

SRC – Sealed Rectangular Connectors

molex

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

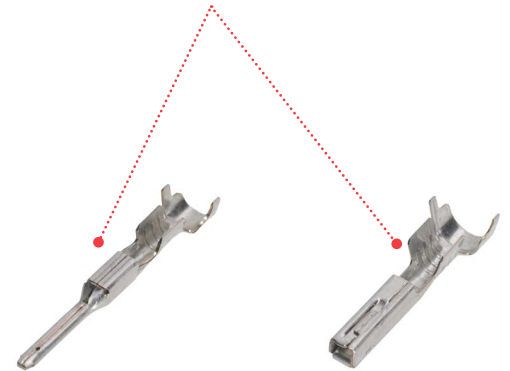
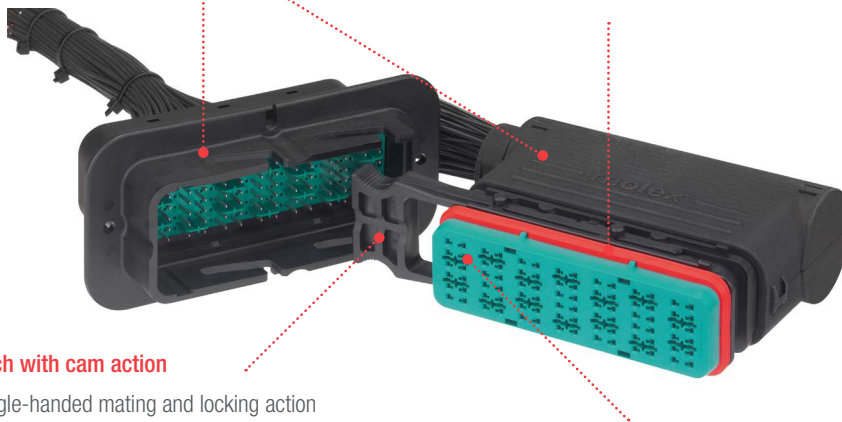
Simple crimp, poke and plug application
Eliminates need to crimp individual wire seals
Easily increase circuit count using existing connectors
Enables quick, low-cost repairs in the field

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			
85084-7202	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			

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