Datasheet for part number CA3100F32-1S-B-F80-05

Our Catalog Part Number:	CA3100F32-1S-B-F80-05

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

Product Datasheet	
Bayonet	Connector with bayonet coupling
Shell Style	Wall mounting receptacle (rear mount, through holes in flange)
Endbell Style	Endbell for flex tube
Gender	Socket
Shell Size	32
Contact Arrangement	32-1
Number of contacts	2 contacts size 0, 3 contacts size 12
Contact Type	AWG Crimp
Contact Plating	Hard silver
Shielding	no
Contact Rating at +20 °C (68 °F) (Size 25/12)	41 A
Contact Rating at +20 °C (68 °F) (Size 500/0)	245 A
Contact Resistance (Size 25/12)	3 mΩ
Contact Resistance (Size 500/0)	0,2 mΩ
Wire Cross Section	AWG 0 (Size 0), AWG 14/12 (Size 12)
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 25/12)	1,5 N
Sep. Force per Contact (Size 500/0)	8,5 N
Gauge	For infos on Gauge please see catalog VG95234, part 1
Coupling Torque	Closing: 19 Nm max / Opening: 1,03 Nm min
Contact Retention (Size 25/12)	55 N
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	See assembly instruction
Harnessing Info: Insulator Diameter	See assembly instruction
Wire Stripping (Size 25/12)	6,2 mm
Wire Stripping (Size 500/0)	13,7 mm
General Info	*All tests in accordance with VG95319 and/or if applicable with VG95210*

Specifications and dimensions subject to change.