



## **Excellent Integrated System Limited**

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[ITT Cannon, LLC](#)  
[MS3100F24-7SW](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



Datasheet for part number MS3100F24-7SW

|   |
|---|
| Our Catalog Part Number: MS3100F247SW   |
| 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  | Wall mounting receptacle  |
| Endbell Style  | Endbell with clamp and bushing  |
| Gender   | Socket  |
| Shell Size   | 24  |
| Contact Arrangement                                      | 24-7  |
| Number of contacts                                       | 2 contacts size 12, 14 contacts size 16   |
| Contact Type   | Solder Cup  |
| Contact Plating  | Hard silver   |
| Contacts installed                                       | yes   |
| Shielding  | no  |
| Insulator Rotation                                       | 80°   |
| Contact Rating at +20 °C (68 °F)<br>(Size 15/15S/16/16S) | 22 A  |
| Contact Rating at +20 °C (68 °F)<br>(Size 25/12)         | 41 A  |
| Contact Resistance<br>(Size 15/15S/16/16S)               | 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 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<br>(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: 14 Nm max / Opening: 0,8 Nm min  |
| Contact Retention<br>(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                   | <a href="#">See assembly instruction</a>  |
| Harnessing Info: Insulator Diameter                      | <a href="#">See assembly instruction</a>  |



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| Product Datasheet                   |   |
| Wire Stripping (Size 15/15S/16/16S) | 6,2 mm  |
| Wire Stripping (Size 25/12)         | 6,2 mm  |
| General Info                        | <i>All tests in accordance with VG95319 and/or if applicable with VG95210</i> |