



## SRC CONNECTORS

TE Connectivity's SRC is a series of heavy-duty, high pin count sealed rectangular connectors that meets the demanding requirements of the industrial and commercial transportation industry. SRC connectors are rated IP67 and IP69K with an operating temperature range of -40°C to +125°C and designed for heavy duty applications commonly found in the truck, agricultural, construction, marine and other industrial markets.

Commercial vehicle applications are becoming more complex, resulting in larger wire harnesses that need to be fed-through panels and bulkheads. In response to the need for more circuits, SRC connectors offer a robust, sealed connector system that is available with eight (8) contact arrangements and a mix of power and signal contacts up to 84 positions. SRC connectors feature single-handed blind mate functionality with slide action, TPA terminal position assurance and rear integrated backplate protection. Backshells are available for additional sealing protection and wire routing options.

### Features and Benefits

#### Trusted & Reliable

- Rated IP67 and IP69K for sealed applications in harsh environments
- -40°C to +125°C operating temperature allows for under-hood applications
- TPA terminal position assurance ensures that crimped terminal leads are properly installed in the connector
- Enhanced connector alignment prevents terminals from being damaged during mating operation

#### Ease of use

- Simple connector alignment and sliding connector latch allow for easy installation and blind mating
- TPA, grommet seal and backplate are integrated in the connector housing simplifying harness assembly
- Simple crimp and poke of terminal leads through grommet seal simplifies harness assembly and field repairs

#### Increased Flexibility

- Eight (8) contact arrangements provide design flexibility for power and signal circuits combinations up to 84 positions
- Backshells offer additional sealing protection and wire routing options
- Panel gasket available for increased pass-through sealing performance

### Industries and Applications

Wire-to-wire, Panel Mount, Bulkhead/Firewall



#### Agriculture

- Tractors
- Combines
- Implements



#### Construction Equipment

- Fork lifts
- Loaders
- Cranes



#### Vocational Trucks

- Fire trucks
- Concrete mixers
- Refuse trucks
- Work trucks



#### Truck & Bus



#### Marine



#### Recreational Vehicles

# SRC RECTANGULAR CONNECTORS

## Technical Specifications:

|                                     |                                                                                                         |
|-------------------------------------|---------------------------------------------------------------------------------------------------------|
| Protection                          | IP67 and IP69K                                                                                          |
| Operating Temperature               | -40°C to +125°C                                                                                         |
| Contact Arrangements (Signal-Power) | 84-0, 72-2, 60-6, 48-8, 36-12, 24-14, 12-18, 0-20                                                       |
| Contacts                            | Signal MX150: Female Molex 33012 series, Blade Molex 33000 series                                       |
|                                     | Signal SRC2.5: Female Molex 93643 series, Blade Molex 93642 series                                      |
|                                     | Power MX150L: Female Molex 19434 series, Blade Molex 19431 series                                       |
| Operating Current                   | Signal MX150: 84-Circuit (fully loaded): 6.0A with 30°C T-Rise<br>Individual Terminal: 18.0A (AWG 14)   |
|                                     | Signal SRC2.5: 20-Circuit (fully loaded): 15.0A with 30°C T-Rise<br>Individual Terminal: 20.0A (AWG 13) |
|                                     | Power MX150L: Individual Terminal: 40.0A (AWG 8)                                                        |
| Wire Seal Range                     | Signal MX150: 1.50-2.70mm                                                                               |
|                                     | Signal SRC2.5: 1.50-3.00mm                                                                              |
|                                     | Power MX150L: 3.00-5.00mm                                                                               |

## Part Numbers:

| No Circuits |       | Circuits |           |        | Circuits |                          |           |        |                    |           |        |
|-------------|-------|----------|-----------|--------|----------|--------------------------|-----------|--------|--------------------|-----------|--------|
| Signal      | Power | Signal   | Signal    | Power  | Color    | Receptacle (Slide Latch) |           |        | Plug (Panel Mount) |           |        |
|             |       | MX150    | SRC 2.5mm | MX150L |          | TCPN                     | Alias     | Gender | TCPN               | Alias     | Gender |
| 84          | 0     | 60       | 24        |        | Black    | 2500009-1                | 932878425 | F      | 2500025-1          | 937928425 | M      |
| 84          | 0     | 60       | 24        |        | Green    | 2500015-1                | 938498425 | F      | 2500026-1          | 938508425 | M      |
| 84          | 0     | 84       |           |        | Black    | 2500008-1                | 932870001 | F      | 2500024-1          | 937928400 | M      |
| 84          | 0     | 84       |           |        | Green    | 2500014-1                | 938498400 | F      | 2500027-1          | 938508400 | M      |
| 72          | 2     | 72       |           | 2      | Black    | 2500007-1                | 850847202 | F      | 2500023-1          | 937927202 | M      |
| 60          | 6     | 36       | 24        | 6      | Black    | 2500006-1                | 850846025 | F      | 2500022-1          | 937926025 | M      |
| 60          | 6     | 36       | 24        | 6      | Green    | 2500013-1                | 938496025 | F      | 2500028-1          | 938506025 | M      |
| 60          | 6     | 60       |           | 6      | Black    | 2500005-1                | 850840700 | F      | 2500021-1          | 937926006 | M      |
| 60          | 6     | 60       |           | 6      | Green    | 2500012-1                | 938496006 | F      | 2500029-1          | 938506006 | M      |
| 48          | 8     | 48       |           | 8      | Black    | 2500004-1                | 850844808 | F      | 2500020-1          | 937924808 | M      |
| 48          | 8     | 48       |           | 8      | Green    | 2500011-1                | 938494808 | F      | 2500030-1          | 938504808 | M      |
| 36          | 12    | 36       |           | 12     | Black    | 2500003-1                | 850843612 | F      | 2500019-1          | 937923612 | M      |
| 36          | 12    | 36       |           | 12     | Green    | 2500010-1                | 938493612 | F      | 2500031-1          | 938506312 | M      |
| 24          | 14    | 24       |           | 14     | Black    | 2500002-1                | 850842414 | F      | 2500018-1          | 937922414 | M      |
| 12          | 18    | 12       |           | 18     | Black    | 2500001-1                | 850841218 | F      | 2500017-1          | 937921218 | M      |
| 0           | 20    | 0        |           | 20     | Black    | 2500000-1                | 850840020 | F      | 2500016-1          | 937920020 | M      |

## SRC RECTANGULAR CONNECTORS

| SCR Accessories |                               | TCPN           | Alias         |
|-----------------|-------------------------------|----------------|---------------|
| Backshell       | Receptacle (F) Conduit Cover* | 2500034 series | 934810 series |
|                 | Plug (M) Conduit Cover*       | 2500035 series | 934815 series |
| Flange Gasket   | Plug (M) for panel mount      | 2500032-1      | 850710017     |

\* Visit [TE.com](http://TE.com) for Conduit Cover options

### te.com

TE, TE Connectivity, TE connectivity (logo), and EVERY CONNECTION COUNTS are trademarks. Other logos, products and/or company names referred to herein might be trademarks of their respective owners. The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

© 2020 TE Connectivity Ltd. family of companies All Rights Reserved.  
5-1773983-4 | Published 05/2020

Molex®, MX150™ and MX150L™ are a registered trademark of Molex, LLC in the United States of America and may be registered in other countries; all other trademarks listed herein belong to their respective owners.