

MS3102E20-15S

Part Number Details

ittPartNo	MS3102E20-15S
Global Mfg Part No.	024253-0042
line	MIL-DTL 5015 Series I
series	MIL-C-5015
category	Circular
brand	Cannon

Thread	Connector with threaded coupling
Shell Style	Box mounting receptacle
Gender	Socket
Shell Size	20
Contact Arrangement	20-15
Number of contacts	7 contacts size 12
Contact Type	Solder Cup
Contact Plating	Hard silver
Contacts installed	yes
Shielding	no
Contact Rating at +20 °C (68 °F) (Size 25/12)	41 A
Contact Resistance (Size 25/12)	3 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 25/12)	1,5 N
Gage	For infos on Gage please see catalog VG95234, part 1
Coupling Torque	Closing: 9 Nm max / Opening: 0,7 Nm min
Contact Retention (Size 25/12)	55 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 25/12)	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
MS3102E20-15SF16	Newark element14	27	United States
MS3102E20-15SF16	Digi-Key Electronics	27	United States
MS3102E20-15S	Arrow Electronics	414	United States
MS3102E20-15S	TTI Inc	110	United States
MS3102E20-15SZ	Digi-Key Electronics	27	United States
MS3102E20-15SW	Newark element14	27	United States
MS3102E20-15S	Digi-Key Electronics	27	United States
MS3102E20-15S	Arrow Electronics	213	United States
MS3102E20-15S	Arrow Electronics	148	United States
MS3102E20-15SW	Digi-Key Electronics	27	United States
MS3102E20-15SW	TTI Inc	110	United States
MS3102E20-15S	Newark element14	27	United States

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