



Pattern 102 Unitors

These Unitors were originally developed under a Government contract in which reliability was a paramount requirement, and they have Qualification Approval. The male contacts have a controlled degree of float to facilitate blind engagement, and the configuration is designed to obviate incorrect mating. The mouldings are track resistant, and clearance is provided between the mating faces for air to circulate and disperse any moisture deposited. All plug and socket contacts are numbered on the face and reverse side of the mouldings.

Contact identification Viewed on wiring side. L656/P

L653/P & S

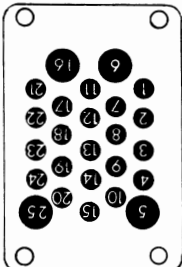
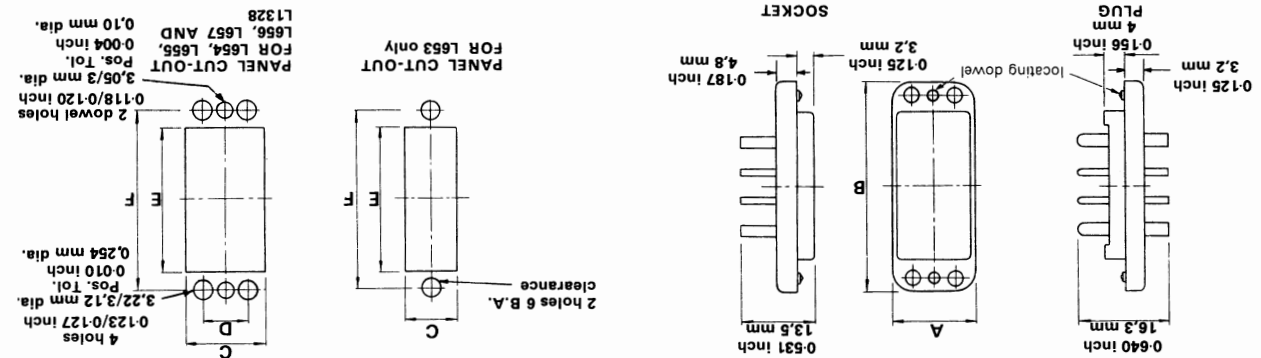
L654/P

L655/P

L656/P

L657/P

	4-Pole	8-Pole	12-Pole	18-Pole	25-Pole
	2 lge	2 lge	6 small	2 lge	10 small 2 lge
A	0.406 in	0.578 in	0.843 in	21.4 mm	1.187 in
B	1.437 in	1.484 in	1.50 in	38.1 mm	1.750 in
C	0.365 in	0.537 in	0.740 in	18.8 mm	1.077 in
D	—	0.312 in	0.500 in	12.7 mm	0.875 in
E	1.015 in	1.060 in	1.061 in	27 mm	1.265 in
F	1.250 in	1.296 in	1.296 in	32.9 mm	1.500 in



Specification
DEF-5321
Small poles, 3 A
Large poles, 10 A
(temperature rise < 20 °C)
At sea level 3 kV, at 20,000 m, 66,000 ft, 750 V
2 kV
3-1 mm, 0.12 in between poles, 4-2 mm, 0.17 in between any pole and chassis
2 m Ω (small poles)
1.2 m Ω (large poles)
> 100 M Ω

Breakdown (d.c.)
Voltage proof
Creepage distance
Contact resistance
(max.)
Insulation resistance

Current rating
DEF-5321
Small poles, 3 A
Large poles, 10 A
(temperature rise < 20 °C)
At sea level 3 kV, at 20,000 m, 66,000 ft, 750 V
2 kV
3-1 mm, 0.12 in between poles, 4-2 mm, 0.17 in between any pole and chassis
2 m Ω (small poles)
1.2 m Ω (large poles)
> 100 M Ω

Materials
Black nylon-filled phenolic resin mouldings, silver (Ag) or gold-plated (Au) solid brass pins and beryllium-copper sockets.

Capacitance
4 pF (between poles) at 800 Hz
Class H5 (DEF-5011)
-40 °C to +100 °C

Humidity
Insertion/withdrawal force
Wire sizes (max.)
4-4 N 1 lbf per contact
Small poles 0.04 in, 1 mm, 19 s.w.g.
Large poles 0.067 in, 1.7 mm, 16 s.w.g.
Black nylon-filled phenolic resin mouldings, silver (Ag) or gold-plated (Au) solid brass pins and beryllium-copper sockets.