

SBMP bayonet coupling connectors (VG95234 Style)

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General description

The SBMP Series connector derived from MIL-C-5015 connectors but used a positive, quick mating 3-point reverse bayonet lock coupling system. These connectors share the same shell dimensions and contact lay-out as MIL-C-5015 threaded connectors but the series are not inter-mateable. Completely sealed to withstand moisture, condensation, vibration and flash-over across a broad range of wire diameters. SBMP connectors are used in offroad vehicles, railroad equipment, and industrial robots.

Housing material and plating

Aluminium alloy
plating:

- olive drab chromate coating over cadmium plating
- 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 silver or gold plating.

Contact types

Crimp, Solder Type

IP class

No IP class available, because of the military standards, but an extensive range of accessories allows these connectors to operate in any environment.

Contact lay-out

Over 200 lay-outs are available from 1 to 150 contacts.

The standard MIL-C-5015 lay-outs allow the mixing of contacts 7.5A and 245A

Accessories

Available accessories include cable clamps, sleeves, caps and gaskets.

Electrical characteristics

Number of contacts	Current rating	Test voltage VAC	Insulation resistance
3 - 19	5A to 7.5A	AC r.m.s. : 500V	5000mΩ at 25°C

Mechanical characteristics

Temperature range	Durability	Wire size
-55°C to +125°C	1000 cycles	AWG 20 - AWG 24 0.52 mm ² - 0.2 mm ²