

Datasheet for part number CA3100E24-28PBF80F0

Our Catalog Part Number: CA3100E24-28P-B-F80-F0

Our Global Manufacturing Part Number: 121575-3373

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

Bayonet Connector with bayonet coupling	Product Datasheet	
Shell Style Wall mounting receptacle Endbell Style Endbell with clamp and bushing Gender Pin Shell Size 24 Contact Arrangement 24-28 Number of contacts 24 contacts size 16 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 15/15S/16/16S) 22 A 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 Abc. To VG95319, part 2, test molitions B, standard insulator material > 55°/+125°C (-67/257°F) Safety Provisions Insulator material -55°/+125°C (-67/257°F) Safety Provisions Insulator material -55°/+125°C (-67/257°F) Safety Provisions IP67 and IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050 Safety Provisions IP67 and IP		Connector with bayonet coupling
Endbell Style		· · · · ·
Shell Size		¥ .
Contact Arrangement 24-28 Number of contacts 24 contacts size 16 Contact Type AWG Crimp Contact Plating Hard silver Contact 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 V995319, part 2, test no. 5.12 and VG95210, part 32, test conditions B, standard insulator material > 1000 MΩ Test Voltage 1050 Vrms Air and Creepage Paths (Min) 0,7 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: 14 Nm max / Opening: 0.8 Nm min Contact Retention (Size 15/15S/16/16S) 35 N Shell Material Aluminium alloy Shell Material CR-Elastomere		
Number of contacts	Shell Size	24
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) 22 A Contact Resistance (size 15/15S/16/16S) 6 mΩ Wire Cross Section AWG 18/16 Operating Voltage Incase of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60364-44-1. 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 1050 Vrms Air and Creepage Paths (Min) 0,7 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: 14 Nm max / Opening: 0,8 Nm min Contact Retention (Size 15/15S/16/16S) </td <td>Contact Arrangement</td> <td>24-28</td>	Contact Arrangement	24-28
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 1050 Vrms Air and Creepage Paths (Min) 0,7 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: 14 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 Material	Number of contacts	24 contacts size 16
Contacts included no, delivery without contacts Shielding no Contact Rating at +20 °C (68 °F) (Size 15/15/S/f6/16S) 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 60384-4-41. Insulator Resistance Acc. To VG95210, part 2, test no. 5.12 and V695210, part 32, test conditions B, standard insulator material > 1000 MΩ Test Voltage 1050 Vrms Air and Creepage Paths (Min) 0,7 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: 14 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	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 1050 Vrms Air and Creepage Paths (Min) 0,7 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: 14 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 <	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 VG95219, part 2, test no. 5.12 and VG95210, part 32, test conditions B, standard insulator material > 1000 MΩ Test Voltage 1050 Vrms Air and Creepage Paths (Min) 0,7 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: 14 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	Contacts included	no, delivery without contacts
Contact Resistance (Size 15/15S/16/16S) 6 mΩ	Shielding	no
Size 15/15S/16/16S) Similar		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		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 1050 Vrms Air and Creepage Paths (Min) 0.7 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: 14 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: 14 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 O,7 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: 14 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	1050 Vrms
Safety Provisions 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 Harnessing Info: Contact Cross-Section IP67 and IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050 Solo hours salt spray resistant 1,0 N For infos on Gage please see catalog VG95234, part 1 Closing: 14 Nm max / Opening: 0,8 Nm min 35 N 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)	0,7 mm
Salety 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 Contact Retention (Size 15/15S/16/16S) Shell Material Shell Plating Contact Material Contact Material Contact Material Harnessing Info: Contact Cross-Section DIN 40 050 500 hours salt spray resistant 1,0 N Con Material Closing: 14 Nm max / Opening: 0,8 Nm min Aluminium alloy Olive drab chromate over cadmium plating (conductive) Insulator and Grommet 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: 14 Nm max / Opening: 0,8 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) Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Closing: 14 Nm max / Opening: 0,8 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) Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Colosing: 14 Nm max / Opening: 0,8 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 Contact Material Copper alloy Harnessing Info: Contact Cross-Section Wire Stripping Coulong: 14 Nm max / Opening: 0,8 Nm min 35 N Closing: 14 Nm max / Opening: 0,8 Nm min 36 N Closing: 14 Nm max / Opening: 0,8 Nm min 36 N Closing: 14 Nm max / Opening: 0,8 Nm min 37 N Closing: 14 Nm max / Opening: 0,8 Nm min 38 N Closing: 14 Nm max / Opening: 0,8 Nm min 38 N Closing: 14 Nm max / Opening: 0,8 Nm min 36 N Colorative Stripping Contact Retention See assembly instruction Contact Retention See assembly instruction	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	Coupling Torque	Closing: 14 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: CA3100E24-28P-B-F80-F0		
Our Global Manufacturing Part Number: 121575-3373		
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