



Datasheet for part number FRCIRG08R20-27SF80T12

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| Our Catalog Part Number: FRCIRG08R-20-27S-F80-T12   |
| Brand: VEAM Product Category: Circular Product Line: Veam CIR, VBN, Other Series: CIR / FRCIR |

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| 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                                   | 20-27  |
| Total Number of contacts                              | 14 contacts  |
| Number of Contacts Size 16                            | 14 contacts size 16  |
| Gender  | Socket   |
| Contact Type  | Crimp for AWG wire (used in F80 insert)  |
| Contact Plating                                       | Gold   |
| Shell Material  | Aluminium alloy  |
| Shell Plating   | Olive drab chromate over cadmium plating (conductive)  |
| Wire Size Cross Section for Contacts Size 8           | 9 mm <sup>2</sup> or AWG 8   |
| Wire Size Cross Section for Contacts Size 16          | 1,0-1,5 mm <sup>2</sup> or AWG 18-16   |
| Contact Rating for Contacts Size 8                    | Maximum Current = 73 A<br>Rated and Test Current = 46 A<br>Potential Drop max. 65 mV   |
| Contact Rating for Contacts Size 16                   | Maximum Current = 22 A<br>Rated and Test Current = 13 A<br>Potential Drop max. 74 mV   |
| Shock Resistance                                      | Waterproof to 10 meteres (33 ft)<br>12 h (14.7 PSI)  |
| Coupling  | 2000 couplings minimum   |
| Service Rating Letter                                 | A  |
| Operating Voltage DC                                  | 700 V  |
| Operating Voltage AC                                  | 500 V  |
| Dielectric strength -<br>Minimum Flashover AC RMS     | 2800 V   |
| Dielectric strength -<br>Test Voltage AC RMS (Hi Pot) | 2000 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.                                   |