



Datasheet for part number CIRG06SB20-22PXF80T108

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|-----------------------------------------------------------------------------------------------|
| Our Catalog Part Number: CIRG06SB-20-22PX-F80-T108                                            |
| Brand: VEAM Product Category: Circular Product Line: Veam CIR, VBN, Other Series: CIR / FRCIR |

|                                                       |                                                                                                                                                                                                          |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Datasheet                                     |                                                                                                                                                                                                          |
| SERIES                                                | Connector with Bayonet Coupling                                                                                                                                                                          |
| Shell Style                                           | Straight Plug Connector                                                                                                                                                                                  |
| Environmental Class                                   | Backshell with the swivel coupling nut and adapter suitable for use with heat shrink tubing or boot. The shield is terminated and secured with the wire                                                  |
| Shell Size                                            | 20                                                                                                                                                                                                       |
| Contact Arrangement                                   | 20-22                                                                                                                                                                                                    |
| Total Number of contacts                              | 6 contacts                                                                                                                                                                                               |
| Number of Contacts Size 8                             | 3 contacts size 8                                                                                                                                                                                        |
| Number of Contacts Size 16                            | 3 contacts size 16                                                                                                                                                                                       |
| Insulator Rotation                                    | 110°                                                                                                                                                                                                     |
| Gender                                                | Pin                                                                                                                                                                                                      |
| Contact Type                                          | Crimp for AWG wire (used in F80 insert)                                                                                                                                                                  |
| Contact Plating                                       | Gold                                                                                                                                                                                                     |
| Shell Material                                        | Aluminium alloy                                                                                                                                                                                          |
| Shell Plating                                         | Zinc/Cobalt black trivalent passivation (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 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 -<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.                                   |