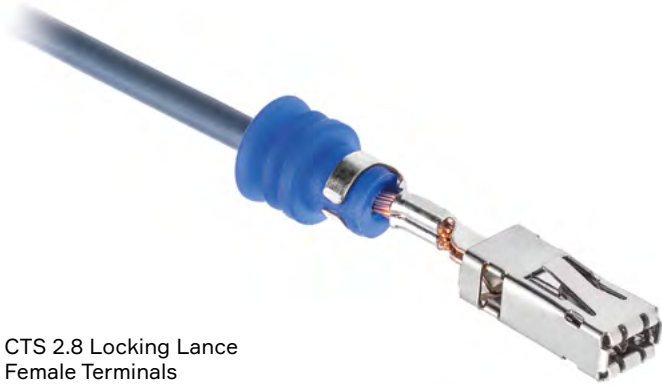


CTS 2.8 LOCKING LANCE SERIES



CTS 2.8 Locking Lance
Female Terminals

BENEFITS

- Compatible with industry standard cavities
- Robust terminal design with several design features providing a perfect electrical function for two different tab thicknesses in one part
- 100% vision controlled manufacturing

FEATURES

- Protected mating area
- Usable for tab thicknesses of 0.6 and 0.8 mm
- Two-tang primary lock
- Stainless steel spring
- High pre-loaded contact area



AVAILABLE CONFIGURATIONS

| | |
|------------------------------------|--------------------------------|
| Terminal Construction | Two-piece |
| Locking Mechanism | Tangless / Lanceless |
| Crimp Validated to | USCAR 14 / LV214 (slow motion) |
| Blade Size (mm) | 2.8 |
| Wire Gage Range (AWG) | 24 - 14 |
| Wire Gage Range (mm ²) | 0.22 - 2.5 |
| Genders | Female |
| Sealing Options | Unsealed, Cable Sealed |
| Plating Options | Sn, Ag |
| Mating Tab Dimension (mm) | 2.8 x 0.8 |

See back page for representative part numbers and packaging dimensions.

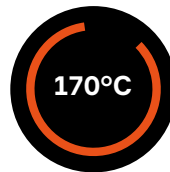


TECHNICAL CHARACTERISTICS

| | |
|------------------------|--|
| Contact Resistance | < 4 mΩ |
| Contact Mating Force | < 10 N |
| Contact Unmating Force | > 2 N |
| Mating Cycles | 10 (Sn) / 25 (Ag) |
| Cavity Pullout Force | > 80 N |
| Center Line Spacing | Unsealed: 5 x 5.5 mm Sealed: 5 x 6 mm |



MAX
TEMP



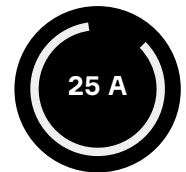
Ag



MAX
VIBRATION



MAX CURRENT
AT 23°C



About Aptiv

Aptiv is a global technology company that develops safer, greener and more connected solutions enabling the future of mobility.

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| Sealing | Gender | Plating | Wire size range (AWG) | Wire size range (mm ²) | Part number | Other available platings |
|--------------|--------|---------|-----------------------|------------------------------------|-------------|--------------------------|
| Unsealed | F | Sn | 24 - 22 | 0.22 - 0.35 | 15457847 | Ag |
| Unsealed | F | Sn | 20 - 18 | 0.5 - 1.0 | 15457848 | Ag |
| Unsealed | F | Sn | 16 - 14 | 1.5 - 2.5 | 15457849 | Ag |
| Cable Sealed | F | Sn | 24 - 22 | 0.22 - 0.35 | 15446673 | Ag |
| Cable Sealed | F | Sn | 20 - 18 | 0.5 - 1.0 | 15446674 | Ag |
| Cable Sealed | F | Sn | 16 - 14 | 1.5 - 2.5 | 15446675 | Ag |

COMPATIBLE SEALS

| Type | Applicable wire size (mm ²) | Color | Part number |
|------------|---|-----------|-------------|
| Cable Seal | 0.22 - 0.35 | Blue | 15339967 |
| Cable Seal | 0.5 - 1.0 | White | 15324976 |
| Cable Seal | 1.5 - 2.5 | Red-brown | 15327863 |

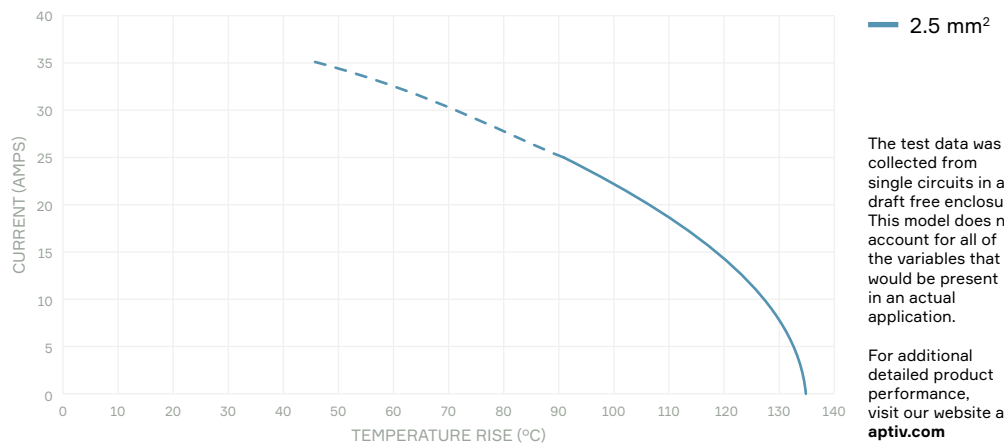
DERATING CURVES

Cable range: 0.22 - 2.5 mm²
 Crimp method: Standard
 Contact plating: Sn
 Test method: Single circuit in free air*
 Mated to: DCS-2 / TTS male (2.8 x 0.8 mm)

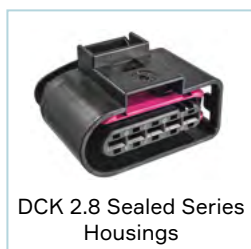
* For reference only

Terminal without housing

acc. to DIN EN 60512-5-2



COMPATIBLE WITH



Part numbers, specifications, dimensions and performance data in this document are for general references only and are subject to change without notice. To verify product information, please contact an Aptiv representative.

CS-SP112-CTS-En1019

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