



Datasheet for part number MS3116F20-16S

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| Our Catalog Part Number: MS3116F20-16S   |
| Brand: Cannon Product Category: Circular Product Line: 26482 - Style Series I & Mil Battery Series: KPT / SE |

| Product Datasheet                      |  |
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| Shell Style                            | Straight plug  |
| Endbell Style                          | Grommet seal with strain relief  |
| Gender                                 | Socket   |
| Shell Size                             | 20   |
| Contact Arrangement                    | 20-16  |
| Number of contacts                     | 16 contacts size 16  |
| Contact Type                           | Solder Cup   |
| Contact Plating                        | Size 12 & 16: gold plated<br>Size 20: Contact body: tin / Contact area: gold plated                                  |
| Shell Material                         | Aluminium alloy  |
| Shell Plating                          | Olive drab chromate over cadmium plating   |
| Insulator and Gromet Material          | Polychloroprene  |
| Contact Material                       | Copper alloy   |
| 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 AWG16                   | 13,0 A   |
| Insulator Resistance                   | ≈5000 MOhm   |
| Test Voltage                           | 2300 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)  |
| Salt Spray Resistance                  | 500 hours salt spray resistant   |
| 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>   |