Datasheet for part number MS3102E18-7S

Our Catalog Part Number: MS3102E18-7S
Brand: Cannon Product Category: Circular Product Line: MIL-DTL 5015 Series I Series: MIL-C-5015

Product Datasheet	
Thread	Connector with threaded coupling
Shell Style	Box mounting receptacle
Gender	Socket
Shell Size	18
Contact Arrangement	18-7
Number of contacts	1 contact size 8
Contact Type	Solder Cup
Contact Plating	Hard silver
Contacts installed	yes
Shielding	no
Contact Rating at +20 °C (68 °F) (Size 60/100/8)	74 A
Contact Resistance (Size 60/100/8)	1 mΩ
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	IP65 acc. to DIN 40 050
Salt Spray Resistance	500 hours salt spray resistant
Mating Cycles	500 min
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 60/100/8)	80 N
Shell Material	Aluminium alloy
Shell Plating	Olive drab chromate coating over cadmium plating
Insulator and Gromet Material	Neoprene
Contact Material	Copper alloy
Harnessing Info: Contact Cross-Section	See assembly instruction
Harnessing Info: Insulator Diameter	See assembly instruction
Wire Stripping (Size 60/100/8)	11,8 mm
General Info	*All tests in accordance with VG95319 and/or if applicable with VG95210*
SC_P_Code	CA

Specifications and dimensions subject to change.

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