CTS 0.5 LOCKING LANCE SERIES

CTS 0.5 Locking Lance
Female & Male Terminals

BENEFITS

- Compatible with industry standard cavities
- Robust terminal design with several design features providing a perfect electrical function
- 100% vision controlled manufacturing

FEATURES

- Protected mating area
- One robust primary locking lance
- High performance copper alloy

AVAILABLE CONFIGURATIONS

Terminal Construction	One-piece Female Two-piece Male
Locking Mechanism	Tangless / Lanceless
Crimp Validated to	LV214 / USCAR-21
Blade Size (mm)	0.5
Wire Gage Range (AWG)	26 - 22
Wire Gage Range (mm²)	0.08 - 0.35
Genders	Female, Male
Sealing Options	Block Seal, Unsealed
Plating Options	Sn, Ag
Mating Tab Dimension (mm)	0.4 x 0.5

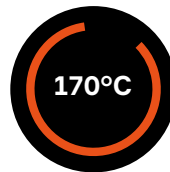See back page for representative part numbers and packaging dimensions.

TECHNICAL CHARACTERISTICS

Contact Resistance	7 mΩ
Contact Mating Force	2.0 N
Contact Unmating Force	2.0 N
Mating Cycles	20 (Sn) / 50 (Ag)
Cavity Pullout Force	> 30 N
Center Line Spacing	1.2 x 1.8 mm

MAX TEMP	MAX VIBRATION	MAX CURRENT AT 23ºC
170ºC	15 G	3 A

Ag

About Aptiv

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

Visit **aptiv.com** →

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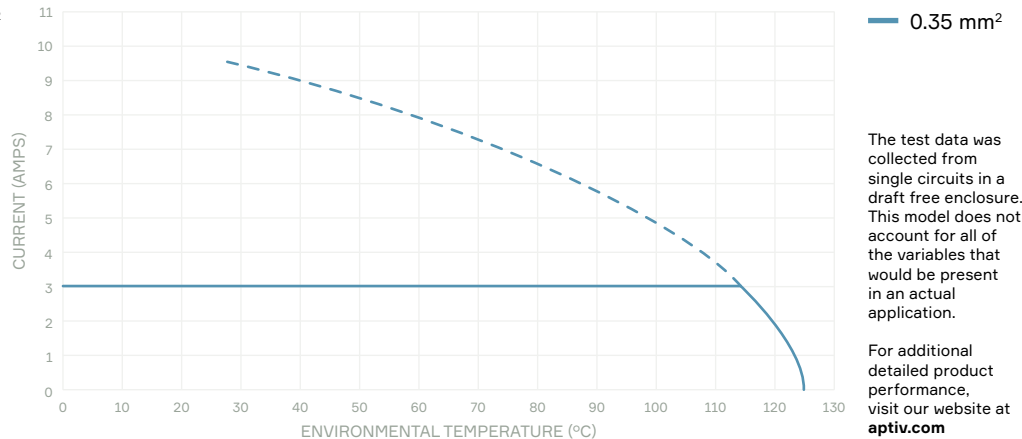| Sealing	Gender	Plating	Wire size range (AWG)	Wire size range (mm²)	Part number	Other available platings
Block Seal	F	Sn	26	0.08 - 0.14	33124946	Ag
Block Seal	F	Sn	24 - 22	0.17 - 0.35	33124945	Ag
Block Seal	M	Sn	26	0.08 - 0.14	35195964	Ag
Block Seal	M	Sn	24 - 22	0.17 - 0.35	35195966	Ag

DERATING CURVES

Cable range: 0.08 - 0.35 mm²
Crimp method: Standard
Contact plating: Sn
Test method: Single circuit in free air*
Mated to: Pin 0.4 x 0.5 mm

* For reference only

Terminal whithout housing

acc. to DIN EN 60512-5-2

— 0.35 mm²

CURRENT (AMPS) vs ENVIRONMENTAL TEMPERATURE (°C)

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**

COMPATIBLE WITH

NanoPack™ CTS Unsealed USCAR Series

NanoPack™ CTS Unsealed AK Series

NanoPack™ CTS Sealed AK Series

AMEC 100 Mb Sealed Series

AMEC 100 Mb Unsealed Series

AMEC + 1 Gb Sealed Series

AMEC + 1 Gb Unsealed Series

CS-SP108-CTS-En0221

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