

MS3101E16S-8S

Part Number Details

ittPartNo	MS3101E16S-8S
Global Mfg Part No.	024231-0012
line	MIL-DTL 5015 Series I
series	MIL-C-5015
category	Circular
brand	Cannon

Thread	Connector with threaded coupling
Shell Style	Cable connecting plug
Endbell Style	Endbell with clamp and bushing
Gender	Socket
Shell Size	16S
Contact Arrangement	16S-8
Number of contacts	5 contacts size 16S
Contact Type	Solder Cup
Contact Plating	Hard silver
Contacts installed	yes
Shielding	no
Contact Rating at +20 °C (68 °F) (Size 15/15S/16/16S)	22 A
Contact Resistance (Size 15/15S/16/16S)	6 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	1600 Vrms
Air and Creepage Paths (Min)	1,1 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
Gage	For infos on Gage please see catalog VG95234, part 1
Coupling Torque	Closing: 5,5 Nm max / Opening: 0,46 Nm min

Contact Retention (Size 15/15S/16/16S)	35 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 15/15S/16/16S)	6,2 mm
General Info	<i>All tests in accordance with VG95319 and/or if applicable with VG95210</i>
SC_P_Code	CA
rohsCompliantFlag	NO
rohsCompliantString	material restrictions of lead, cadmium, hexavalent chromium, mercury, poly bromated biphenyl ether (PBB) and poly bromide diphenyl ether (PBDE) according to directive 2011/65/EU

Drawings for this part are available. Upon request your will be asked to provide your contact information at which time the appropriate drawing files will be sent to you via email.

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A datasheet is available for download.

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Part Number	Distributor	Qty	Location
MS3101E16S-8S	Farnell element14	2642	United Kingdom
MS3101E16S-8S	TTI Inc	13	United States
MS3101E16S-8S	PEI-Genesis, Inc.	587	United States
MS3101E16S-8S	Electronic Connector Company	62	United States
MS3101E16S-8S	Arrow Electronics	9	United States
MS3101E16S-8SF187	element14	1320	Singapore
MS3101E16S-8S	Newark element14	602	United States
MS3101E16S-8S	element14	1321	Singapore
MS3101E16S-8S	Digi-Key Electronics	593	United States
MS3101E16S-8SF187	Digi-Key Electronics	593	United States
MS3101E16S-8SF187	Newark element14	602	United States
MS3101E16S-8SF187	Farnell element14	2640	United Kingdom
MS3101E16S-8SF187	PEI-Genesis, Inc.	587	United States
MS3101E16S-8SF187	PEI-Genesis, Inc.	587	United Kingdom
MS3101E16S-8S	Arrow Electronics	558	United States
MS3101E16S-8SF187	Arrow Electronics	558	United States
MS3101E16S-8S	PEI-Genesis, Inc.	587	United Kingdom

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