SRC – Sealed Rectangular Connectors

Next-generation 84-circuit Sealed Rectangular Connectors, with single-handed blind-mate functionality, leverage proven MX150 and MX150L terminals to offer a hybrid, high-circuit-count system for harsh applications in commercial vehicles.

Features and Benefits

- Pre-assembled connector housing, seals, rear cover and TPA ship in one piece
- Easier, quicker assembly processes. Applied labor and cost savings

- Integral, two-way matte seal and interface seal with improved retention features
- Passes IP69K testing. Suitable for applications in harsh environments. Interface seal now securely retained in two directions

- Sliding latch with cam action
- Enables single-handed mating and locking action
- Eliminates screw action or tools required for mating assembly. Latch does not interfere with wire harness

- Integral terminal position assurance (TPA) with new anti-scooping feature
- Assures that crimped terminal leads are properly locked into connector. Prevents terminals from being damaged during mating operation

- Standard MX150 and MX150L Terminals
  - Simple crimp, poke and plug application
  - Eliminates need to crimp individual wire seals
  - Easily increase circuit count using existing connectors
  - Enables quick, low-cost repairs in the field

Applications

- Commercial Vehicle
- Agricultural Machines
- Construction and Mining Equipment
- Forestry
- Marine Vehicles
- Generator Sets (Gensets)
- Search, Detection and Navigation
- Train and Railway Equipment
- Material Handling

Construction Vehicles
Agricultural Vehicles
Marine Vehicles
Specifications

REFERENCE INFORMATION
Packaging: See PK-85071-001 & PK-85070-001
Mates With: 85084 mates with 93792 93288 mates with 93792
Use With:
- MX150 Terminals series 33012, 33000
- MX150L Terminals series 19434, 19431
- SRC 2.50mm² Terminals series 93642, 93643
Designed In: mm
RoHS: Yes
Halogen Free: Yes
Glow Wire Compliant: Yes

PHYSICAL
Housing: SPS/ Nylon
Contact: See MX150 and MX150L
Operating Temperature: -40 to +125°C
Degree of protection: IP68 / IP69K

ELECTRICAL
Voltage (max.): 500V DC
Current (max.):
- 84-Circuit (fully loaded): 6.0A with 30°C T-Rise
- 20-Circuit (fully loaded): 15.0A with 30°C T-Rise
WG 8 MX150L Individual Terminal: 40.0A
Contact Resistance (max.):
- MX150: 10mΩ
- SRC: 20mΩ
- MX150L: 30mΩ
Insulation Resistance (min.): 20MΩ

MECHANICAL
Contact Insertion Force (max.): 200N
Contact Retention to Housing (min.): 50N
Mating/Unmating Force (max.): 200N

Results from sample trial:
- Average Measured Mating Force: 98N
- Measured Mating Force (max.): 111N
- Measured Mating Force (min.): 84N
Durability (min.):
- Tin: 25 cycles
- Gold: 100 cycles

Ordering Information

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<th>Number of Circuits</th>
<th>Gender</th>
<th>Terminal Cavities</th>
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