



Datasheet for part number CA3100E20-2S-B-14

Our Catalog Part Number: CA3100E20-2S-B-14
Brand: Cannon Product Category: Circular Product Line: CA Bayonet Series: CA BAYONET

Product Datasheet	
Bayonet	Connector with bayonet coupling
Shell Style	Wall mounting receptacle
Endbell Style	Shielded connector with endbell for shielded braids and heat shrinkable boots
Gender	Socket
Shell Size	20
Contact Arrangement	20-2
Number of contacts	1 contact size 500
Contact Type	Metric Crimp
Contact Plating	Hard silver
Shielding	yes
Contact Rating at +20 °C (68 °F) (Size 500/0)	245 A
Contact Resistance (Size 500/0)	0,2 mΩ
Wire Cross Section	50mm <sup>2</sup>
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	2500 Vrms
Air and Creepage Paths (Min)	2,8 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 500/0)	8,5 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 500/0)	95 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 500/0)	13,7 mm
General Info	<i>All tests in accordance with VG95319 and/or if applicable with VG95210</i>

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