

Datasheet for part number CA3108R18-8P

Our Catalog Part Number: CA3108R18-8P

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

Thread Connector with threaded coupling Plug, 90° Plug, 90° Plug, 90° Plug, 90° Plug, 90° Plug Plug	Product Datasheet	
Shortened light-weight endbell without cable clamp Gender	Thread	Connector with threaded coupling
Gender Pin Shell Size 18 Contact Arrangement 18-8 Number of contacts 1 contact size 12, 7 contacts size 16 Contact Type Solder Cup Contact Plating Hard silver Contact Installed yes Shielding no Contact Rating at +20 °C (68 °F) 22 A (Size 15/15S/16/16S) 22 A Contact Rating at +20 °C (68 °F) 41 A (Size 25/12) 41 A Contact Resistance 6 mΩ 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 503.84 + 441. Insulator Resistance In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 503.84 + 441. 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 1800 Vms Air and Creepage Paths (Min) 1,1 mm Ambient Temperature Standard insulator material -55°/+125°C (c72.57°F) Safety Provisions IP65 ac	Shell Style	Plug, 90°
Shell Size	Endbell Style	Shortened light-weight endbell without cable clamp
Contact Arrangement 18-8	Gender	Pin
Number of contacts	Shell Size	18
Contact Type Solder Cup Contact Plating Hard silver Contacts Installed yes Shielding no Contact Rating at +20 °C (68 °F) 22 A (Size 15/15S/16/16S) 41 A Contact Resistance (Size 25/12) 41 A Contact Resistance (Size 25/12) 3 mΩ Derating 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 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 Saft 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: 8 Nm max / Opening: 0,58 Nm min Contact Retention (Size 25/12) 55 N Shell Plating	Contact Arrangement	18-8
Contact Plating Hard silver Contacts installed yes 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 Resistance (Size 25/12) 6 mΩ Contact Resistance (Size 25/12) 3 mΩ Contact Resistance (Size 25/12) 3 mΩ In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60384-4-41. In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60384-4-41. In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60384-4-41. In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60384-4-41. In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60384-4-41. In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60384-4-41. In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60384-4-41. In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60384-4-41. In case of voltages greater than 50V the connector must 410, IEC 60384-4-41. <td>Number of contacts</td> <td>1 contact size 12, 7 contacts size 16</td>	Number of contacts	1 contact size 12, 7 contacts size 16
Contacts installed yes 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 Resistance (Size 15/15S/16/16S) 6 mΩ Contact Resistance (Size 25/12) 3 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 hours salt spray resistant Sep. Force per Contact (Size 15/15S/16/16S) 1,0 N Sep. Force per Contact (Size 25/12) 1,5 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 15/15S/16/16S) 35 N Contact Retention (Size 25	Contact Type	Solder Cup
Shielding	Contact Plating	Hard silver
Contact Rating at +20 °C (68 °F) 22 A (Size 15/155/16/16S) 41 A Contact Rating at +20 °C (68 °F) 41 A (Size 25/12) 41 A Contact Resistance (Size 25/12) 3 mΩ Contact Resistance (Size 25/12) 3 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 VG95519, part 2, test no. 5.12 and VG95210, part 32, test conditions B, standard insulator material > 1000 MΩ Test Voltage 1600 Vms 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 25/12) 1,0 N Size 15/155/16/16S) 1,0 N Sep. Force per Contact (Size 25/12) 1,5 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 25/12) 55 N Shell Material	Contacts installed	yes
(Size 15/15S/16/16S) 22 A	Shielding	no
(Size 25/12) 41 A Contact Resistance (Size 25/12) 6 mΩ Contact Resistance (Size 25/12) 3 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 15/15S/16/16S) 1,0 N Sep. Force per Contact (Size 25/12) 1,5 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 25/12) 35 N Shell Material Aluminium alloy Shell Plating Olive drab chromate coating over cadmium plating Insulator and Gromet Material Copper alloy Contact Material Copper alloy		22 A
Size 15/15S/16/16S Contact Resistance (Size 25/12) 3 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 VG95210, part 2, test no. 5.12 and VG95210, part 32, test conditions B, standard insulator material > 1000 MΩ		41 A
In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60364-4-4. Insulator Resistance		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 15/15S/16/16S) 1,0 N Sep. Force per Contact (Size 25/12) 1,5 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 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: Insulator Diameter See assembly instruction Wire Stripping (Size 15/15S/16/16S) 6,2 mm	Contact Resistance (Size 25/12)	3 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 15/15S/16/16S) 1,0 N Sep. Force per Contact (Size 25/12) 1,5 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 15/15S/16/16S) 35 N 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 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 25/12) 1,5 N For infos on Gage please see catalog VG95234, part 1 Coupling Torque Closing: 8 Nm max / Opening: 0,58 Nm min Contact Retention (Size 15/15S/16/16S) Contact Retention (Size 25/12) 55 N Shell Material Aluminium alloy Shell Plating Insulator and Gromet Material Copper alloy Harnessing Info: Contact Cross-Section 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 25/12) 1,5 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 15/15S/16/16S) Contact Retention (Size 25/12) 55 N 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) 6,2 mm	Test Voltage	1600 Vrms
Ambient Temperature (-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 25/12) 1,5 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 15/15S/16/16S) 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) 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 25/12) 1,5 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 15/15S/16/16S) Shell Material Shell Plating Insulator and Gromet Material Contact Material 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 25/12) 1,5 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 15/15S/16/16S) Contact Retention (Size 25/12) Shell Material Aluminium alloy Shell Plating Insulator and Gromet Material Contact Material Contact Material Harnessing Info: Contact Cross-Section Wire Stripping (Size 15/15S/16/16S) 500 min 1,0 N 1,0 N 1,5 N For infos on Gage please see catalog VG95234, part 1 Closing: 8 Nm max / Opening: 0,58 Nm min 35 N Closing: 8 Nm max / Opening: 0,58 Nm min 35 N Contact Retention (Size 25/12) 55 N Shell Material Aluminium alloy Olive drab chromate coating over cadmium plating Neoprene Contact Material Copper alloy Harnessing Info: Contact Cross-Section See assembly instruction Wire Stripping (Size 15/15S/16/16S) 6,2 mm	Safety Provisions	IP65 acc. to DIN 40 050
Sep. Force per Contact (Size 15/15S/16/16S) Sep. Force per Contact (Size 25/12) 1,5 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 15/15S/16/16S) Contact Retention (Size 25/12) Shell Material Aluminium alloy 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 25/12) 1,5 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 15/15S/16/16S) Contact Retention (Size 25/12) Shell Material Aluminium alloy Shell Plating Insulator and Gromet Material Contact Material Contact Material Contact Material Copper alloy Harnessing Info: Contact Cross-Section 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: 8 Nm max / Opening: 0,58 Nm min 35 N Contact Retention (Size 15/15S/16/16S) Contact Retention (Size 25/12) Shell Material Aluminium alloy Shell Plating 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) For infos on Gage please see catalog VG95234, part 1 Closing: 8 Nm max / Opening: 0,58 Nm min 35 N Contact Retention (Size 25/12) 55 N Aluminium alloy Olive drab chromate coating over cadmium plating Neoprene Contact Material See assembly instruction See assembly instruction Wire Stripping (Size 15/15S/16/16S)		1,0 N
Coupling Torque Coupling Torque Contact Retention (Size 15/15S/16/16S) Contact Retention (Size 25/12) Shell Material Aluminium alloy 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	Sep. Force per Contact (Size 25/12)	1,5 N
Contact Retention (Size 15/15S/16/16S) Contact Retention (Size 25/12) Shell Material Aluminium alloy Olive drab chromate coating over cadmium plating Insulator and Gromet Material Contact Material Harnessing Info: Contact Cross-Section Harnessing Info: Insulator Diameter See assembly instruction Wire Stripping (Size 15/15S/16/16S) 35 N Aluminium alloy Olive drab chromate coating over cadmium plating Neoprene Copper alloy See assembly instruction See assembly instruction 6,2 mm	Gage	For infos on Gage please see catalog VG95234, part 1
(Size 15/15S/16/16S) Contact Retention (Size 25/12) Shell Material Aluminium alloy Olive drab chromate coating over cadmium 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	Coupling Torque	Closing: 8 Nm max / Opening: 0,58 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 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 25/12)	55 N
Insulator and Gromet Material 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 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	Insulator and Gromet Material	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) 6,2 IIIII		See assembly instruction
		6,2 mm



Datasheet for part number CA3108R18-8P

Our Catalog Part Number: CA3108R18-8P		
Brand: Cannon	Product Category: Circular Product Line: MIL-DTL 5015 Series I Series: MIL-C-5015	

Product Datasheet	
Wire Stripping (Size 25/12)	6,2 mm
General Info	All tests in accordance with VG95319 and/or if applicable with VG95210