

Datasheet for part number CA3106E28A16S-15

Our Catalog Part Number: CA3106E28A16S-15

Brand: Cannon Product Category: Circular Product Line: MIL-DTL 5015 Series I Series: MIL-C-5015

Shell Style	Product Datasheet	
Endbell Style Gender Socket Socket Shell Size 28 Contact Arrangement 28A16 Number of contacts 4 contacts size 4, 5 contacts size 16 Contact Type Contact Type AWG Crimp Contact Plating Hard silver Contact Shell Size Shell Size AWG Crimp Contact Shell Size Contact Rating at +20 °C (68 °F) (Size 15/15S/16/16S) 22 A Contact Rating at +20 °C (68 °F) (Size 15/15S/16/16S) 22 A Contact Resistance (Size 160/4) Contact Resistance (Size 160/4) In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60364 +21 cl. Insulator Resistance Acc. To VC95319, part 2, test no. 5.12 and VC995219, part 32, test conditions B, standard insulator material > 1000 MΩ Test Voltage Test Voltag	Thread	Connector with threaded coupling
Socket Shell Size 28 28 28 28 28 28 28 2	Shell Style	Plug, straight
Shell Size	Endbell Style	Endbell with clamp and bushing
Contact Arrangement	Gender	Socket
Number of contacts	Shell Size	28
Contact Type AWG Crimp Contact Plating Hard silver Contacts installed not assembled, packed separately Shielding yes Contact Rating at +20 °C (68 °F) 22 A (Size 15/15S/16/16S) 22 A Contact Resistance 6 mΩ (Size 15/15S/16/16S) 6 mΩ Contact Resistance (Size 160/4) 0,5 mΩ In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60384-4-41. 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 160/4) 4,0 N Gize 15/15/51/6/6S) 1,0 N Sep. Force per Contact (Size 160/4) 4,0 N Gage For infos on Gage please see catalog (V395234, part 1	Contact Arrangement	28A16
Contact Plating Hard silver Contacts installed not assembled, packed separately Shielding yes Contact Rating at +20 °C (68 °F) (Size 15/15S/16/16S) 22 A Contact Reting at +20 °C (68 °F) (Size 160/4) 135 A Contact Resistance (Size 160/4) 6 mΩ Contact Resistance (Size 160/4) 0,5 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 150/4) 4,0 N Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Closing: 17 Nm max / Opening: 0,92 Nm min Contact Retention (Size 150/4) 90 N Shell Plating	Number of contacts	4 contacts size 4, 5 contacts size 16
Contacts installed not assembled, packed separately Shielding yes Contact Rating at +20 °C (68 °F) 22 A (Size 15/15S/16/16S) 135 A Contact Rating at +20 °C (68 °F) 135 A (Size 160/4) 135 A Contact Resistance 6 mΩ Contact Resistance (Size 160/4) 0,5 mΩ Operating Voltage In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60384-4-41. Insulator Resistance Acc. To VG95319, part 2, test not. 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 160/4) 4,0 N Sep. Force per Contact (Size 160/4) 4,0 N Gage For infos on Gage please see catalog VC95234, part 1 Coupling Torque Closing: 17 Nm max / Opening: 0,92 Nm min	Contact Type	AWG Crimp
Shielding	Contact Plating	Hard silver
Contact Rating at +20 °C (68 °F) 22 A (Size 15/155/16/16S) 135 A Contact Rating at +20 °C (68 °F) 135 A (Size 160/4) 6 mΩ Contact Resistance (Size 160/4) 0,5 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 VG95519, 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 (-67/25°/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 160/4) 4,0 N Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Closing: 17 Nm max / Opening: 0,92 Nm min Contact Retention (Size 160/4) 35 N Shell Plating Olive drab chromate coating over cadmium plating Insulator and Gromet Material Neoprene Contact Material Copper alloy	Contacts installed	not assembled, packed separately
(Size 15/155/16/16S) 22 Λ Contact Rating at +20 °C (68 °F) (Size 160/4) 135 A (Size 15/15S/16/16S) 6 mΩ Contact Resistance (Size 160/4) 0,5 mΩ 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 160/4) 1,0 N Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Closing: 17 Nm max / Opening: 0,92 Nm min Contact Retention (Size 160/4) 90 N Shell Plating Olive drab chromate coating over cadmium plating Insulator and Gromet Material Neoprene Contact Material Neoprene Contact Material Neoprene Contact Material <td>Shielding</td> <td>yes</td>	Shielding	yes
Contact Resistance Size 160/4 O.5 mΩ		22 A
Contact Resistance (Size 160/4) 0,5 mΩ In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60364-4-41.		135 A
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 VG95219, part 2, test no. 5.12 and VG95210, part 32, test conditions B, standard insulator material > 1000 MΩ Test Voltage Air and Creepage Paths (Min) 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 15/15\$/16/16S) Sep. Force per Contact (Size 15/15\$/16/16S) Sep. Force per Contact (Size 160/4) Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Coupling Torque Contact Retention (Size 160/4) Shell Material Aluminium alloy Shell Plating Insulator and Gromet Material Contact Retention Contact Retention (Size 15/15S/16/16S) See assembly instruction Wire Stripping Gizze 15/15S/16/16S) 6,2 mm		6 mΩ
Operating Voltage 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 15/158/16/16S) 1,0 N Sep. Force per Contact (Size 160/4) 4,0 N Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Closing: 17 Nm max / Opening: 0,92 Nm min Contact Retention (Size 15/15S/16/16S) 35 N Contact Retention (Size 160/4) 90 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: Insulator Diameter See assembly instruction Wire Stripping (Size 15/15S/16/16S) 6,2 mm	Contact Resistance (Size 160/4)	0,5 mΩ
Insulator Resistance 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 160/4) 1,0 N Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Closing: 17 Nm max / Opening: 0,92 Nm min Contact Retention (Size 160/4) 35 N Contact Retention (Size 160/4) 90 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 Wire Stripping (Size 15/15S/16/16S) 6,2 mm	Operating Voltage	must be used in accordance with DIN VDE part 410,
Air and Creepage Paths (Min) 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) Sep. Force per Contact (Size 160/4) Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Closing: 17 Nm max / Opening: 0,92 Nm min Contact Retention (Size 15/15S/16/16S) Contact Retention (Size 160/4) Shell Material Shell Plating Insulator and Gromet Material Copper alloy Harnessing Info: Contact Cross-Section Harnessing Info: Insulator Diameter See assembly instruction Wire Stripping (Size 15/15S/16/16S) 6,2 mm	Insulator Resistance	and VG95210, part 32, test conditions B,
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) Sep. Force per Contact (Size 160/4) Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Closing: 17 Nm max / Opening: 0,92 Nm min Contact Retention (Size 15/15S/16/16S) Contact Retention (Size 160/4) Shell Material Aluminium alloy Shell Plating Insulator and Gromet Material Contact Material Copper alloy Harnessing Info: Contact Cross-Section Harnessing Info: Insulator Diameter See assembly instruction Wire Stripping (Size 15/15S/16/16S) 6,2 mm	Test Voltage	1600 Vrms
Safety Provisions Salt Spray Resistance Mating Cycles Sep. Force per Contact (Size 15/15S/16/16S) Sep. Force per Contact (Size 160/4) Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Contact Retention (Size 15/15S/16/16S) Contact Retention (Size 15/15S/16/16S) Shell Material Shell Plating Insulator and Gromet Material Contact Material Harnessing Info: Contact Cross-Section Wire Stripping (Size 15/15S/16/16S) IP65 acc. to DIN 40 050 500 hours salt spray resistant 500 hours salt spray resistant 1,0 N 4,0 N For infos on Gage please see catalog VG95234, part 1 Closing: 17 Nm max / Opening: 0,92 Nm min 35 N Contact Retention (Size 160/4) 90 N Shell Material Aluminium alloy Olive drab chromate coating over cadmium plating Insulator and Gromet Material Copper alloy See assembly instruction Wire Stripping (Size 15/15S/16/16S) 6,2 mm	Air and Creepage Paths (Min)	1,1 mm
Salt Spray Resistance Mating Cycles Sep. Force per Contact (Size 15/15S/16/16S) Sep. Force per Contact (Size 160/4) Gage Coupling Torque Coupling Torque Contact Retention (Size 15/15S/16/16S) Contact Retention (Size 160/4) Shell Material Shell Plating Insulator and Gromet Material Contact Material Harnessing Info: Contact Cross-Section Size 15/15S/16/16S) Son hours salt spray resistant 500 min 1,0 N 4,0 N For infos on Gage please see catalog VG95234, part 1 Closing: 17 Nm max / Opening: 0,92 Nm min 35 N Contact Retention (Size 160/4) 90 N Shell Material Aluminium alloy Olive drab chromate coating over cadmium plating Insulator and Gromet Material Copper alloy Harnessing Info: Contact Cross-Section See assembly instruction Wire Stripping (Size 15/15S/16/16S) 6,2 mm	Ambient Temperature	
Mating Cycles Sep. Force per Contact (Size 15/15S/16/16S) Sep. Force per Contact (Size 160/4) Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Closing: 17 Nm max / Opening: 0,92 Nm min Contact Retention (Size 15/15S/16/16S) Contact Retention (Size 160/4) Shell Material Aluminium alloy Shell Plating Insulator and Gromet Material Contact Material Contact Material Copper alloy Harnessing Info: Contact Cross-Section Wire Stripping (Size 15/15S/16/16S) 500 min 1,0 N 4,0 N For infos on Gage please see catalog VG95234, part 1 Closing: 17 Nm max / Opening: 0,92 Nm min 35 N Closing: 17 Nm max / Opening: 0,92 Nm min Olive drab chromate coating over cadmium plating Neoprene Contact Material Copper alloy See assembly instruction See assembly instruction Wire Stripping (Size 15/15S/16/16S)	Safety Provisions	IP65 acc. to DIN 40 050
Sep. Force per Contact (Size 15/15S/16/16S) Sep. Force per Contact (Size 160/4) Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Closing: 17 Nm max / Opening: 0,92 Nm min Contact Retention (Size 15/15S/16/16S) Contact Retention (Size 160/4) Shell Material Shell Plating Insulator and Gromet Material Contact Material Copper alloy Harnessing Info: Contact Cross-Section See assembly instruction Wire Stripping (Size 15/15S/16/16S) 6,2 mm	Salt Spray Resistance	500 hours salt spray resistant
(Size 15/15S/16/16S) Sep. Force per Contact (Size 160/4) Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Colosing: 17 Nm max / Opening: 0,92 Nm min Size 15/15S/16/16S) Contact Retention (Size 160/4) Shell Material Shell Plating Insulator and Gromet Material Contact Material Contact Material Contact Material Copper alloy Harnessing Info: Contact Cross-Section Wire Stripping (Size 15/15S/16/16S) 1,0 N 4,0 N For infos on Gage please see catalog VG95234, part 1 Closing: 17 Nm max / Opening: 0,92 Nm min 35 N Closing: 17 Nm max / Opening: 0,92 Nm min Aluminium alloy Olive drab chromate coating over cadmium plating Neoprene Copper alloy See assembly instruction Wire Stripping (Size 15/15S/16/16S) 6,2 mm	Mating Cycles	500 min
Gage For infos on Gage please see catalog VG95234, part 1 Coupling Torque Closing: 17 Nm max / Opening: 0,92 Nm min 35 N Contact Retention (Size 15/15S/16/16S) Contact Retention (Size 160/4) Shell Material Aluminium alloy Shell Plating Olive drab chromate coating over cadmium plating Insulator and Gromet Material Copper alloy Harnessing Info: Contact Cross-Section Harnessing Info: Insulator Diameter See assembly instruction Wire Stripping (Size 15/15S/16/16S) 6,2 mm		1,0 N
Coupling Torque Coupling Torque Contact Retention (Size 15/15S/16/16S) Contact Retention (Size 160/4) Shell Material Shell Plating Insulator and Gromet Material Contact Material Copper alloy Harnessing Info: Contact Cross-Section Wire Stripping (Size 15/15S/16/16S) 6,2 mm	Sep. Force per Contact (Size 160/4)	4,0 N
Contact Retention (Size 15/15S/16/16S) Contact Retention (Size 160/4) Shell Material Shell Plating Insulator and Gromet Material Contact Material Contact Material Harnessing Info: Contact Cross-Section Wire Stripping (Size 15/15S/16/16S) 35 N 90 N Aluminium alloy Olive drab chromate coating over cadmium plating Neoprene Copper alloy See assembly instruction See assembly instruction 6,2 mm	Gage	
(Size 15/15S/16/16S) Contact Retention (Size 160/4) Shell Material Shell Plating Insulator and Gromet Material Contact Material Contact Material Harnessing Info: Contact Cross-Section Harnessing Info: Insulator Diameter Wire Stripping (Size 15/15S/16/16S) 35 N 90 N Aluminium alloy Olive drab chromate coating over cadmium plating Neoprene Copper alloy See assembly instruction See assembly instruction 6,2 mm	Coupling Torque	Closing: 17 Nm max / Opening: 0,92 Nm min
Shell Material Aluminium alloy 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		35 N
Shell Plating Insulator and Gromet Material Contact Material Copper alloy Harnessing Info: Contact Cross-Section Harnessing Info: Insulator Diameter Wire Stripping (Size 15/15S/16/16S) Olive drab chromate coating over cadmium plating Neoprene Copper alloy See assembly instruction See assembly instruction 6,2 mm	Contact Retention (Size 160/4)	90 N
Insulator and Gromet Material Contact Material Copper alloy Harnessing Info: Contact Cross-Section Harnessing Info: Insulator Diameter See assembly instruction Wire Stripping (Size 15/15S/16/16S) 6,2 mm	Shell Material	Aluminium alloy
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	Shell Plating	Olive drab chromate coating over cadmium plating
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		Neoprene
Harnessing Info: Insulator Diameter See assembly instruction Wire Stripping (Size 15/15S/16/16S) 6,2 mm	Contact Material	Copper alloy
Wire Stripping (Size 15/15S/16/16S) 6,2 mm	Harnessing Info: Contact Cross-Section	See assembly instruction
(Size 15/15S/16/16S)	, , , , , , , , , , , , , , , , , , ,	See assembly instruction
		6,2 mm



Datasheet for part number CA3106E28A16S-15

Our Catalog Part Number: CA3106E28A16S-15		
Brand: Cannon Product Category: Circular Product Line: MIL-DTL 5015 Series I Series: MIL-C-5015		

Product Datasheet	
Wire Stripping (Size 160/4)	11,8 mm
General Info	All tests in accordance with VG95319 and/or if applicable with VG95210
SC_P_Code	CA