

SMB1 Miniature bayonet coupling Connectors (MIL-C-26482 Series 1 STYLE)

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General description

SMB1 series connectors offer high density contact arrangements in a miniature circular metal shell.

Interchangeability and reliability with other connectors conforming to this specification is assured.

SMB1 connectors are used in measurement equipment, telecommunications, sensors and machine tools.

They are also available with modification options such as solder or PCB contacts.

Housing material and plating

Aluminium alloy

Plating

Olive drab chromate coating over cadmium plating.

Bright nickel plating

Insert material and plating

High insulation synthetic rubber, oil and low temperatures resistant (-55°C to +125°C)

Contact material and plating

Copper alloy with gold plating over nickel.

Contact types

Solder or PCB.

IP class

Up to IP 68.

Contact lay-out

Over 40 lay-outs are available from 2 to 61 contacts.

The standard MIL-C-26482 lay-outs allow the mixing of contacts form 7.5A and 13A.

Accessories

Accessories like cable clamps, sleeves, caps and gaskets are available.

Electrical characteristics

# contacts	Max current	Rated voltage	Test voltage VAC RMS	Max contact resistance
2-61	7.5A to 13A	AC: 600V - 1,000V DC: 700V - 1,250V	AC RMS: 1,500V - 2,300V	6.0 mΩ to 0.2mΩ

Mechanical characteristics

°C	Wire size
-55°C to +125°C	AWG 0 - AWG 22 2.5 mm ² - 0.6 mm ²