

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

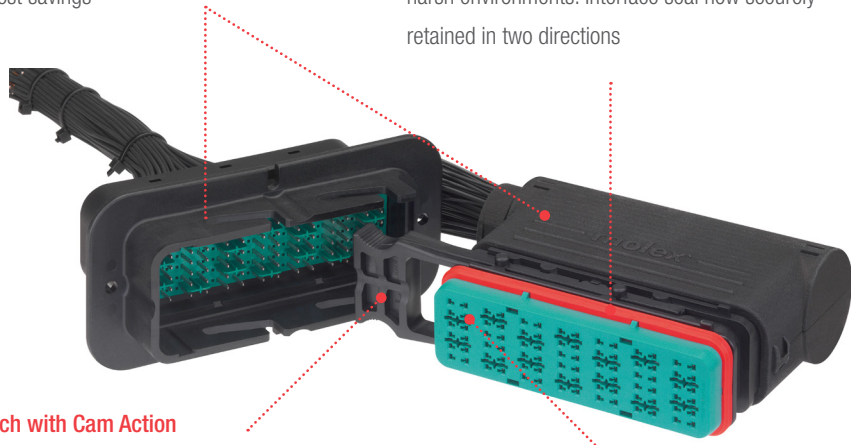
Easier, quicker assembly processes. Applied labor and cost savings

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

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

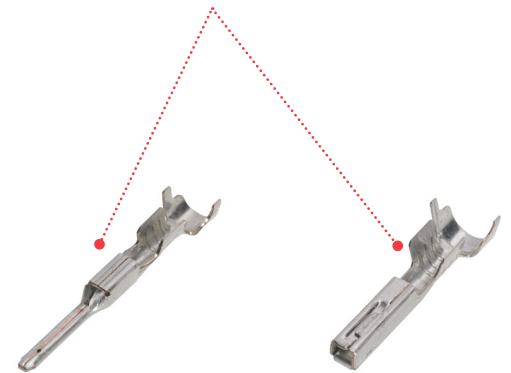


Sliding Latch with Cam Action

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



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

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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

AWG 14 MX150™ Individual Terminal: 18.0A

AWG 13 SRC Individual Terminal: 20.0A

20-Circuit (fully loaded): 15.0A with 30 °C T-Rise

WG 8 MX150L™ Individual Terminal: 40.0A

Contact Resistance (max.):

MX150™: 10mW

SRC: 20mW

MX150L™: 30mW

Insulation Resistance (min.): 20mW

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

| Order No. | Number of Circuits | | Gender | Terminal Cavities | | |
|----------------------------|--------------------|-------|--------|-------------------|--------------|------------------|
| | Control | Power | | MX150™ | SRC (13 AWG) | MX150L™ |
| 93287-0001 | 84 | 0 | Female | ALL | --- | --- |
| 93792-8400 | | | Male | | | |
| 93287-8425 | | | Female | A, C, D, E, G | B and F | -- |
| 93792-8425 | | | Male | | | |
| 85084-7203 | 72 | 2 | Female | A, B, C, E, F, G | --- | D |
| 93792-7202 | | | Male | | | |
| 85084-0700 | 60 | 6 | Female | B, C, D, E, F | --- | A and G |
| 93792-6006 | | | Male | | | |
| 85084-6025 | | | Female | C, D, E | B and F | A and G |
| 93792-6025 | | | Male | | | |
| 85084-4808 | 48 | 8 | Female | B, C, E, F | --- | A, D, G |
| 93792-4808 | | | Male | | | |
| 85084-3612 | 36 | 12 | Female | B, D, F | --- | A, C, E, G |
| 93792-3612 | | | Male | | | |
| 85084-2414 | 24 | 14 | Female | B, F | --- | A, C, D, E, G |
| 93792-2414 | | | Male | | | |
| 85084-1218 | 12 | 18 | Female | D | --- | A, B, C, E, F, G |
| 93792-1218 | | | Male | | | |
| 85084-0020 | 0 | 20 | Female | --- | --- | ALL |
| 93792-0020 | | | Male | | | |

www.molex.com/link/src.html