance Mating Cycles 500 min Sep. Force per Contact (Size 15/155/16/16S) Gauge For infos on Gauge please see catalog VG95234, part 1 Coupling Torque Closing: 9 Nm max / Opening: 0,7 Nm min Contact Retention (Size 15/15S/16/16S) Shell Material Shell Plating Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material Contact Material Contact Material Contact Material Harnessing Info: Contact Cross-Section Wire Stripping | | 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 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 15/155/16/16S) 1,0 N Gauge For infos on Gauge please see catalog VG95234, part 1 Coupling Torque Closing: 9 Nm max / Opening: 0,7 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 instruction Wire Stripping | 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 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: 9 Nm max / Opening: 0,7 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: 9 Nm max / Opening: 0,7 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 Contact Material Contact Material Copper alloy Harnessing Info: Contact Cross-Section See assembly instruction Wire Stripping | Insulator Resistance | and VG95210, part 32, test conditions B. |
| Ambient Temperature Standard insulator material -55°/+125°C (-67/257°F) 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: 9 Nm max / Opening: 0,7 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 | Test Voltage | 2000 Vrms |
| Safety Provisions Salt Spray Resistance Sou hours salt spray resistant 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 Shell Plating Insulator and Grommet Material Contact Material Harnessing Info: Contact Cross-Section IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h) For info on Gauge please see catalog VG95234, part 1 Closing: 9 Nm max / Opening: 0,7 Nm min 35 N CR-Elastomere Contact 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: 9 Nm max / Opening: 0,7 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 Stringing | 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: 9 Nm max / Opening: 0,7 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 | 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: 9 Nm max / Opening: 0,7 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 | 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: 9 Nm max / Opening: 0,7 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 | 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 Copper alloy Harnessing Info: Contact Cross-Section 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 CR-Elastomere Contact Material Copper alloy Harnessing Info: Contact Cross-Section Harnessing Info: Insulator Diameter See assembly instruction Wire Stripping | Coupling Torque | Closing: 9 Nm max / Opening: 0,7 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 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.



Datasheet for part number CA3106E20-29S-B-02-F0

| Our Catalog Part Number: CA3106E20-29S-B-02-F0 | | |
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| Our Global Manufacturing Part Number: 121575-0575 | | |
| 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 |