Datasheet for part number VBN31819PNT39VO

Our Catalog Part Number: VBN31819PNT39VO
Our Global Manufacturing Part Number: 000943410
Brand: VEAM Product Category: Circular Product Line: Veam CIR, VBN, Other Series: VBN

Product Datasheet	
SERIES	VBN connector series is completely interchangeable with VG95234/CIR reverse bayonet connectors and conforms to the Mass Transit specification NF F 61-030.
Connector Type	Rear Mounting Receptacle
Environmental Class	no backshell
Shell Size	18
Contact Arrangement	18-19
Total Number of contacts	10 contacts size 16
Gender	Pin
Contact Type	Crimp contacts
Contact Material	Copper alloy
Shell Material	Aluminium alloy
Shell Plating	Epoxyurethanic varnish, black, 500h salt spray resistance, non conductive, RoHS and REACH compliant
Contacts included	no, delivery without contacts
Contact Resistance	2,5 mOhm max
Contact Current Rating	Maximum Current = 22 A Rated and Test Current = 15 A De-rated current 11,5 A
Contact Retention	70 N min.
Insulator Material	Thermoplastic, UL94-V0 meet NF F 16-101/16-102 standards
Insulator Retaining Ring	Copper alloy
Interfacial Seal & Grommet	Fire resistant silicone rubber
Insulator Resistance	≥5000 MOhm
Withstanding Voltage	3250 VAC RMS in mated condition
Operating Temperature	-40°C to +100°C per NF F 61-030
Flame Retardant Rating	UL94-V0 per NF F 16-101/16-102
Corrosion Resistance	96 hours per NF F 61-030 and VG95234
Water Protection	IP67 in a mated condition when used with wire sealing grommet
Fluid Resistance	Gas, oil, mineral oil, acid bath per NF F 61-030
Durability	≤ 500 mating cycles
Bayonet Coupling Torque	per VG 95234
Shock	Acceleration = 50 g Duration = 11 ms per NF F 61-030 (NF C 20-727, NF C 93-400)
Vibration	Acceleration = 2 g (NF F 60-002 / NF C 93-400) 20 g (VG95234) Sinususoidal vibration = 10 / ±100 Hz
Service Rating Letter	A
Operating Voltage DC	700 V
Operating Voltage AC	500 V
Dielectric strenght - Minimum Flashover AC RMS	2800 V
Dielectric strenght - 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 VBN Series is completely intermateable with VG95234/CIR reverse bayonet connectors.

Specifications and dimensions subject to change.

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