

62GB UK Pattern 105 Circular Multipole Connectors

Amphenol Ltd.

High quality bayonet locking connectors which have been designed to meet the requirements of BS9522 FOO17, Def Stan 59-35 and MIL-C-26482E. The connector shells are machined from aluminium alloy bar to ensure high strength. A zinc cobalt plating provides a resilient, durable and long lasting finish which meets the requirements of the EC Directive for cadmium free products.

These solder termination connectors are all provided with normal orientation of the inserts and are suited to applications where robust high quality connectors are demanded.

This range offers standard signal pin and power pin type planforms. **Note: Cable-mounting plugs will only mate with chassis sockets.**

Cable-mounting sockets will only mate with chassis plugs.

technical specification

Electrical

Working voltage	700V d.c. or a.c. peak	
Voltage proof	2100V d.c. or a.c. peak	
Current rating	In isolation	Fully loaded connector
Signal contacts:		
size 16 contacts	13A	10A
size 20 contacts	7.5A	5A
Power contacts:		
size 8	45A	40A
size 12	23A	20A
Contact resistance	5mΩ max.	
Insulation resistance	5000MΩ	

Mechanical

Shell material	Aluminium alloy
Shell finish	Olive drab over zinc cobalt
Contact material	Gold plated copper alloy
Wire conductor size	
size 20 contacts	0.2mm ² to 0.5mm ²
size 16 contacts	0.2mm ² to 1.5mm ²
size 12 contacts	6mm ² max.
size 8 contacts	20mm ² max.
Temperature range	-55°C to 125°C
Environmental classification	55/125/56

Cable Mount - Power Connectors



ways	size	
cable plugs		
2-way	14	241-1200
2-way	18	241-1272
4-way	14	241-1250
5-way	14	241-1238
cable sockets		
2-way	14	241-1216
4-way	14	241-1266
5-way	14	241-1244

Shell size 14 contact arrangements provide 20A capability when fully loaded. Shell size 18 provides 40A when fully loaded. Spin coupling backshells for use with heatshrink boots or braid should be used with these power connectors.