

Bleecon L1904A connectors

These multipole shielded connectors incorporating a push-pull locking system are designed to meet fully the requirements of both the equipment manufacturer and the equipment user. The design innovations incorporated make the Belling-Lee Bleecon connector one of the most versatile, reliable and attractive connectors available.

Available in 3, 4, 5, 6, 7 and 8 pole configurations. The mating face details meet DIN 45329 and IEC 130-9 specifications.

Moisture proof versions provide protection to IEC 68-2-17 Test QF 'Driving Rain' specification.

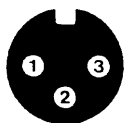
Electrical specification

Current rating:	2 A d.c. or a.c.r.m.s. (temperature rise $\leq 5^\circ\text{C}$)
Voltage rating:	All layouts withstand a test voltage of 1.5 kV a.c. r.m.s. for 1 minute without breakdown of failure.
Contact resistance:	5 milliohms maximum
Housing (shell) continuity:	10 milliohms maximum
Insulation resistance:	10^3 megohms minimum
Temperature range:	-25°C to $+70^\circ\text{C}$ (suitable for steam sterilisation)
Engaging force:	Not more than 7 N per pole
Separating force:	Not less than 1 N per pole
Cable retention (pull):	≥ 30 N for 100 seconds
Cable diameter:	7 mm diameter maximum

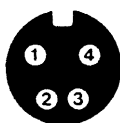
All plastic parts are made from non-flammable materials recognised by the US Underwriters Laboratory to category 94V-1.

Contact identification

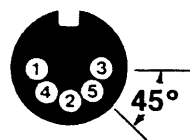
Viewed on plug mating face



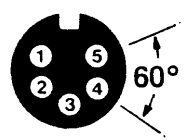
3 pole



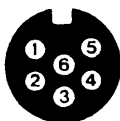
4 pole



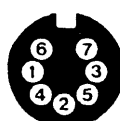
5 pole
45° contact spacing



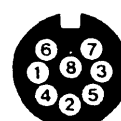
5A pole
60° contact spacing



6 pole

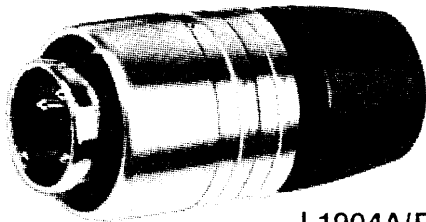


7 pole

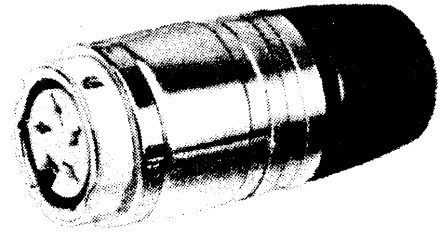


8 pole

Free plug and free socket



L1904A/FP



L1904A/FS

Materials

Body:	Zinc alloy, nickel-plated
Clamping nut:	Noryl
Plug insulator:	Polypropylene and glass filled nylon
Receptacle insulator:	Glass filled nylon
Contact material:	Brass, silver-plated
Contact termination:	Solder buckets or crimp* (plug only) For crimp version see page

* FP plugs may be crimped using Erma Buchanan Tool No. 612118 with Locator No. 600253.

KFP Plugs require separate contacts L2194 suitable for automatic crimping

Ordering reference:

Free plug: L1904A*/FP or KFP

*Number of poles

Free socket: L1904A*/FS

*Number of poles

Example: L1904A/5/FP is a Bleecon free plug with 5 poles 40° spacing.
L1904A/8/FS is a Bleecon free socket with 8 poles.

