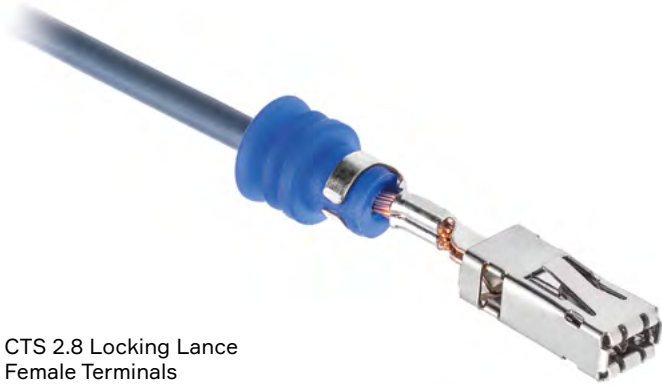


# CTS 2.8 LOCKING LANCE SERIES



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 <sup>2</sup> )	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.

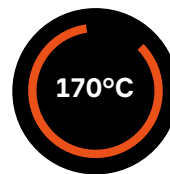


## TECHNICAL CHARACTERISTICS

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



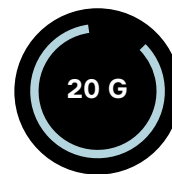
MAX  
TEMP



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 <sup>2</sup> )	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 <sup>2</sup> )	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

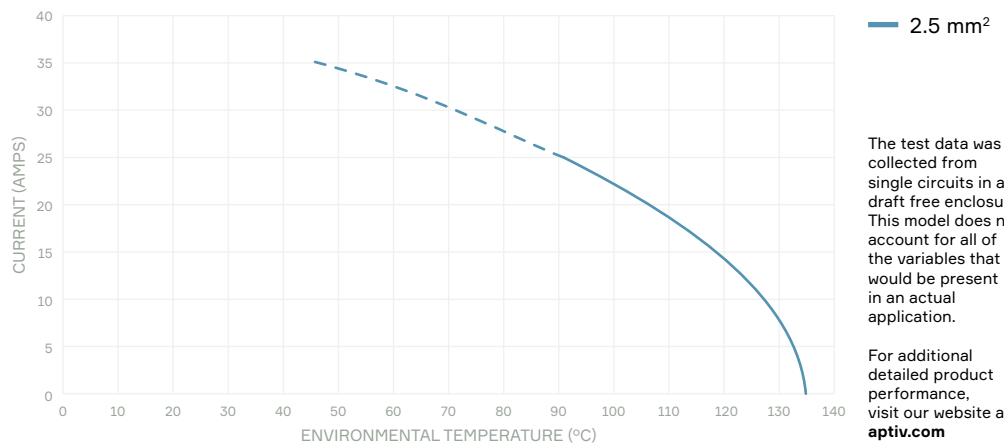
## DERATING CURVES

Cable range: 0.22 - 2.5 mm<sup>2</sup>  
 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)

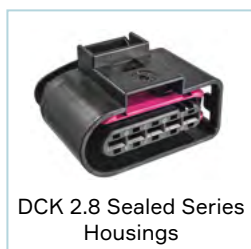
\* For reference only

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-En0221

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