



Datasheet for part number CA3100F36-6PBF80-05

Our Catalog Part Number: CA3100F36-6P-B-F80-05
Brand: Cannon Product Category: Circular Product Line: CA Bayonet Series: CA BAYONET

Product Datasheet	
Bayonet	Connector with bayonet coupling
Shell Style	Box mounting receptacle (rear mount, through holes in flange)
Endbell Style	Endbell for flex tube
Gender	Pin
Shell Size	36
Contact Arrangement	36-6
Number of contacts	4 contacts size 4, 2 contacts size 0
Contact Type	AWG Crimp
Contact Plating	Hard silver
Shielding	no
Contact Rating at +20 °C (68 °F) (Size 160/4)	135 A
Contact Rating at +20 °C (68 °F) (Size 500/0)	245 A
Contact Resistance (Size 160/4)	0,5 mΩ
Contact Resistance (Size 500/0)	0,2 mΩ
Wire Cross Section	AWG 4 (Size 4), AWG 0 (Size 0)
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 160/4)	4,0 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: 23 Nm max / Opening: 1,03 Nm min
Contact Retention (Size 160/4)	90 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 160/4)	11,8 mm

Specifications and dimensions subject to change.



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Product Datasheet	
Wire Stripping (Size 500/0)	13,7 mm
General Info	<i>All tests in accordance with VG95319 and/or if applicable with VG95210</i>