

Technical Specifications

(Complete test data available on page 16.)



MATERIALS & FINISHES

Body	Elastomeric material (PVC Nitrile standard. Also available in silicone & EPDM)
Contacts	Copper alloy
Plating	Tin standard; gold plating optional

ELECTRICAL DATA

Operating Voltage	400 Vac maximum
Dielectric Withstanding Voltage	1,200 Vac at sea level
Current rating	15 Amps (Sure-Seal®) 8 Amps (Mini Sure-Seal®) 85 Amps (Power Sure-Seal®)
Wire Range Sizes	14 - 18 AWG (Sure-Seal®) 18 - 20 AWG (Mini Sure-Seal®) 4 - 10 AWG (Power Sure-Seal®)
Contact Resistance	10 Milliohms maximum
Insulation Resistance	100 Megohms (minimum)

MECHANICAL

Operating Temperature	-40°F to +221°F (-40°C to +105°C)
Sealing	≈IP67, DIN 400 50, 3 foot depth in 5% salt solution 24 hours min. ≈ NEMA 6 p
Wire Sealing Range	See column 8 on contact chart, page 7. ➡
Insulation Strip Lengths	See column 7 on contact chart, page 6. ➡
Mating Life	50 cycles minimum
Salt Spray	To MIL-STD-202D Method 101D
Heat	+221°F (+105°C) for 1000 hours (See test data page 16.) ➡
Weather, Ozone, & Ultraviolet	In accordance with ASM D-1149 (100pphm) & ASTM D-1171 (outdoor exposure)
Vibration	5 to 55 Hz .06" DA 1 hour; radial & longitudinal axes
Shock	50g 11ms, 30 cycles; radial & longitudinal axes
Contact Type	Crimp: using hand or semi-automatic tooling
Number of Circuits	1 to 10
Contact Insertion	From rear with simple hand tool or simultaneous insertion of multiple contacts with semi-automatic insertion machine. Removable, 5 cycles minimum.
Contact Retention	7.5 lbs. (35N) minimum
Polarization	Stepped plane positive polarization, indexing ribs, and visual polarization all permanently molded into body.
Agency Listings	UL (E176866) & CSA (LR109871-1)
Color	Black (alternate colors optional)

