

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 ²)	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.

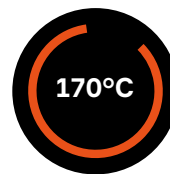


TECHNICAL CHARACTERISTICS

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



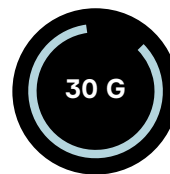
MAX
TEMP



Ag



MAX
VIBRATION



MAX CURRENT
AT 23°C



About Aptiv

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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	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 ²)	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

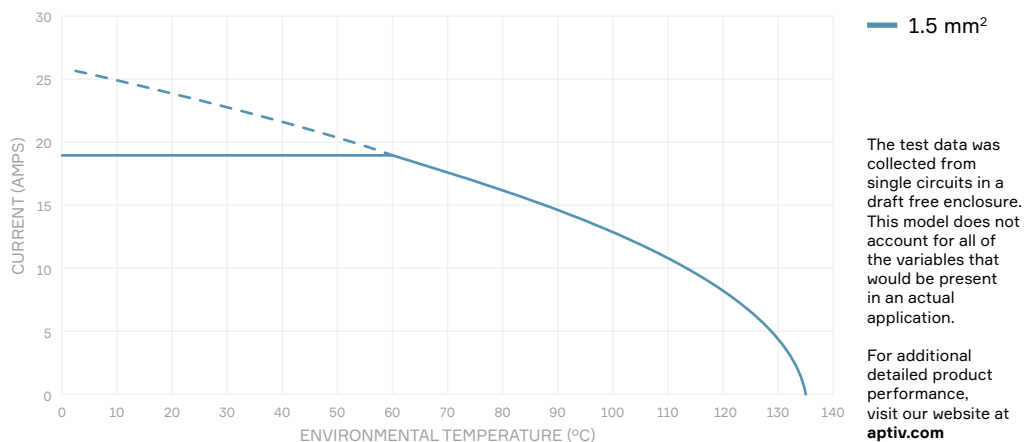
DERATING CURVES

Cable range: 0.13 - 1.5 mm²
 Crimp method: Standard
 Contact plating: Sn
 Test method: Single circuit in free air*
 Mated to: MLK 120 Sn

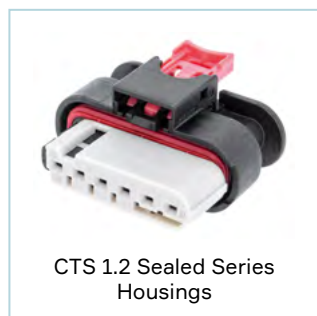
* For reference only

Terminal without housing

acc. to DIN EN 60512-5-2



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.

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