



Datasheet for part number MS3101F18-10SX

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| Our Catalog Part Number: MS3101F18-10SX   |
| Brand: Cannon Product Category: Circular Product Line: MIL-DTL 5015 Series I Series: MIL-C-5015 |

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| Product Datasheet                                |   |
| Thread   | Connector with threaded coupling  |
| Shell Style                                      | Cable connecting plug   |
| Endbell Style                                    | Endbell with clamp and bushing  |
| Gender   | Socket  |
| Shell Size                                       | 18  |
| Contact Arrangement                              | 18-10   |
| Number of contacts                               | 4 contacts size 12  |
| Contact Type                                     | Solder Cup  |
| Contact Plating                                  | Hard silver   |
| Contacts installed                               | yes   |
| Shielding  | no  |
| Insulator Rotation                               | 120°  |
| Contact Rating at +20 °C (68 °F)<br>(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: 8 Nm max / Opening: 0,58 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           | <a href="#">See assembly instruction</a>  |
| Harnessing Info: Insulator Diameter              | <a href="#">See assembly instruction</a>  |
| Wire Stripping (Size 25/12)                      | 6,2 mm  |
| General Info                                     | <i>All tests in accordance with VG95319 and/or if applicable with VG95210</i>   |