

## Datasheet for part number CA3101E28-12PBF80F0

Our Catalog Part Number: CA3101E28-12P-B-F80-F0

Our Global Manufacturing Part Number: 121227-0859

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

Bayonet Shell Style Cable connecting plug Endbell Style Endbell Style Endbell Style Endbell with clamp and bushing Gender Pin Shell Size 28 Contact Arrangement Number of contacts 22 contacts size 16 Contact Type AWG Crimp Contact Plating Hard silver Contact Ring at +20 °C (68 °F) (Size 15/15S/16/16S) Contact Rating at +20 °C (68 °F) (Size 15/15S/16/16S) Contact Resistance (Size 15/15S/16/16S) 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 60384-4441. 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 Salandard insulator material -55"/+125"C (-67/257"F) Safety Provisions IPG7 acc. to DIN 40 050 and IPG8 (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 Contact Retention (Size 15/15S/16/16S) Shell Plating Contact Retention (Size 15/15S/16/16S) Shell Plating Contact Retention (Size 15/15S/16/16S) Shell Plating Contact Material Aluminium alloy Cilve drab chromate over cadmium plating (conductive) Insulator and Grommet Material CR-Elastomere Contact Material Aluminium alloy Cilve drab chromate over cadmium plating (conductive) Insulator and Grommet Material CR-Elastomere Contact Material Aluminium alloy Cilve drab chromate over cadmium plating (conductive) Insulator and Grommet Material CR-Elastomere Contact Material Aluminium alloy Cilve drab chromate over cadmium plating (conductive) Insulator and Grommet Material Copper alloy Harnessing Info: Insulator Diameter See assembly instruction Wire Stripping (Size 15/15S/16/16S) 6.2 mm	Product Datasheet	
Shell Style   Cable connecting plug		Connector with bayonet coupling
Shell Size		1 1
Shell Size         28           Contact Arrangement         28-12           Number of contacts         26 contacts size 16           Contact Type         AWG Crimp           Contact Plating         Hard silver           Contact Plating         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 60364-441.           Insulator Resistance         Acc. To VC95319, 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         IPG7 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 VC95234, part 1           Contact Retention (Size 15/15S/16/16S)	Endbell Style	Endbell with clamp and bushing
Contact Arrangement       28-12         Number of contacts       26 contacts size 16         Contact Type       AWG Crimp         Contact Plating       Hard silver         Contact Plating       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 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         Se. Force per Contact (Size 15/158/16/16S)       1,0 N         Gauge       For infos on Gauge please see catalog VG95234, part 1         Coupling Torque       Closing: 17 Nm max / Opening: 0.92 Nm min         Contact Retention (Size 15/158/16/16		Pin
Number of contacts         26 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, IEC 60384-4-41.           Insulator Resistance         Acc. To VG96319, part 2, test no. 5.12 and VG96210, 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 (-(-7/257°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: 17 Nm max / Opening: 0,92 Nm min           Contac	Shell Size	28
Contact Type Contact Platting Contact Platting Contacts included Shielding Contact Rating at +20 °C (68 °F) (Size 15/15S/16/16S) Contact Rating at +20 °C (68 °F) (Size 15/15S/16/16S)  Contact Resistance (Size 15/15S/16/16S)  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 Air and Creepage Paths (Min) Ambient Temperature Standard insulator material -55°/+125°C (-67/25°°F) Safety Provisions Ple7a acc. to DIN 40 050 and IP68 (1 bar pressure for 16h) Salt Spray Resistance Mating Cycles 500 min Sep. Force per Contact (Size 15/15S/16/16S)  Gauge For infos on Gauge please see catalog VG95234, part 1 Closing: 17 Nm max / Opening: 0,92 Nm min Contact Retention (Size 15/15S/16/16S) Shell Material Aluminium alloy Olive drab chromate over cadmium plating (conductive) Insulator and Grommet Material Copper alloy Harnessing Info: Insulator Diameter  Wire Stringing  View Extringing View Extremely instruction  Wire Stringing	Contact Arrangement	28-12
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         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 15/155/16/16S)         1,0 N           Gauge         For infos on Gauge please see catalog VG95234, part 1           Coupling Torque         Closing: 17 Nm max / Opening: 0,92 Nm min           Contact Retention (Size 15/15S/16/16S)         35 N           Shell Plating	Number of contacts	26 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 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: 17 Nm max / Opening: 0,92 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     Ce-Elastomere       Contact Material     Copper alloy       Harnessing Info: Insulator Diameter     See assembly	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 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: 17 Nm max / Opening: 0,92 Nm min         Cisze 15/15S/16/16S)       35 N         Shell Plating       Olive drab chromate over cadmium plating (conductive)         Insulator and Grommet Material       CR-Elastomere         Contact Material       CR-Elastomere         Contact Material       CR-Elastomere         Contact Material       Cee assembly instruc	Contact Plating	Hard silver
Contact Rating at +20 °C (68 °F) (Size 15/15S/16/16S)  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  Air and Creepage Paths (Min)  Ambient Temperature  Standard insulator material -55°/+125°C (-67/257°F)  Safety Provisions  Pe7 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h)  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  Contact Retention (Size 15/15S/16/16S)  Shell Material  Aluminium alloy  Olive drab chromate over cadmium plating (conductive)  Insulator and Grommet Material  CR-IEISTOMMP.  See assembly instruction  Wire Strinping  Wire Strinping	Contacts included	no, delivery without contacts
Contact Resistance (Size 15/15S/16/16S)   E2 K	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		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 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: 17 Nm max / Opening: 0,92 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: 17 Nm max / Opening: 0,92 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 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: 17 Nm max / Opening: 0,92 Nm min  Contact Retention (Size 15/15S/16/16S)  Shell Material  Aluminium alloy  Shell Plating  Insulator and Grommet Material  Copper alloy  Harnessing Info: Contact Cross-Section  Wire Stripping	Test Voltage	2000 Vrms
Safety Provisions  Salt Spray Resistance  Mating Cycles  Sep. Force per Contact (Size 15/15S/16/16S)  Gauge  Coupling Torque  Contact Retention (Size 15/15S/16/16S)  Shell Material  Shell Plating  Shell Plating  Insulator and Grommet Material  Contact Material  Contact Material  Harnessing Info: Contact Cross-Section  IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h)  IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h)  IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h)  IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h)  IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h)  IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h)  IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h)  IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h)  IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h)  IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h)  IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h)  IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h)  IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h)  IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h)  IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h)  IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h)  IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h)  IP67 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h)  IP68 acc. to DIN 40 050 and IP68 (1 bar pressure for 16h)  IP68 acc. to DIN 40 050 and IP68 (1 bar presistant)  IP68 acc. to DIN 40 050 and IP68 (1 bar presistant)  IP68 acc. to DIN 40 050 and IP68 (1 bar presistant)  IP68 acc. to DIN 40 050 and IP68 (1 bar presistant)  IP68 acc. to DIN 40 050 and IP68 (1 bar presistant)  IP68 acc. to DIN 40 050 and IP68 (1 bar presistant)  IP68 acc. to DIN 40 050 and IP68 (1 bar presistant)  IP68 acc. to DIN 40 050 and IP68 (1 bar presistant)  IP68 acc. to DIN 40 050 and IP68 (1 bar presistant)  IP68 acc. to DIN 40 050 and IP68 (1 bar presistant)  IP68 acc. to DIN 40 050 and IP68 (1 bar presistant)  IP68 acc. to DIN 40 05	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: 17 Nm max / Opening: 0,92 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  Mire Stripping  See assembly instruction  Wire Stripping	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: 17 Nm max / Opening: 0,92 Nm min  Contact Retention (Size 15/15S/16/16S)  Shell Material  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	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: 17 Nm max / Opening: 0,92 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	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: 17 Nm max / Opening: 0,92 Nm min  35 N  Shell Material  Aluminium alloy  Shell Plating  CR-Elastomere  Contact Material  Copper alloy  Harnessing Info: Contact Cross-Section  Wire Stripping	Mating Cycles	500 min
Coupling Torque Contact Retention (Size 15/15S/16/16S) Shell Material Shell Plating Insulator and Grommet Material Contact Cross-Section Contact Material Copper alloy  See assembly instruction Wire Stripping  VG95234, part 1 Closing: 17 Nm max / Opening: 0,92 Nm min  35 N Closing: 17 Nm max / Opening: 0,92 Nm min  36 Not an application of the plant of th	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  Contact Material  Copper alloy  Harnessing Info: Contact Cross-Section  Harnessing Info: Insulator Diameter  See assembly instruction  Wire Stripping	Coupling Torque	Closing: 17 Nm max / Opening: 0,92 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  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 CA3101E28-12PBF80F0

Our Catalog Part Number: CA3101E28-12P-B-F80-F0		
Our Global Manufacturing Part Number: 121227-0859		
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