



## Datasheet for part number MS3116F14-12SW

|                                        |                                                                                                |
|----------------------------------------|------------------------------------------------------------------------------------------------|
| Our Catalog Part Number: MS3116F1412SW |                                                                                                |
| Brand: Cannon                          | Product Category: Circular Product Line: MIL-DTL 26482 Series I & Mil Battery Series: KPT / SE |

| Product Datasheet                      |                                                                                                                      |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Shell Style                            | Straight plug                                                                                                        |
| Endbell Style                          | Grommet seal with strain relief                                                                                      |
| Gender                                 | Socket                                                                                                               |
| Shell Size                             | 14                                                                                                                   |
| Contact Arrangement                    | 14-12                                                                                                                |
| Number of contacts                     | 8 contacts size 20, 4 contacts size 16                                                                               |
| Contact Type                           | Solder Cup                                                                                                           |
| Contact Plating                        | Copper alloy, gold plated                                                                                            |
| Insulator Rotation                     | 43°                                                                                                                  |
| Shell Material                         | Aluminium alloy                                                                                                      |
| Shell Plating                          | Olive drab chromate over cadmium plating                                                                             |
| Insulator and Gromet Material          | Polychloroprene                                                                                                      |
| Contact Material                       | Copper alloy, gold plated                                                                                            |
| Water Tightness                        | Acc. To VG95319 Part 2, Test No. 5.9.2                                                                               |
| Operating Temperature                  | -55°/+125°C<br>(-67/257°F)                                                                                           |
| Mating Cycles                          | 500 min                                                                                                              |
| Vibration                              | 200 m/s <sup>2</sup> at 10 to 2000 Hz                                                                                |
| Contact Rating AWG20                   | 7,5 A                                                                                                                |
| Contact Rating AWG16                   | 13,0 A                                                                                                               |
| Insulator Resistance                   | ≈5000 MOhm                                                                                                           |
| Test Voltage                           | 1500 Vrms                                                                                                            |
| 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. |
| Safety Provisions                      | IP67 acc. to DIN 40 050<br>(0,2 bar pressure over 48 hrs)                                                            |
| General Info                           | <i>All tests in accordance with VG95319 and/or if applicable with VG95210</i>                                        |
| Harnessing Info: Contact Cross-Section | <a href="#">See assembly instruction</a>                                                                             |
| Harnessing Info: Insulator Diameter    | <a href="#">See assembly instruction</a>                                                                             |