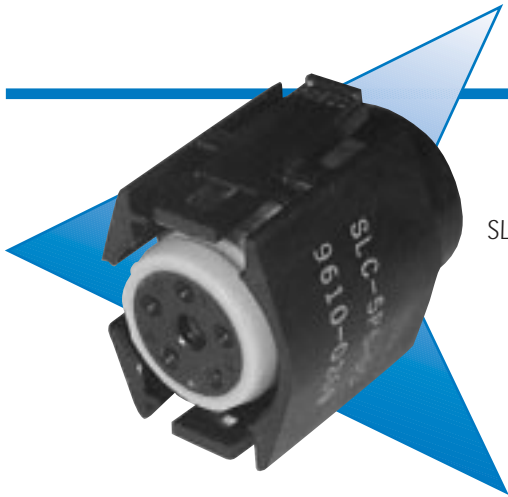


Slide Lock Connector



SLC Slide Lock Circular environmental connectors are designed to meet the most demanding requirements of under-the-hood applications. These connectors are very easy to assemble and maintain. Extremely user friendly, these connector feature an audible and tactile feedback and can be unmated simply by depressing the slide locks and pulling back on the connector body. The contacts will handle up to five amps continuous at fully rated temperature range -40°C to +125°C and can handle wire size from 20 AWG to 16 AWG.

Applications

- Engine Electronics
- Instrumentation
- Inline Connections
- Sensors

Features

High Quality Circular Connector
with silicone mating, interfacial and wire seals that prevent even the harshest of contaminants from entering the connectors.

Shared Tooling
SLC connectors use the same proven contact as SLE and CLC connectors and are assembled using the same crimping and low cost extraction tools.

Convertible Mounting
Simple snap-on mounting plates allow users to convert from inline connections to wall mounting, minimizing inventoried components.

Strong Connector Slide Locks
Slide locks are located at either side of the SLC connectors. These locks are molded right into the connector bodies and lock the connectors together when mated. To unmate just depress the slide locks simultaneously and pull the connectors apart.

Technical Specifications

MATERIALS & FINISHES

Shell	High performance thermoplastic body, silicone wire seals
Contacts	Copper alloy
Plating	Selective gold over nickel plating on mating surface, tin/lead over nickel plating on wire crimp area.

ELECTRICAL DATA

Dielectric Withstanding Voltage	1000 Vac rms at sea level
Current Rating	5 Amps continuous at 125°C
Wire Range Sizes	20-16 AWG
Contact Resistance	10 milliohms maximum
Insulation Resistance	20 megohms minimum (USCAR)

MECHANICAL

Operating Temperature	-40°C to 125°C (-40°F to 257°F)
Sealing	2-12 inches of 5% salt solution for 24 hours
Wire Sealing Range	.095"-.120" (2.42mm - 3.05mm)
Insulation Strip Length	.210" - .220" (5.33mm - 5.59mm)
Mating Life	25 cycles minimum
Salt Spray	5% solution 96 hours
Heat	125°C +/- 3° 1000 hours
Chemical Resistance	Resistant to most common automotive contaminants (see test data)
Vibration	10.2 grms 20 hours min.(see test data)
Shock	100 gs 18 shocks for 6 milliseconds
Contact Type	Crimp using automatic, semi-automatic or hand tooling, printed circuit
Number of Circuits	5 to 10
Contact Insertion	From rear with no insertion tool needed
Contact Removal	From rear with low cost hand tool
Contact Retention	25 lbs. (111N) minimum
Polarization	Keys and keyways

Cannon

