

# CTS 1.2 LOCKING LANCE SERIES



CTS 1.2 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
- One robust primary locking lance
- High performance copper alloy
- Shape inside four electrical contact points
- Ultrasonic welding ability according to AK 43-2



## AVAILABLE CONFIGURATIONS

Terminal Construction	Two-piece
Locking Mechanism	Tangless / Lanceless
Crimp Validated to	LV214
Blade Size (mm)	1.2
Wire Gage Range (AWG)	24 - 16
Wire Gage Range (mm <sup>2</sup> )	0.13 - 1.5
Genders	Female
Sealing Options	Unsealed, Cable Sealed
Plating Options	Sn, Ag
Mating Tab Dimension (mm)	1.2 x 0.6 (up to 0.64)

See back page for representative part numbers and packaging dimensions.

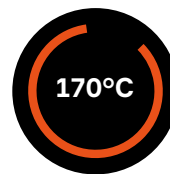


## TECHNICAL CHARACTERISTICS

Contact Resistance	2.5 mΩ
Contact Mating Force	4.2 N
Contact Unmating Force	4.2 N
Mating Cycles	20 (Sn) / 30 (Ag)
Center Line Spacing	Unsealed: 2.5 x 2.5 mm Sealed: 4.5 x 4.5 mm



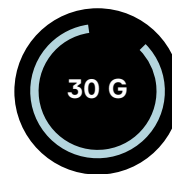
MAX  
TEMP



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.

Visit [aptiv.com](https://www.aptiv.com) →



• **APTIV** •

Sealing	Gender	Plating	Wire size range (AWG)	Wire size range (mm <sup>2</sup> )	Part number	Other available platings
Unsealed	F	Sn	24	0.13	13948572	Ag, Au
Unsealed	F	Sn	22	0.20 - 0.35	13959129	Ag, Au
Unsealed	F	Sn	20	0.50 - 0.75	13959126	Ag, Au
Unsealed	F	Sn	18 - 16	1.0 - 1.5	13959123	Ag, Au
Cable Sealed	F	Sn	24	0.13	13959117	Ag, Au
Cable Sealed	F	Sn	22	0.20 - 0.35	13959120	Ag, Au
Cable Sealed	F	Sn	20	0.50 - 0.75	13959141	Ag, Au
Cable Sealed	F	Sn	18 - 16	1.0	13948568	Ag, Au

## COMPATIBLE SEALS

Type	Applicable wire size (mm <sup>2</sup> )	Color	Part number
Cable Seal	0.13	Yellow	33120597
Cable Seal	0.20 - 0.35	Red	15327913
Cable Seal	0.50 - 0.75	Gray	15327918
Cable Seal	1.0	Gray	15327918

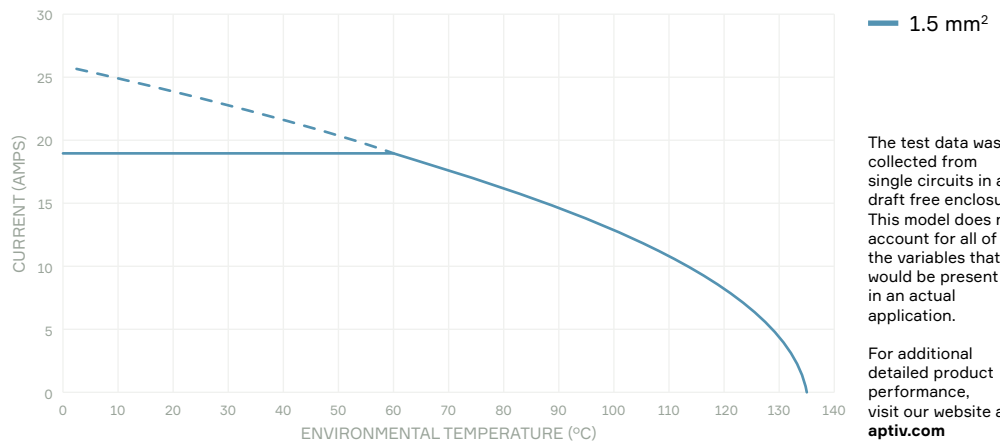
## DERATING CURVES

Cable range: 0.13 - 1.5 mm<sup>2</sup>  
 Crimp method: Standard  
 Contact plating: Sn  
 Test method: Single circuit in free air\*  
 Mated to: MLK 120 Sn

\* For reference only

Terminal without housing

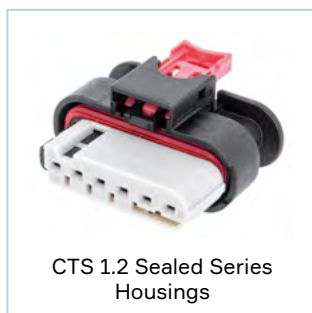
acc. to DIN EN 60512-5-2



The test data was collected from single circuits in a draft free enclosure. This model does not account for all of the variables that would be present in an actual application.

For additional detailed product performance, visit our website at [aptiv.com](http://aptiv.com)

## 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-SP109-CTS-En0221

• **APTIV** •

[aptiv.com](http://aptiv.com) | © 2021 Aptiv. All rights reserved