



## Datasheet for part number MS3100F20-15P

|                                       |                                                                                   |
|---------------------------------------|-----------------------------------------------------------------------------------|
| Our Catalog Part Number: MS3100F2015P |                                                                                   |
| Brand: Cannon                         | Product Category: Circular Product Line: MIL-DTL 5015 Series I Series: MIL-C-5015 |

| Product Datasheet                                |                                                                                                                       |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Thread                                           | Connector with threaded coupling                                                                                      |
| Shell Style                                      | Wall mounting receptacle                                                                                              |
| Endbell Style                                    | Endbell with clamp and bushing                                                                                        |
| Gender                                           | Pin                                                                                                                   |
| Shell Size                                       | 20                                                                                                                    |
| Contact Arrangement                              | 20-15                                                                                                                 |
| Number of contacts                               | 7 contacts size 12                                                                                                    |
| Contact Type                                     | Solder Cup                                                                                                            |
| Contact Plating                                  | Hard silver                                                                                                           |
| Contacts installed                               | yes                                                                                                                   |
| Shielding                                        | no                                                                                                                    |
| 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: 9 Nm max / Opening: 0,7 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>                                         |

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Circular MIL Spec Connector](#) category:*

*Click to view products by [ITT](#) manufacturer:*

Other Similar products are found below :

[89075GULPR](#) [0025-262-542](#) [0025-264-3014](#) [58-570121-04S](#) [0134-213-1208](#) [0134-213-2209](#) [0025-258-000](#) [60-042022-07P](#) [60-042022-19P](#)  
[60-042022-23P](#) [60-042217-10P](#) [0114-201-1278](#) [012-0467-000](#) [602GB06EG24-61SN](#) [0134-201-1207](#) [0134-213-1006](#) [6104-207-2302](#) [6104-](#)  
[208-1902](#) [61-168211-04P](#) [61-168617-10P](#) [6131-202-19149P](#) [6131-204-21149P](#) [6131-208-13149P](#) [6131-209-17149P](#) [6131-210-11149P](#) [6131-](#)  
[211-19149P](#) [6131-216-19149P](#) [6131-259-21149P](#) [6131-259-23149P](#) [6131-265-17149P](#) [6131-265-19149P](#) [CS3100A18-1P-472](#) [CS3100A-36-](#)  
[77P](#) [CS3101A-16-55P](#) [CS3102A-10SL-55P](#) [CS3102A-14S-58P](#) [CS3102A-32-17P](#) [CS3102A32-25S](#) [CS3102C18-4P-472](#)  
[CS3106A10SL3S004](#) [CS3106A-18-73S](#) [CS3108A-14S-52S](#) [CS3108A-28-51S](#) [6162-233-1277](#) [6162-324-1231](#) [M243082296Z](#)  
[M2884010AC1S1](#) [CT0-24-10SC](#) [CT0M20-7PCAU](#) [M28840/17AC1G3](#)