

# 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**



Unsealed Series



SP Series



XP Series

Application

Cab

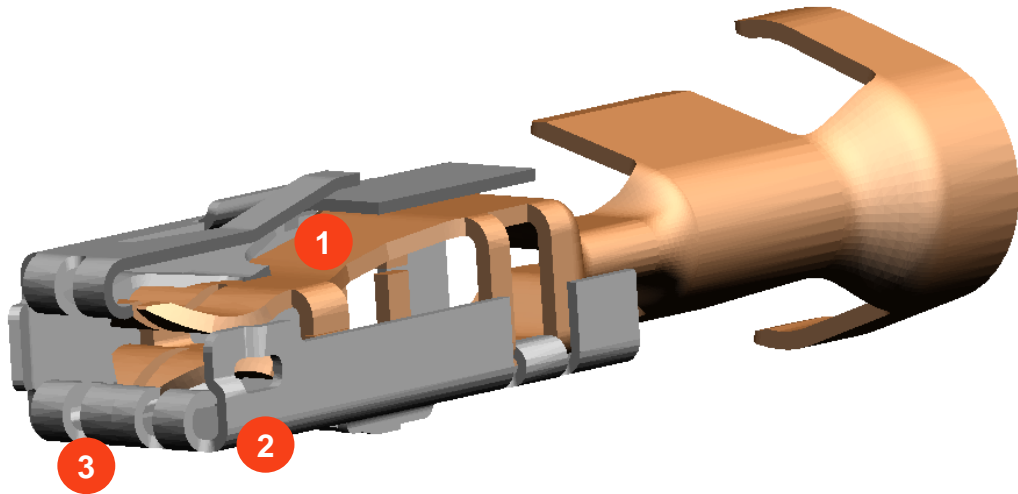
Chassis and engine compartments

Chassis, engine compartments and  
on-engine

# CTS Terminal

## superior performance

**Superior vibration and relaxation resistance**



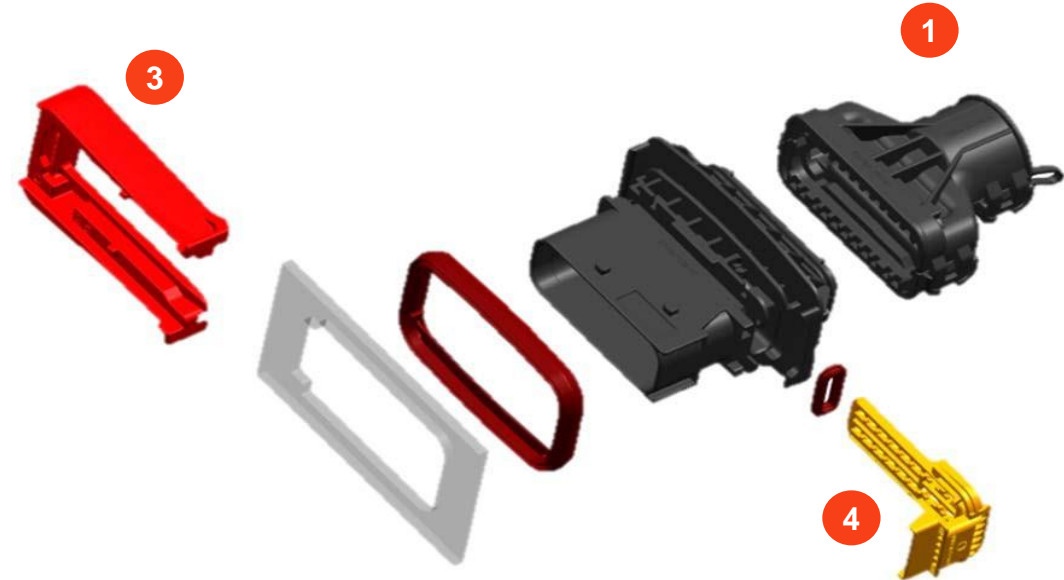
- 1. Pre-loaded stainless steel spring **reduces relaxation** for improved performance in high-vibration and high-temperature scenarios**
- 2. Mechanically locked box**
- 3. Protected mating area**

# A robust connector design for best-in-class reliability



16W XP Series Female connector

- 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

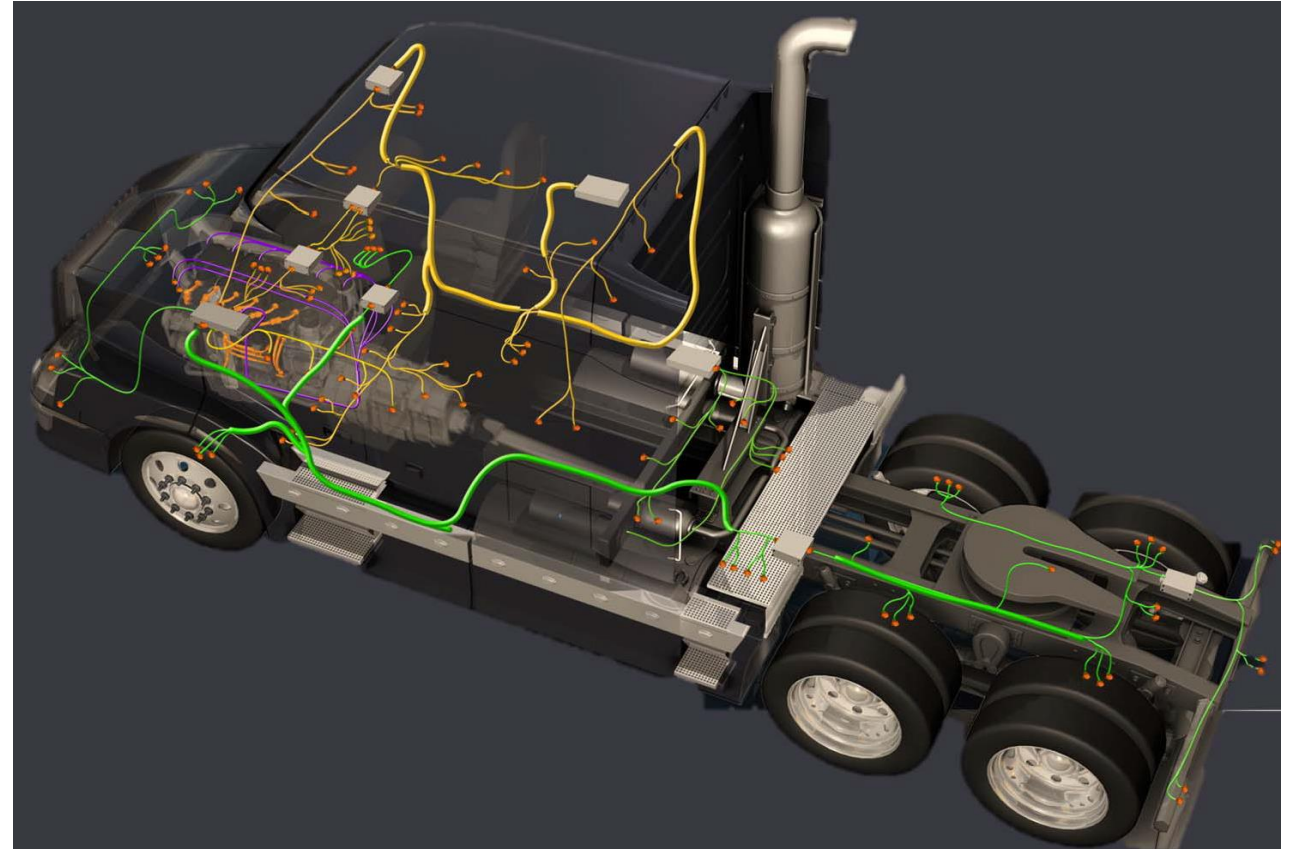


16W XP Series Male Connector

- 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 application in a vehicle, ranging from unsealed in-cab to sealed on-engine uses.



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

## Connectors

- Inline and device applications
- 2 through 62 way configurations
- Sealed and unsealed applications
- Two different lock assist mechanisms for sealed connectors: Slider lock and Lever lock



## Terminals

- 1.5, 2.8, and 6.3 mm blade sizes
- 0.08-6.0 mm<sup>2</sup> / 28-10 awg cable sizes
- Tin, silver, and gold plating options

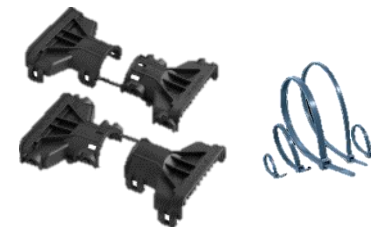


## Seals

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

## Accessories

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



**HellermannTyton**

## Hand Crimp Tool

- Covers female and male terminals
- No solder required



## Service Tools

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





Explore the  
**CTCS family**  
on the Aptiv e-catalog