

## Datasheet for part number CA3106E24-20S

Our Catalog Part Number: CA3106E24-20S

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

Thread       Connector with threaded coupling         Shell Style       Plug, straight         Endbell with clamp and bushing       Endbell with clamp and bushing         Gender       Socket         Shell Size       24         Contact Arrangement       24-20         Number of contacts       2 contacts size 12, 9 contacts size 16         Contact Type       Solder Cup         Contact Plating       Hard silver         Contact Plating       No         Contacts installed       yes         Shielding       No         Contact Rating at +20 °C (68 °F)       22 A         (Size 15/15S/16/16S)       22 A         Contact Rasistance (Size 25/12)       41 A         Contact Resistance (Size 415/16S)       6 mΩ         Contact Resistance (Size 25/12)       3 mΩ         In case of voltages greater than 50V the connec must be used in accordance with DIN VDE part IEC 60364-4-41.         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	
Endbell Style         Endbell with clamp and bushing           Gender         Socket           Shell Size         24           Contact Arrangement         24-20           Number of contacts         2 contacts size 12, 9 contacts size 16           Contact Type         Solder Cup           Contact Plating         Hard silver           Contact Plating         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           Contact Resistance         6 mΩ           Contact Resistance (Size 25/12)         3 mΩ           In case of voltages greater than 50V the connec must be used in accordance with DIN VDE part IEC 60/364-4-41.         Acc. To V695319, part 2, test no. 5.12 and VG95210, part 32, test conditions B, standard insulator Resistance           Insulator Resistance         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	
Gender         Socket           Shell Size         24           Contact Arrangement         24-20           Number of contacts         2 contacts size 12, 9 contacts size 16           Contact Type         Solder Cup           Contact Plating         Hard silver           Contact Plating         Hard silver           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 (Size 25/12)         3 mΩ           Contact Resistance (Size 25/12)         3 mΩ           In case of voltages greater than 50V the connect must be used in accordance with DIN VDE part IEC 60364-4-41.           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	
Shell Size         24           Contact Arrangement         24-20           Number of contacts         2 contacts size 12, 9 contacts size 16           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)         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           In case of voltages greater than 50V the connect must be used in accordance with DIN VDE part IEC 60364-4-4.1         IEC 60364-4-4.1           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 hours salt spray resistant           Sep. F	
Contact Arrangement         24-20           Number of contacts         2 contacts size 12, 9 contacts size 16           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)         22 A           Contact Resistance (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 connect must be used in accordance with DIN VDE part 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	
Number of contacts   2 contacts size 12, 9 contacts size 16	
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 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 connecting the used in accordance with DIN VDE part 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	
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 25/16/16S)         6 mΩ           Contact Resistance (Size 25/12)         3 mΩ           In case of voltages greater than 50V the connectmust be used in accordance with DIN VDE part IEC 60:364-4-41.         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	
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 connect must be used in accordance with DIN VDE part IEC 60364-4-41.         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	
Shielding	
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         Operating Voltage       In case of voltages greater than 50V the connect must be used in accordance with DIN VDE part 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	
(Size 15/15S/16/16S)   22 A	
(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 connect must be used in accordance with DIN VDE part 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	
(Size 15/15S/16/16S)       6 mΩ         Contact Resistance (Size 25/12)       3 mΩ         In case of voltages greater than 50V the connect must be used in accordance with DIN VDE part 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	
$\begin{array}{c} \text{In case of voltages greater than 50V the connect must be used in accordance with DIN VDE part IEC 60364-4-41.} \\ \text{Insulator Resistance} & \text{Acc. To VG95319, part 2, test no. 5.12} \\ \text{and VG95210, part 32, test conditions B, standard insulator material > 1000 M}{\Omega} \\ \text{Test Voltage} & \text{2500 Vrms} \\ \text{Air and Creepage Paths (Min)} & \text{2,8 mm} \\ \text{Ambient Temperature} & \text{Standard insulator material -55°/+125°C} \\ \text{Safety Provisions} & \text{IP65 acc. to DIN 40 050} \\ \text{Salt Spray Resistance} & \text{500 hours salt spray resistant} \\ \text{Mating Cycles} & \text{500 min} \\ \text{Sep. Force per Contact (Size 15/15S/16/16S)} & \text{1,0 N} \\ \end{array}$	
Operating Voltage       must be used in accordance with DIN VDE part 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	
Insulator Resistance       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	tor 410,
Air and Creepage Paths (Min)  2,8 mm  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	
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	
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)         1,0 N	
Salt Spray Resistance 500 hours salt spray resistant Mating Cycles 500 min  Sep. Force per Contact (Size 15/15S/16/16S) 1,0 N	
Mating Cycles 500 min  Sep. Force per Contact (Size 15/15S/16/16S) 1,0 N	
Sep. Force per Contact (Size 15/15S/16/16S) 1,0 N	
(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: 14 Nm max / Opening: 0,8 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 plati	ng
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) Specifications and dimensions subject to change.  6,2 mm	



## Datasheet for part number CA3106E24-20S

	Our Catalog Part Number: CA3106E24-20S	
Ī	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
	All tests in accordance with VG95319 and/or if applicable with VG95210