



Datasheet for part number CIR08R-20-3S-F80

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|-----------------------------------------------------------------------------------------------|
| Our Catalog Part Number: CIR08R-20-3S-F80                                                     |
| Brand: VEAM Product Category: Circular Product Line: Veam CIR, VBN, Other Series: CIR / FRCIR |

|                                                       |                                                                                                                                                                                                          |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Datasheet                                     |                                                                                                                                                                                                          |
| SERIES                                                | Connector with Bayonet Coupling                                                                                                                                                                          |
| Shell Style                                           | 90 Degree Plug Connector                                                                                                                                                                                 |
| Environmental Class                                   | Backshell includes wire sealing grommet and compression ring                                                                                                                                             |
| Shell Size                                            | 20                                                                                                                                                                                                       |
| Contact Arrangement                                   | 20-3                                                                                                                                                                                                     |
| Total Number of contacts                              | 3 contacts                                                                                                                                                                                               |
| Number of Contacts Size 12                            | 3 contacts size 12                                                                                                                                                                                       |
| Gender                                                | Socket                                                                                                                                                                                                   |
| Contact Type                                          | Crimp for AWG wire (used in F80 insert)                                                                                                                                                                  |
| Contact Plating                                       | Silver                                                                                                                                                                                                   |
| Shell Material                                        | Aluminium alloy                                                                                                                                                                                          |
| Shell Plating                                         | Olive drab chromate over cadmium plating (conductive)                                                                                                                                                    |
| Wire Size Cross Section for Contacts Size 12          | 3 mm <sup>2</sup> or AWG 12                                                                                                                                                                              |
| Contact Rating for Contacts Size 12                   | Maximum Current = 41 A<br>Rated and Test Current = 23 A<br>Potential Drop max. 63 mV                                                                                                                     |
| Shock Resistance                                      | Waterproof to 10 meters (33 ft)<br>12 h (14.7 PSI)                                                                                                                                                       |
| Coupling                                              | 2000 couplings minimum                                                                                                                                                                                   |
| Service Rating Letter                                 | D                                                                                                                                                                                                        |
| Operating Voltage DC                                  | 1250 V                                                                                                                                                                                                   |
| Operating Voltage AC                                  | 900 V                                                                                                                                                                                                    |
| Dielectric strength -<br>Minimum Flashover AC RMS     | 3600 V                                                                                                                                                                                                   |
| Dielectric strength -<br>Test Voltage AC RMS (Hi Pot) | 2800 V                                                                                                                                                                                                   |
| Note                                                  | Voltages in excess of 30 V ac or 42.5 V dc are potentially hazardous and care should be taken to ensure that such voltages can't be transmitted in any way to exposed metal parts of the connector body. |
| General                                               | Veam CIR series Connectors are produced in accordance with NATO Standard VG95234, which is based on MIL-C-5015 for physical size, layout and environment requirements.                                   |