



Datasheet for part number MS3100R36-14S

Our Catalog Part Number: MS3100R3614S
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	Wall mounting receptacle
Endbell Style	Shortened light-weight endbell without cable clamp
Gender	Socket
Shell Size	36
Contact Arrangement	36-14
Number of contacts	5 contacts size 8, 5 contacts size 12, 6 contacts size 16
Contact Type	Solder Cup
Contact Plating	Hard silver
Shielding	no
Contact Rating at +20 °C (68 °F) (Size 15/15S/16/16S)	22 A
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 15/15S/16/16S)	6 mΩ
Contact Resistance (Size 25/12)	3 mΩ
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 15/15S/16/16S)	1,0 N
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: 23 Nm max / Opening: 1,03 Nm min
Contact Retention (Size 15/15S/16/16S)	35 N
Contact Retention (Size 25/12)	55 N
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

Specifications and dimensions subject to change.



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Product Datasheet	
Harnessing Info: Contact Cross-Section	See assembly instruction
Harnessing Info: Insulator Diameter	See assembly instruction
Wire Stripping (Size 15/15S/16/16S)	6,2 mm
Wire Stripping (Size 25/12)	6,2 mm
Wire Stripping (Size 60/100/8)	11,8 mm
General Info	<i>All tests in accordance with VG95319 and/or if applicable with VG95210</i>