

Technical Characteristics

Mechanical

Number of Contacts	34
Contact Pitch	0.60 mm staggered contact spacing
Mating/Unmating Force (34 contacts)	Mating force = 8.5 lbs max, unmating force = 7.0 lbs max
Mating Cycle Life (reusable side)	Up to 2,500
Storage/Processing Temperature Range (unmated)	-40°C to +135°C (100°C max for disposable receptacle)
Operating Temperature Range	-10°C to +65°C*
Sterilization (reusable side)	Steam autoclave, EtO, Sterrad® ¹ (20 cycles each)
Fingerproof (reusable side)	Meets the requirements of IEC 60601-1 (tested per ANSI/IEC 60529-2004)
IP Rating	IP 30 Meets the requirements of IEC 60601-1 (tested per ANSI/IEC 60529-2004)
RoHS	Compliant

*For optimal performance, the suggested operating temperature range is -10°C to +50°C

Electrical

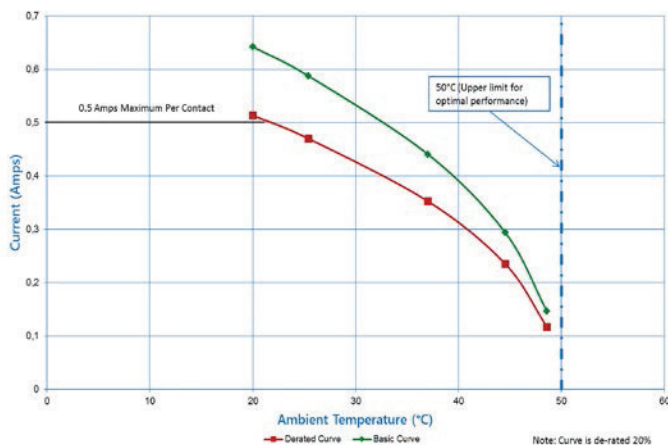
Current Rating (at room temperature ~25°C)	0.5 A per contact (2.0 A for a single contact)
Contact Resistance	< 40 mΩ per contact (average values, measured after testing - see test report for details)
Insulation Resistance	> 5000 MΩ @ 500 VDC
DWV (Dielectric Withstanding Voltage)	550 VDC

Material & Finishes

Contacts	BeCu, selective gold over nickel plating
Insulator	LCP (Liquid Crystal Polymer)
Connector Body	Plugs and reusable receptacle: Polyphenylsulfone (PPSU) Disposable receptacles: Polycarbonate (PC)

Derating Curves

Current-Carrying Capacity Curves - All Contacts Energized
Reusable Plug and Disposable Receptacle (Mated Pair)



Current-Carrying Capacity Curves - Single Contact Energized
Reusable Plug and Disposable Receptacle (Mated Pair)

