

# Datasheet for part number CIR030F-32-6P-F80

Our Catalog Part Number: CIR030F-32-6P-F80
Our Global Manufacturing Part Number: 000174680
Brand: VEAM Product Category: Circular Product Line: Veam CIR, VBN, Other Series: CIR / FRCIR

Product Datasheet	
SERIES	Connector with Bayonet Coupling
Shell Style	Rear Mount Receptacle - Square flange, with rear thread
Mounting	Flange with through mounting hole
Environmental Class	Backshell with A style clamp and bushing but includes wire sealing grommet and compression ring.
Shell Size	32
Contact Arrangement	32-6
Total Number of contacts	23 contacts
Number of Contacts Size 4	2 contacts size 4
Number of Contacts Size 8	3 contacts size 8
Number of Contacts Size 12	2 contacts size 12
Number of Contacts Size 16	16 contacts size 16
Gender	Pin
Contact Type	Crimp for AWG wire (used in F80 insert)
Contact Plating	Silver
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 4	22 mm <sup>2</sup> or AWG 4
Wire Size Cross Section for Contacts Size 8	9 mm <sup>2</sup> or AWG 8
Wire Size Cross Section for Contacts Size 12	3 mm <sup>2</sup> or AWG 12
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 4	Maximum Current = 135 A Rated and Test Current = 80 A Potential Drop max. 58 mV
Contact Rating for Contacts Size 8	Maximum Current = 73 A Rated and Test Current = 46 A Potential Drop max. 65 mV
Contact Rating for Contacts Size 12	Maximum Current = 41 A Rated and Test Current = 23 A Potential Drop max. 63 mV
Contact Rating for Contacts Size 16	Maximum Current = 22 A Rated and Test Current = 13 A Potential Drop max. 74 mV
Shock Resistance	Waterproof to 10 meters (33 ft) 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.

Specifications and dimensions subject to change.

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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.