



CTCS

Designed
for the transportation market



Market Challenges

- Harsh operating environments and serviceability
- Stringent emissions regulations
- Increasing electrical architecture complexity

Why CTCS?

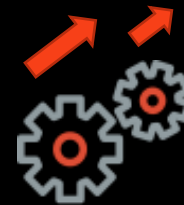
Designed and validated for
the transportation market



Unparalleled performance :
best in-class **reliability and
durability**



Application **versatility**



The **right connector** for the right job

- Test-compliant to the most stringent transportation standards and requirements from leading CV OEMs
- **3 series to perfectly match your design need**

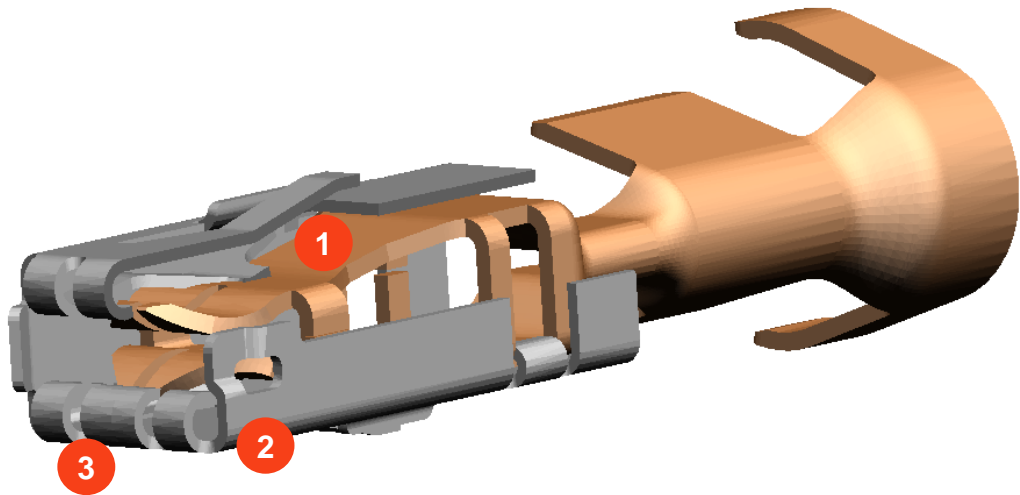
CTCS XP has been designed for extra performances



| | Unsealed Series | SP Series | XP Series |
|-------------|-----------------|---------------------------------|--|
| Application | Cab | Chassis and engine compartments | Chassis, engine compartments and on-engine |

CTS Terminal **superior performance**

Superior vibration and relaxation resistance

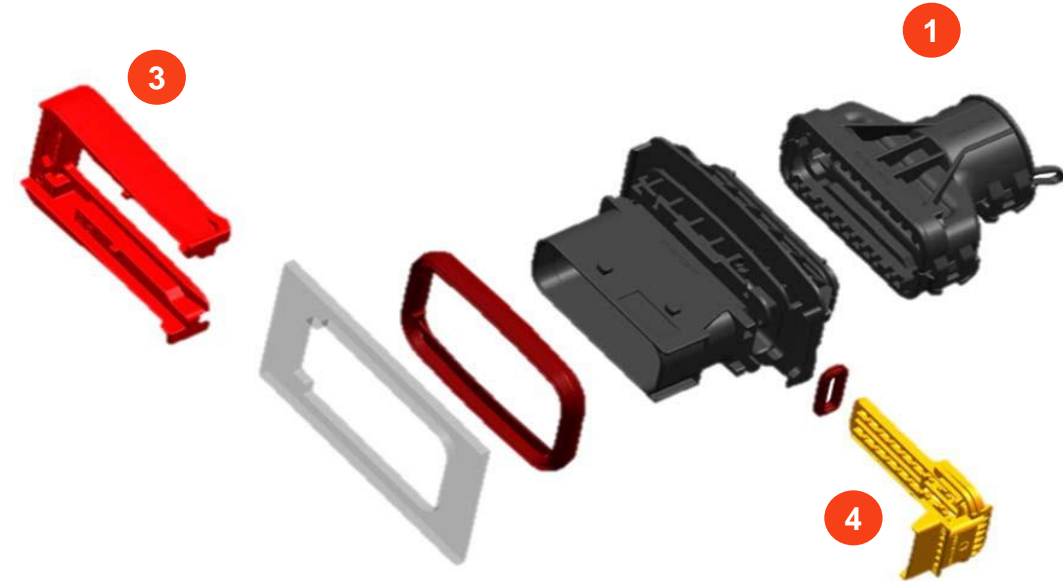


1. Pre-loaded stainless steel spring **reduces relaxation for improved performance** in high-vibration and high-temperature scenarios
2. Mechanically locked box
3. Protected mating area

A robust connector design for best-in-class reliability



16W XP Series Female connector

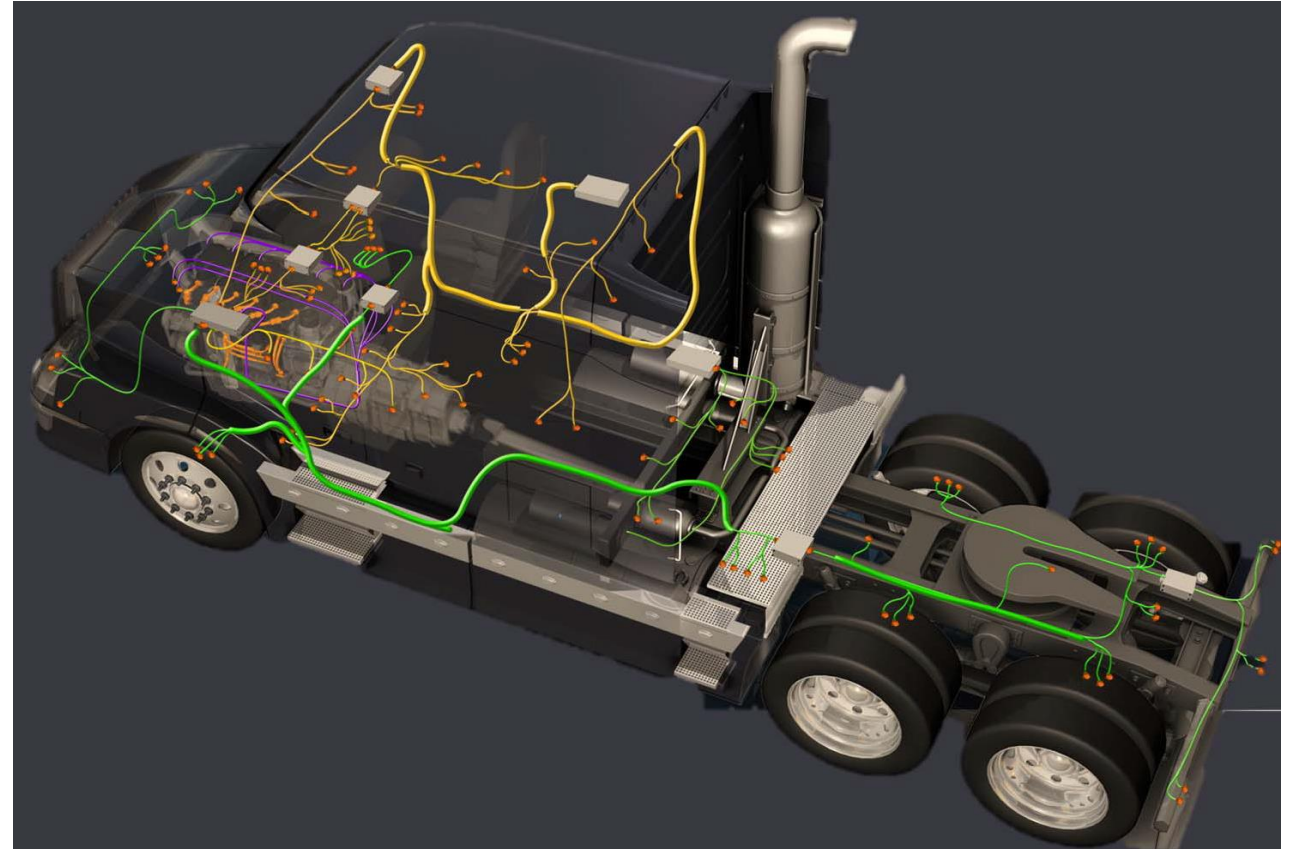
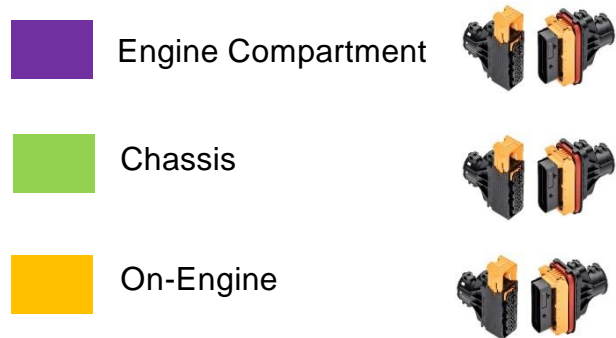


16W XP Series Male Connector

- 1 Improved robustness during wire harness handling operations by optimizing wire dress cover design
- 2 Optimized connector fit, for reduced connector movement and better performance under harsh operating conditions, such as high vibration
- 3 Improved serviceability by strengthening locking slides
- 4 Improved unseated terminal detection capability, reducing the probability of terminal push-outs and warranty issues by optimizing secondary lock design

Application versatility

The broad CTCS family covers virtually every sealed application in a vehicle, ranging from chassis to sealed on-engine uses.



An **integrated connection system** to keep your commercial vehicle on the road

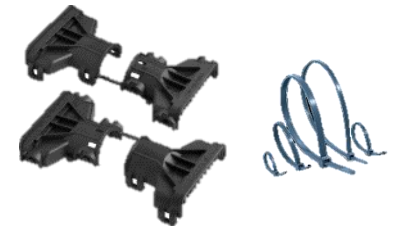
Connectors

- Inline and device applications
- 2 through 18 way configurations
- Slider lock assist mechanism



Accessories

- 180° or 90° back shells
- 1.0-3.5 mm fixing slides
- Caps
- Clips and wire ties



HellermannTyton

Terminals

- 1.5, 2.8, and 6.3 mm blade sizes
- 0.08-6.0 mm² / 28-10 awg cable sizes
- Tin, silver, and gold plating options



Hand Crimp Tool

- Covers female and male terminals
- No solder required



Seals

- Cable seals and cavity plugs
- Cover all CTCS cavity sizes



Service Tools

- One tool for female and male terminals
- Commercially available for 1.5, 2.8, 6.3





Explore the
[CTCS family](#)
on the Aptiv e-catalog