

# Datasheet for part number CIR00R-20-27PX-F80-T12

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|-----------------------------------------------------------------------------------------------|
| Our Catalog Part Number: CIR00R-20-27PX-F80-T12                                               |
| Our Global Manufacturing Part Number: 000387070                                               |
| Brand: VEAM Product Category: Circular Product Line: Veam CIR, VBN, Other Series: CIR / FRCIR |

| Product Datasheet                                  |                                                                                                                                                                                                          |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SERIES                                             | Connector with Bayonet Coupling                                                                                                                                                                          |
| Shell Style                                        | Front Panel Mount Receptacle, with rear thread                                                                                                                                                           |
| Mounting                                           | Flange with through mounting hole                                                                                                                                                                        |
| 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                                                                                                                                                                                      |
| Insulator Rotation                                 | 110°                                                                                                                                                                                                     |
| Gender                                             | Pin                                                                                                                                                                                                      |
| Contact Type                                       | Crimp for AWG wire (used in F80 insert)                                                                                                                                                                  |
| Contact Plating                                    | Gold                                                                                                                                                                                                     |
| Contact Material                                   | Copper alloy                                                                                                                                                                                             |
| Shell Material                                     | Aluminium alloy                                                                                                                                                                                          |
| Shell Plating                                      | Chromate over Cadmium, olive drab, min. 500h salt spray resistance, conductive                                                                                                                           |
| Insulator Material                                 | Chloroprene rubber                                                                                                                                                                                       |
| Wire Size Cross Section for Contacts Size 16       | 1,0-1,5 mm² or AWG 18-16                                                                                                                                                                                 |
| 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 meters (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 - Minimum Flashover AC RMS     | 2800 V                                                                                                                                                                                                   |
| Dielectric strength - 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.                                   |