



# Datasheet for part number CA3102E18-13SBF80F0

Our Catalog Part Number: CA3102E18-13S-B-F80-F0	
Brand: Cannon	Product Category: Circular Product Line: CA Bayonet Series: CA BAYONET

Product Datasheet	
Bayonet	Connector with bayonet coupling
Shell Style	Box mounting receptacle
Gender	Socket
Shell Size	18
Contact Arrangement	18-13
Number of contacts	3 contacts size 12, 1 contact size 8
Contact Type	AWG Crimp
Contact Plating	Hard silver
Contacts included	no, delivery without contacts
Shielding	no
Contact Rating at +20 °C (68 °F) (Size 25/12)	41 A
Contact Rating at +20 °C (68 °F) (Size 60/100/8)	74 A
Contact Resistance (Size 25/12)	3 mΩ
Contact Resistance (Size 60/100/8)	1 mΩ
Wire Cross Section	AWG 14/12 (Size 12), AWG 8 (Size 8)
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 25/12)	1,5 N
Sep. Force per Contact (Size 60/100/8)	3,0 N
Gage	For infos on Gage please see catalog VG95234, part 1
Coupling Torque	Closing: 8 Nm max / Opening: 0,58 Nm min
Contact Retention (Size 25/12)	55 N
Contact Retention (Size 60/100/8)	80 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	<a href="#">See assembly instruction</a>
Harnessing Info: Insulator Diameter	<a href="#">See assembly instruction</a>
Wire Stripping (Size 25/12)	6,2 mm
Wire Stripping (Size 60/100/8)	11,8 mm

Specifications and dimensions subject to change.



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General Info	<i>All tests in accordance with VG95319 and/or if applicable with VG95210</i>