



Datasheet for part number MS3100R20-19PX

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| Our Catalog Part Number: MS3100R20-19PX   |
| 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                                       | Shortened light-weight endbell without cable clamp  |
| Gender  | Pin   |
| Shell Size  | 20  |
| Contact Arrangement                                 | 20-19   |
| Number of contacts                                  | 3 contacts size 8   |
| Contact Type  | Solder Cup  |
| Contact Plating                                     | Hard silver   |
| Contacts installed                                  | yes   |
| Shielding   | no  |
| Insulator Rotation                                  | 180°  |
| Contact Rating at +20 °C (68 °F)<br>(Size 60/100/8) | 74 A  |
| Contact Resistance (Size 60/100/8)                  | 1 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 60/100/8)              | 3,0 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 60/100/8)                   | 80 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 60/100/8)                      | 11,8 mm   |
| General Info  | <i>All tests in accordance with VG95319 and/or if applicable with VG95210</i>   |