

Алматы (7273)495-231  
Ангарск (3955)60-70-56  
Архангельск (8182)63-90-72  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Благовещенск (4162)22-76-07  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Владикавказ (8672)28-90-48  
Владимир (4922)49-43-18  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06  
Ижевск (3412)26-03-58  
Иркутск (395)279-98-46  
Казань (843)206-01-48  
Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Коломна (4966)23-41-49  
Кострома (4942)77-07-48  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Курган (3522)50-90-47  
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Нижний Новгород (831)429-08-12  
Новокузнецк (3843)20-46-81  
Ноябрьск (3496)41-32-12  
Новосибирск (383)227-86-73  
Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
Петрозаводск (8142)55-98-37  
Псков (8112)59-10-37

Пермь (342)205-81-47  
Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Саранск (8342)22-96-24  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78  
Севастополь (8692)22-31-93  
Симферополь (3652)67-13-56  
Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
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Тверь (4822)63-31-35  
Тольятти (8482)63-91-07  
Томск (3822)98-41-53  
Тула (4872)33-79-87  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Улан-Удэ (3012)59-97-51  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Чебоксары (8352)28-53-07  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Чита (3022)38-34-83  
Якутск (4112)23-90-97  
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

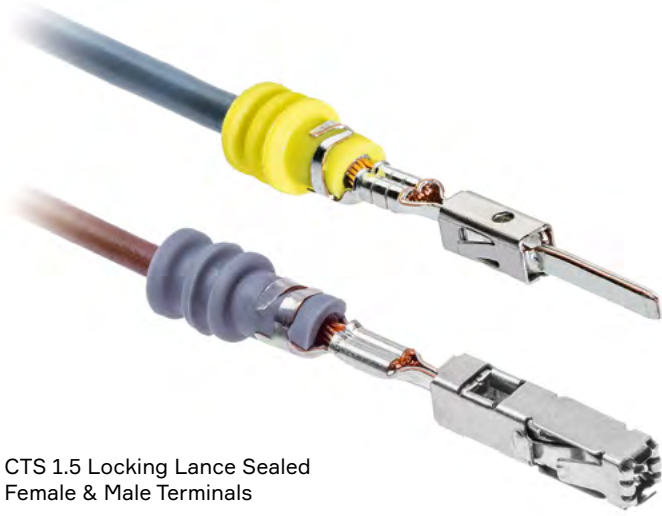
Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

[www.aptiv.nt-rt.ru](http://www.aptiv.nt-rt.ru) | | [avi@nt-rt.ru](mailto:avi@nt-rt.ru)

**Технические характеристики на  
автомобильные клеммы в разъемы с  
фиксатором, негерметичные, герметичные,  
с фиксатором CTS 6.3, CTS 6.3, CTS 2.8, CTS 2.8,  
CTS 12, CTS 1.5, CTS 1.2, CTS 0,5  
КОМПАНИИ **APTIV PLC****

# CTS 1.5 LOCKING LANCE SEALED SERIES



CTS 1.5 Locking Lance Sealed  
Female & Male Terminals

## BENEFITS

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

## FEATURES

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



## AVAILABLE CONFIGURATIONS

Terminal Type	Box & Blade
Locking Mechanism	Tanged / Lanced
Crimp Validated to	LV 214
Blade Size (mm)	1.5
Wire Gage Range (AWG)	28 - 16
Wire Gage Range (mm <sup>2</sup> )	0.08 - 1.5
Genders	Female, Male (TTS)
Sealing Options	Cable Sealed
Plating Options	Sn, Ag, Au

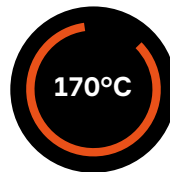


## TECHNICAL CHARACTERISTICS

Contact Resistance	< 2 mΩ
Contact Mating Force	< 7.0 N
Contact Unmating Force	< 7.0 N
Mating Cycles	20 (Sn) / 50 (Ag) / 100 (Au)
Cavity Pullout Force	> 55N (Primary lock) > 90N (Secondary lock)
Center Line Spacing	4.0 x 4.0 mm / 3.5 x 4.0 mm with 2.0 mm displacing



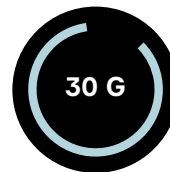
MAX  
TEMP



Ag



MAX  
VIBRATION



MAX CURRENT  
AT 23°C



with 1.5 mm<sup>2</sup>

See back page for representative part numbers and packaging dimensions.

Sealing	Gender	Plating	Wire size range (AWG)	Wire size range (mm <sup>2</sup> )	Part number	Other available platings
Cable Sealed	F	Sn	24 - 22	0.22 - 0.35	15432208	Ag, Au
Cable Sealed	F	Sn	20 - 16	0.5 - 1.0	15432210	Ag, Au
Cable Sealed	F	Sn	16	1.0 - 1.5	15432212	Ag, Au
Cable Sealed	M	Sn	24 - 22	0.22 - 0.35	15482330	Ag, Au
Cable Sealed	M	Sn	20 - 16	0.5 - 1.0	15482331	Ag, Au
Cable Sealed	M	Sn	16	1.0 - 1.5	15482332	Ag, Au

Please, contact an Aptiv representative for the full part number list.

## COMPATIBLE SEALS

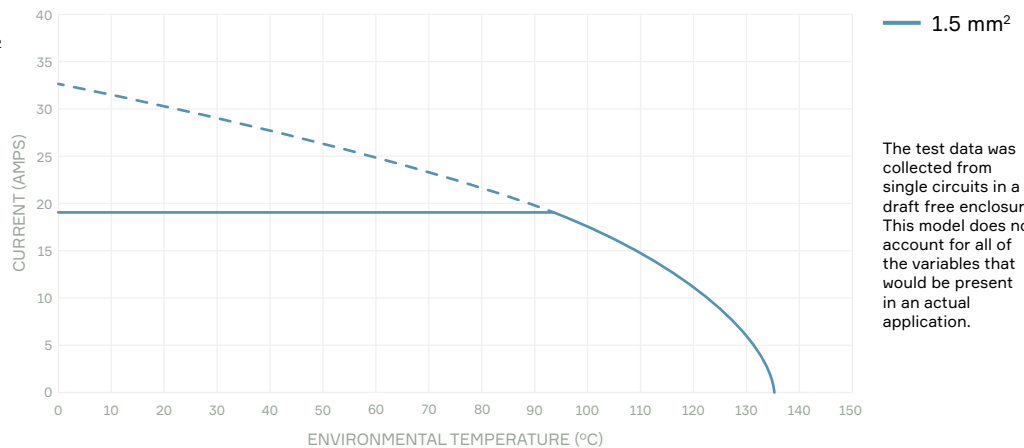
Type	Applicable wire size (mm <sup>2</sup> )	Color	Part number
Cable Seal	0.22 - 0.35	Red	15327913
Cable Seal	0.5 - 1.0	Gray	15327918
Cable Seal	1.0 - 1.5	Yellow	15339412

## DERATING CURVE

Aptiv taxi: 15432214  
 Cable range: 0.08 - 1.5 mm<sup>2</sup>  
 Crimp method: Standard  
 Contact plating: Sn  
 Test method: Single circuit in free air\*  
 Mated to: CTS 1.5 male terminals

\* For reference only

Determined with tab, size 1.5 mm x 0.8 mm, tin plated



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.

## COMPATIBLE WITH



# 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.

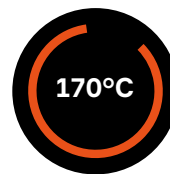


## TECHNICAL CHARACTERISTICS

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



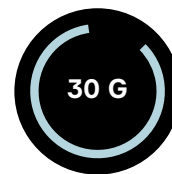
MAX  
TEMP



Ag



MAX  
VIBRATION



MAX CURRENT  
AT 23°C



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

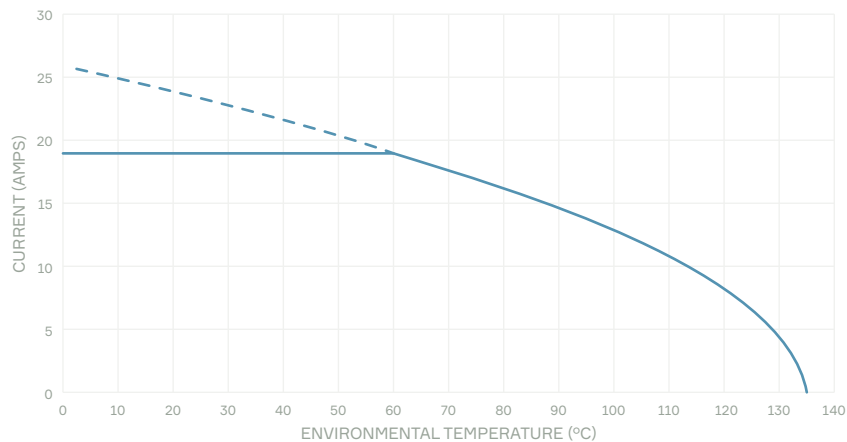
## COMPATIBLE SEALS

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



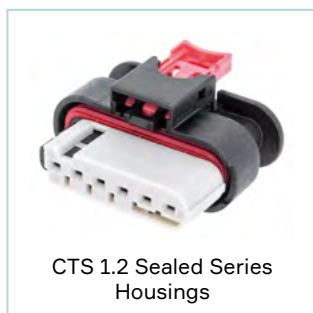
— 1.5 mm<sup>2</sup>

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.

Terminal without housing

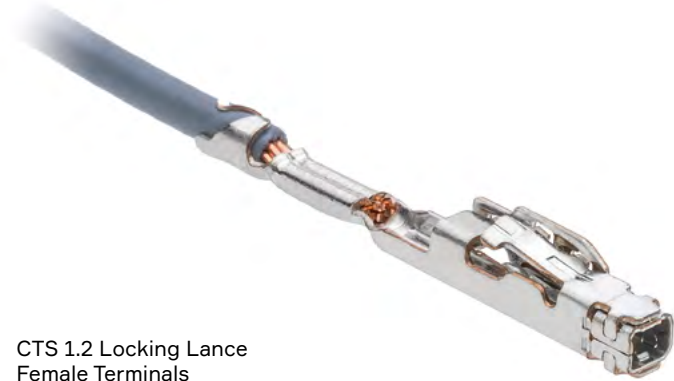
acc. to DIN EN 60512-5-2

## COMPATIBLE WITH



CTS 1.2 Sealed Series Housings

# 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.

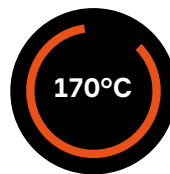


## TECHNICAL CHARACTERISTICS

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



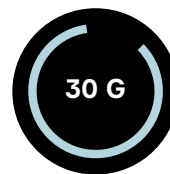
MAX  
TEMP



Ag



MAX  
VIBRATION



MAX CURRENT  
AT 23°C



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

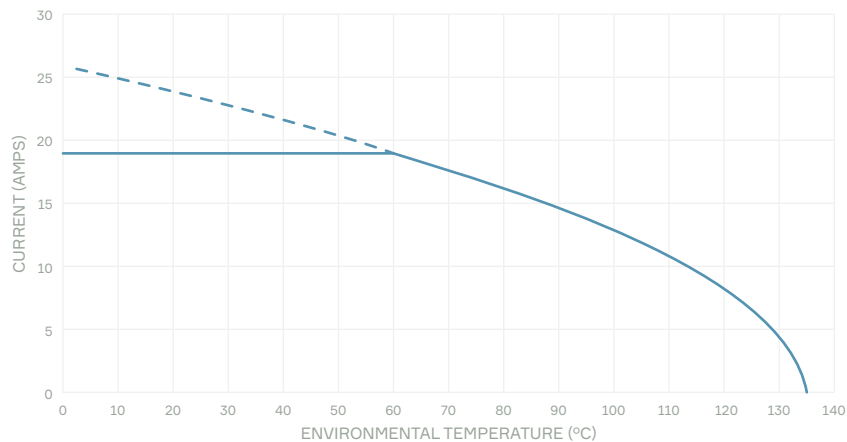
## COMPATIBLE SEALS

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



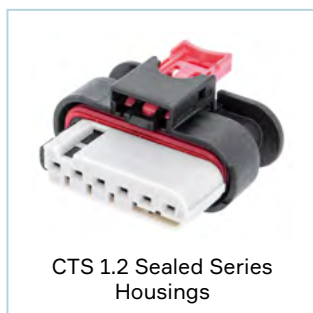
— 1.5 mm<sup>2</sup>

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.

Terminal without housing

acc. to DIN EN 60512-5-2

## COMPATIBLE WITH





# CTS 6.3 LOCKING LANCE SERIES



CTS 6.3 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	Tanged / Lanced
Crimp Validated to	USCAR-21 (2014)
Blade Size (mm)	5.8
Wire Gage Range (AWG)	22 - 9
Wire Gage Range (mm <sup>2</sup> )	0.35 - 6.0
Genders	Female
Sealing Options	Unsealed, Cable Sealed
Plating Options	Sn, Ag
Mating Tab Dimension (mm)	5.8 x 0.8

See back page for representative part numbers and packaging dimensions.

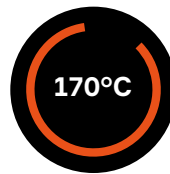


## TECHNICAL CHARACTERISTICS

Contact Resistance	< 4 mΩ
Contact Mating Force	< 20 N
Contact Unmating Force	> 4 N
Mating Cycles	10 (Sn) / 20 (Ag)
Center Line Spacing	Unsealed: 8.0 x 6.0 mm Sealed: 9.0 x 9.0 mm



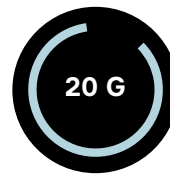
MAX  
TEMP



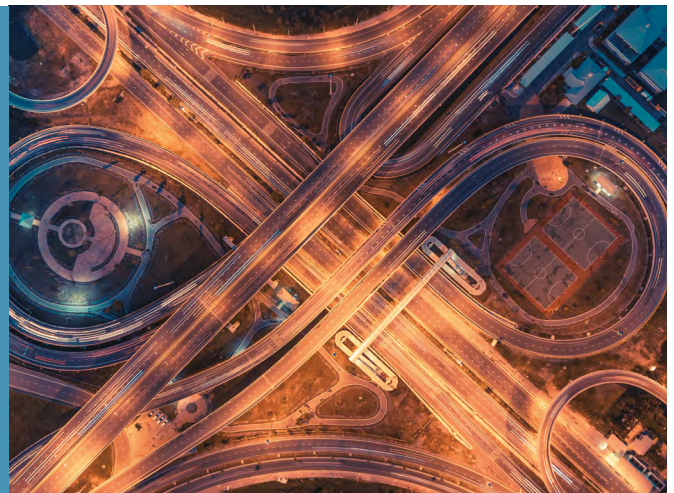
Ag



MAX  
VIBRATION



MAX CURRENT  
AT 23°C





Sealing	Gender	Plating	Wire size range (AWG)	Wire size range (mm <sup>2</sup> )	Part number	Other available platings
Unsealed	F	Sn	22	0.35	13976098	Ag
Unsealed	F	Sn	20 - 17	0.5 - 1.0	13976099	Ag
Unsealed	F	Sn	16 - 14	1.5 - 2.5	13976100	Ag
Unsealed	F	Sn	14 - 12	2.5 - 4.0	13976101	Ag
Unsealed	F	Sn	12 - 8	4.0 - 6.0	13976102	Ag
Cable Sealed	F	Sn	22	0.35	13976114	Ag
Cable Sealed	F	Sn	20 - 17	0.5 - 1.0	13976115	Ag
Cable Sealed	F	Sn	16 - 14	1.5 - 2.5	13976116	Ag
Cable Sealed	F	Sn	14 - 12	2.5 - 4.0	13976117	Ag
Cable Sealed	F	Sn	12 - 8	4.0 - 6.0	13976118	Ag

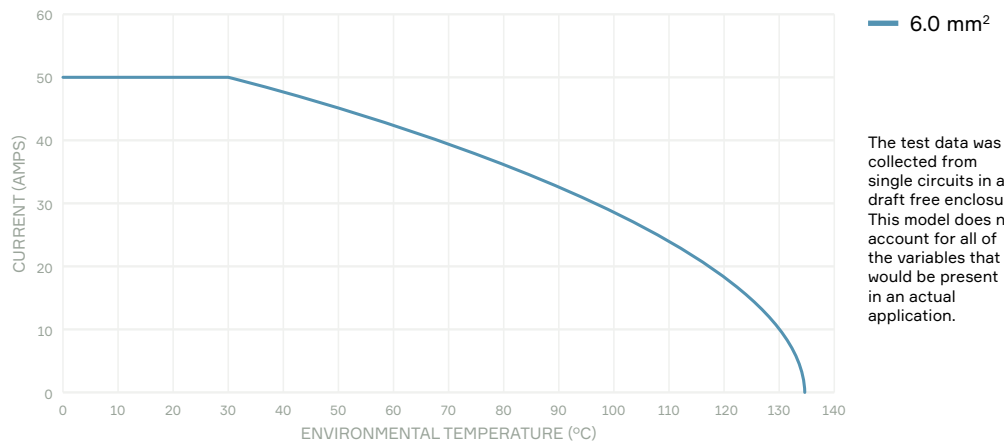
## COMPATIBLE SEALS

Type	Applicable wire size (mm <sup>2</sup> )	Color	Part number
Cable Seal	0.22 - 0.35	Yellow	15363779
Cable Seal	1.5 - 2.5	White	15363604
Cable Seal	2.5 - 6.0	Green	15363605

## DERATING CURVES

Cable range: 0.35 - 6.0 mm<sup>2</sup>  
 Crimp method: Standard  
 Contact plating: Sn  
 Test method: Single circuit in free air\*  
 Mated to: Tab (5,8 x 0,8 mm) Sn

\* For reference only



Terminal without housing

acc. to DIN EN 60512-5-2

## COMPATIBLE WITH



# CTS 6.3 LOCKING LANCE SERIES



CTS 6.3 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	Tanged / Lanced
Crimp Validated to	USCAR-21 (2014)
Blade Size (mm)	5.8
Wire Gage Range (AWG)	22 - 9
Wire Gage Range (mm <sup>2</sup> )	0.35 - 6.0
Genders	Female
Sealing Options	Unsealed, Cable Sealed
Plating Options	Sn, Ag
Mating Tab Dimension (mm)	5.8 x 0.8

See back page for representative part numbers and packaging dimensions.

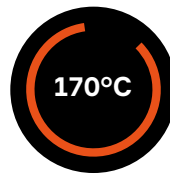


## TECHNICAL CHARACTERISTICS

Contact Resistance	< 4 mΩ
Contact Mating Force	< 20 N
Contact Unmating Force	> 4 N
Mating Cycles	10 (Sn) / 20 (Ag)
Center Line Spacing	Unsealed: 8.0 x 6.0 mm Sealed: 9.0 x 9.0 mm



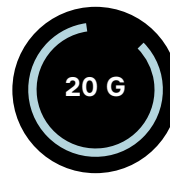
MAX  
TEMP



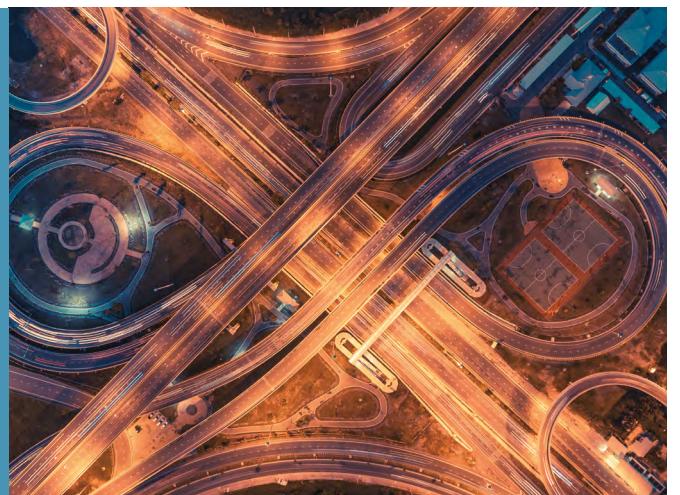
Ag



MAX  
VIBRATION



MAX CURRENT  
AT 23°C



Sealing	Gender	Plating	Wire size range (AWG)	Wire size range (mm <sup>2</sup> )	Part number	Other available platings
Unsealed	F	Sn	22	0.35	13976098	Ag
Unsealed	F	Sn	20 - 17	0.5 - 1.0	13976099	Ag
Unsealed	F	Sn	16 - 14	1.5 - 2.5	13976100	Ag
Unsealed	F	Sn	14 - 12	2.5 - 4.0	13976101	Ag
Unsealed	F	Sn	12 - 8	4.0 - 6.0	13976102	Ag
Cable Sealed	F	Sn	22	0.35	13976114	Ag
Cable Sealed	F	Sn	20 - 17	0.5 - 1.0	13976115	Ag
Cable Sealed	F	Sn	16 - 14	1.5 - 2.5	13976116	Ag
Cable Sealed	F	Sn	14 - 12	2.5 - 4.0	13976117	Ag
Cable Sealed	F	Sn	12 - 8	4.0 - 6.0	13976118	Ag

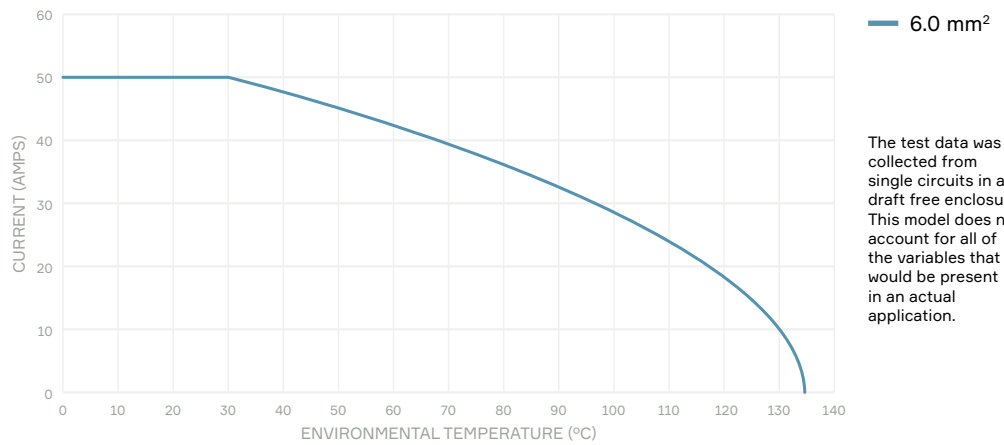
## COMPATIBLE SEALS

Type	Applicable wire size (mm <sup>2</sup> )	Color	Part number
Cable Seal	0.22 - 0.35	Yellow	15363779
Cable Seal	1.5 - 2.5	White	15363604
Cable Seal	2.5 - 6.0	Green	15363605

## DERATING CURVES

Cable range: 0.35 - 6.0 mm<sup>2</sup>  
 Crimp method: Standard  
 Contact plating: Sn  
 Test method: Single circuit in free air\*  
 Mated to: Tab (5,8 x 0,8 mm) Sn

\* For reference only



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.

Terminal without housing

acc. to DIN EN 60512-5-2

## COMPATIBLE WITH



# 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	Tanged / Lanced
Crimp Validated to	LV214 / USCAR-21
Blade Size (mm)	0.5
Wire Gage Range (AWG)	26 - 22
Wire Gage Range (mm <sup>2</sup> )	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.

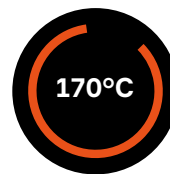


## TECHNICAL CHARACTERISTICS

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



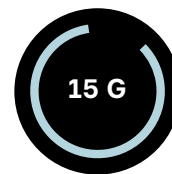
MAX  
TEMP



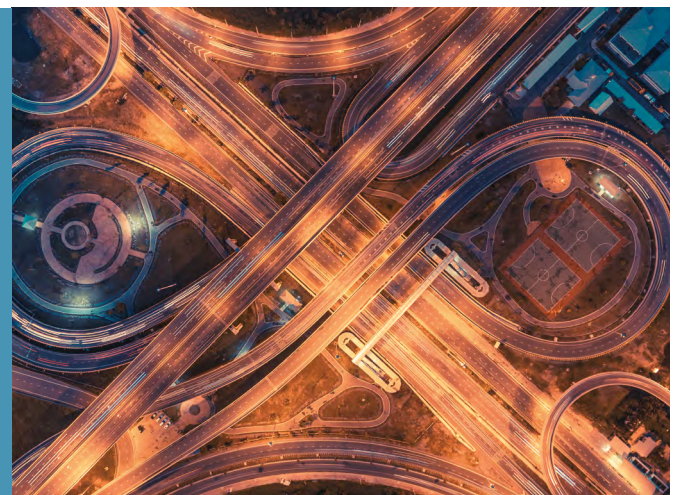
Ag



MAX  
VIBRATION



MAX CURRENT  
AT 23°C



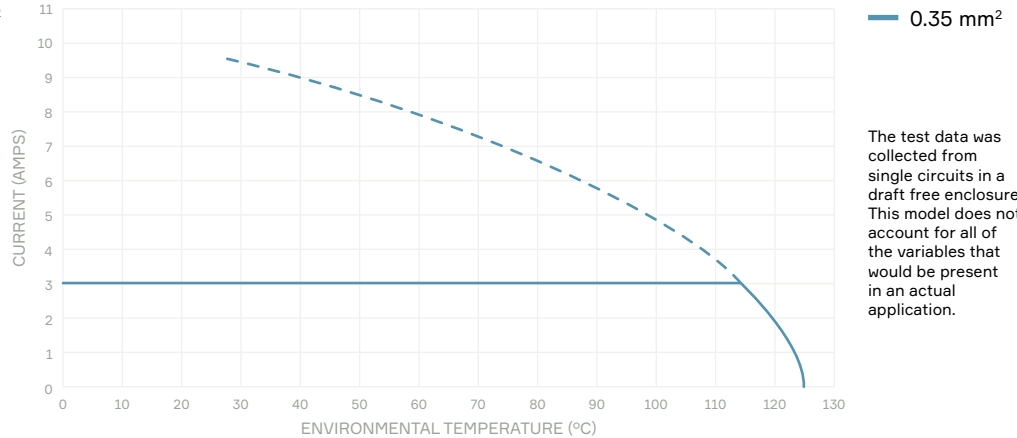


Sealing	Gender	Plating	Wire size range (AWG)	Wire size range (mm <sup>2</sup> )	Part number	Other available platings
Block Seal	F	Sn	26	0.08 - 0.14	33124946	Ag
Block Seal	F	Sn	24 - 22	0.17 - 0.35	33124945	Ag
Block Seal	M	Sn	26	0.08 - 0.14	35195964	Ag
Block Seal	M	Sn	24 - 22	0.17 - 0.35	35195966	Ag

## DERATING CURVES

Cable range: 0.08 - 0.35 mm<sup>2</sup>  
 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



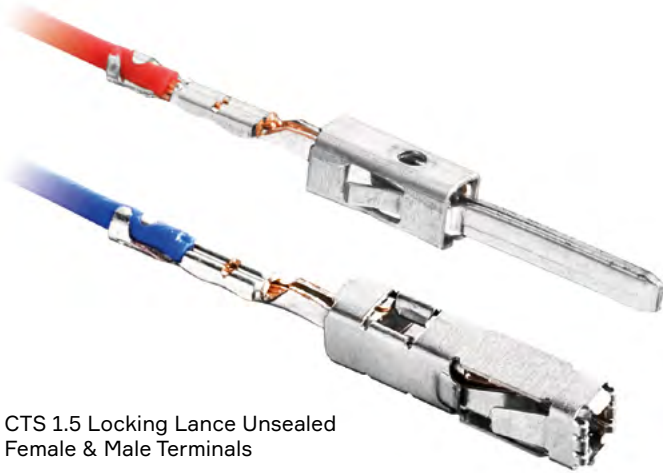
Terminal without housing

acc. to DIN EN 60512-5-2

## COMPATIBLE WITH



# CTS 1.5 LOCKING LANCE UNSEALED SERIES



CTS 1.5 Locking Lance Unsealed  
Female & Male Terminals

## BENEFITS

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

## FEATURES

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



## AVAILABLE CONFIGURATIONS

Terminal Type	Box & Blade
Locking Mechanism	Tanged / Lanced
Crimp Validated to	LV 214
Blade Size (mm)	1.5
Wire Gage Range (AWG)	28 - 16
Wire Gage Range (mm <sup>2</sup> )	0.08 - 1.5
Genders	Female, Male (TTS)
Sealing Options	Unsealed
Plating Options	Sn, Au

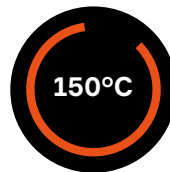


## TECHNICAL CHARACTERISTICS

Contact Resistance	< 2 mΩ
Contact Mating Force	< 7.0 N
Contact Unmating Force	< 7.0 N
Mating Cycles	20 (Sn) / 50 (Ag) / 100 (Au)
Cavity Pullout Force	> 55N (Primary lock) > 90N (Secondary lock)
Center Line Spacing	4.0 x 4.0 mm / 3.5 x 4.0 mm with 2.0 mm displacing



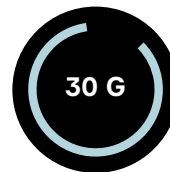
MAX  
TEMP



Ag



MAX  
VIBRATION



MAX CURRENT  
AT 23°C



with 1.5 mm<sup>2</sup>

See back page for representative part numbers and packaging dimensions.

Sealing	Gender	Plating	Wire size range (AWG)	Wire size range (mm <sup>2</sup> )	Part number	Other available platings
Unsealed	F	Sn	28 - 26	0.08 - 0.18	13819159	Au
Unsealed	F	Sn	24 - 22	0.22 - 0.35	15432237	Au
Unsealed	F	Sn	20 - 16	0.5 - 1.0	15432235	Au
Unsealed	F	Sn	16	1.0 - 1.5	15432233	Au
Unsealed	M	Sn	28 - 26	0.08 - 0.18	13733481	Au
Unsealed	M	Sn	24 - 22	0.22 - 0.35	15396711	Au
Unsealed	M	Sn	20 - 16	0.5 - 1.0	15396712	Au
Unsealed	M	Sn	16	1.0 - 1.5	15482337	Au
Unsealed	M	Sn	(2)22 - (2)20	(2)0.35 - (2)0.50	15396713	Au

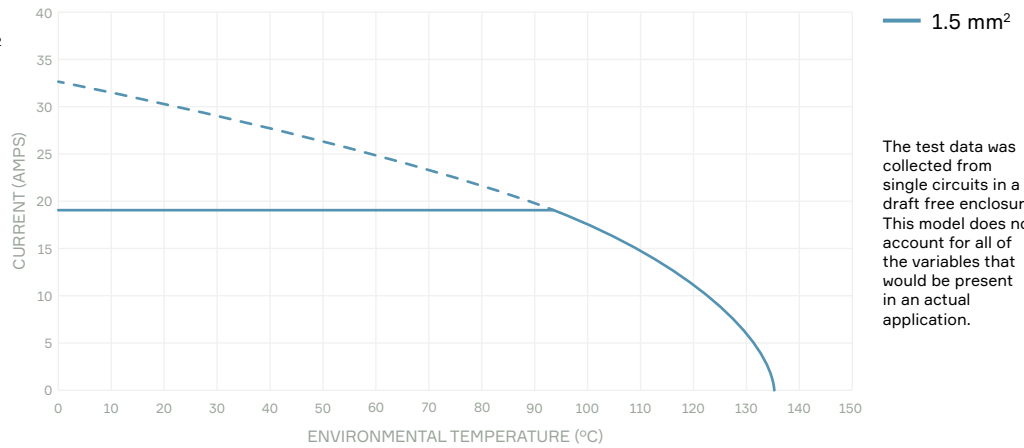
Please, contact an Aptiv representative for the full part number list.

## DERATING CURVE

Aptiv taxi: 15432239  
 Cable range: 0.08 - 1.5 mm<sup>2</sup>  
 Crimp method: Standard  
 Contact plating: Sn  
 Test method: Single circuit in free air\*  
 Mated to: CTS 1.5 male terminals

\* For reference only

Determined with tab, size 1.5 mm x 0.8 mm, tin plated



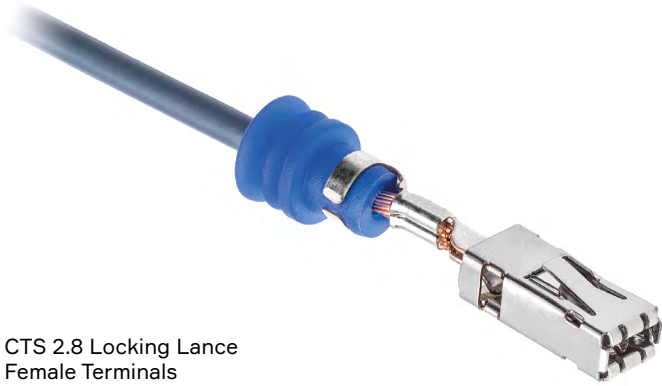
The test data was collected from single circuits in a draft free enclosure. This model does not account for all of the variables that would be present in an actual application.

## COMPATIBLE WITH





# 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	Tanged / Lanced
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

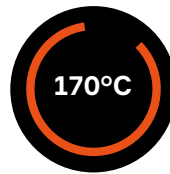


## TECHNICAL CHARACTERISTICS

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



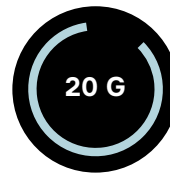
MAX  
TEMP



Ag



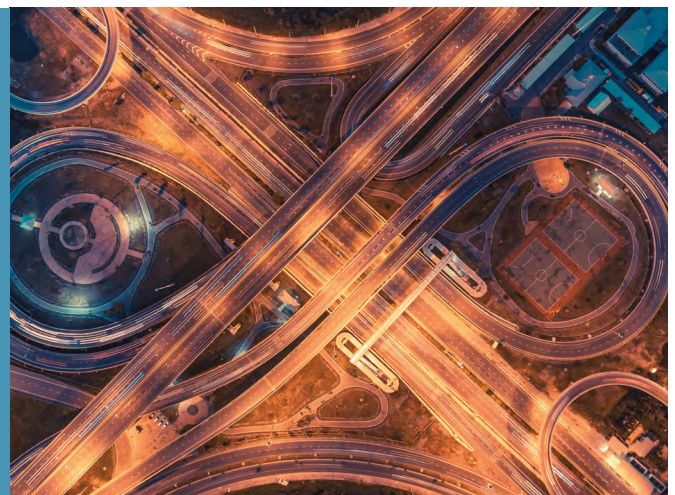
MAX  
VIBRATION



MAX CURRENT  
AT 23°C



See back page for representative part numbers and packaging dimensions.



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

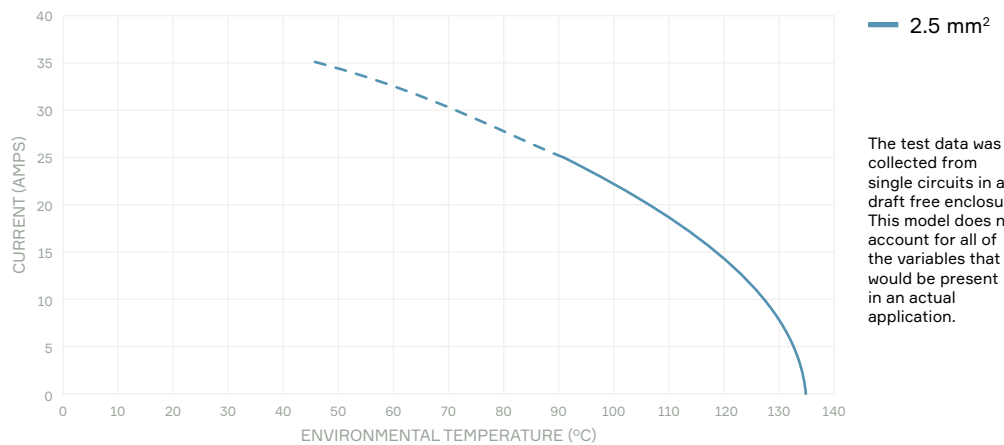
## COMPATIBLE SEALS

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)

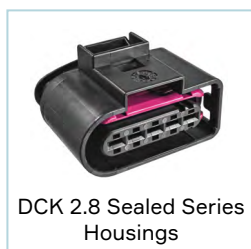
\* For reference only



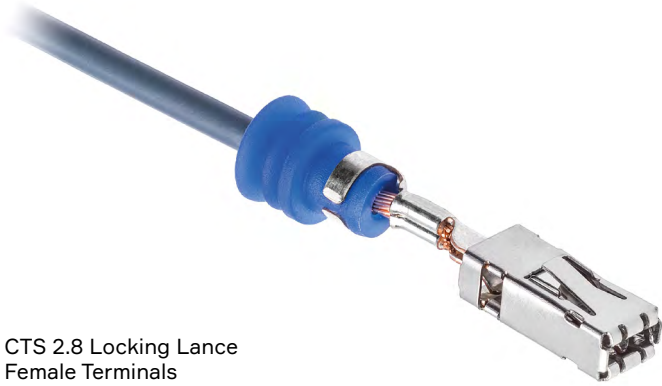
Terminal without housing

acc. to DIN EN 60512-5-2

## COMPATIBLE WITH



# 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	Tanged / Lanced
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

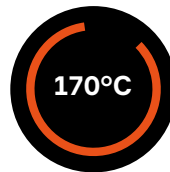


## TECHNICAL CHARACTERISTICS

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



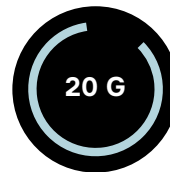
MAX  
TEMP



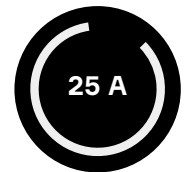
Ag



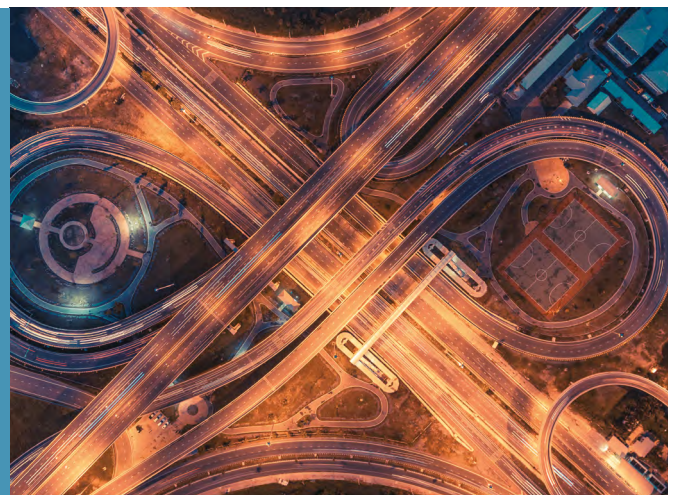
MAX  
VIBRATION



MAX CURRENT  
AT 23°C



See back page for representative part numbers and packaging dimensions.



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

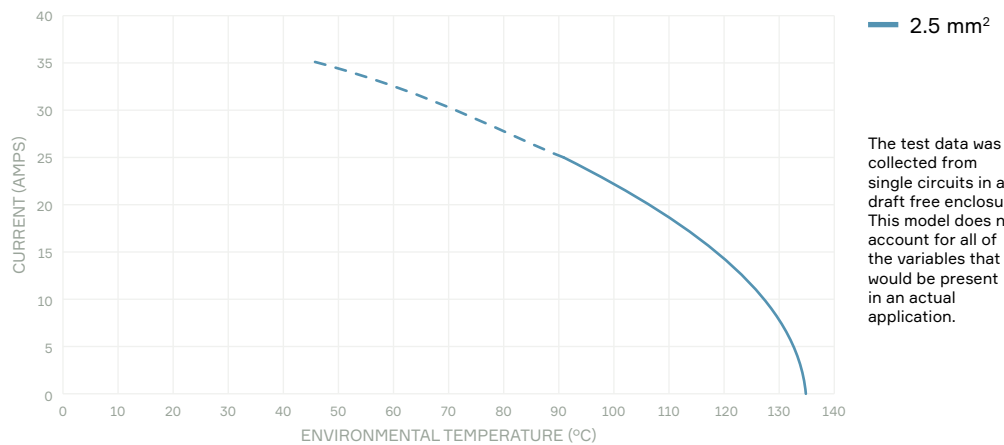
## COMPATIBLE SEALS

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

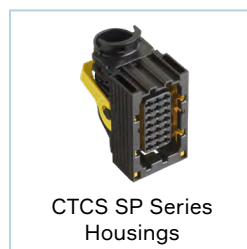
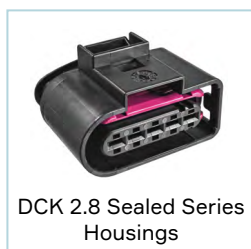


The test data was collected from single circuits in a draft free enclosure. This model does not account for all of the variables that would be present in an actual application.

Terminal without housing

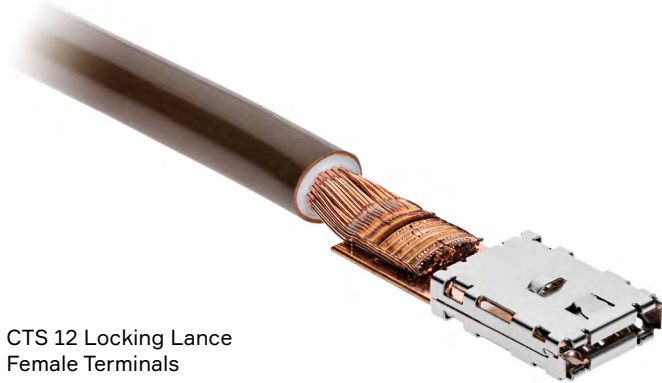
acc. to DIN EN 60512-5-2

## COMPATIBLE WITH





# CTS 12 LOCKING LANCE SERIES



CTS 12 Locking Lance  
Female Terminals

## BENEFITS

- Patented system provides best in class performance over the full temperature range
- 90/180° cable orientation thanks to welding pad solution
- Welding pad designed for cross sections of: 10 - 35 mm<sup>2</sup>
- Aluminum and copper wire versions available
- Improved contact point overlapping comparing to competition

## FEATURES

- Mechanical locking of terminal box assures ultrasonic welding robustness
- Improved pull-out force
- Protected against mis-engagement
- Best in class vibration and power capability



## AVAILABLE CONFIGURATIONS

Terminal Construction	Two-piece
Locking Mechanism	Tanged / Lanced
Blade Size (mm)	12
Wire Gage Range (AWG)	7 - 2
Wire Gage Range (mm <sup>2</sup> )	10 - 35
Genders	Female
Sealing Options	Cable Sealed
Plating Options	Sn, Ag
Mating Tab Dimension (mm)	12 x 0.8

See back page for representative part numbers and packaging dimensions.

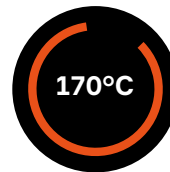


## TECHNICAL CHARACTERISTICS

Contact Resistance	< 5 mΩ
Contact Mating Force	< 17 N
Contact Unmating Force	> 4 N
Mating Cycles	20 (Sn) / 20 (Ag)



MAX  
TEMP



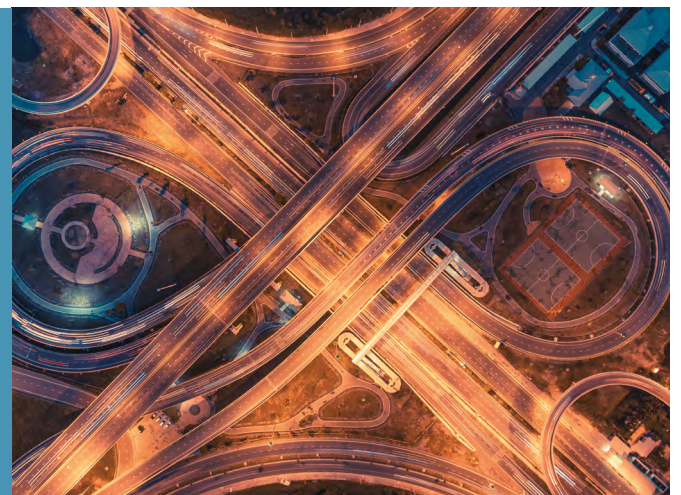
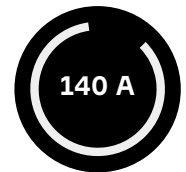
Ag



MAX  
VIBRATION



MAX CURRENT  
AT 23°C



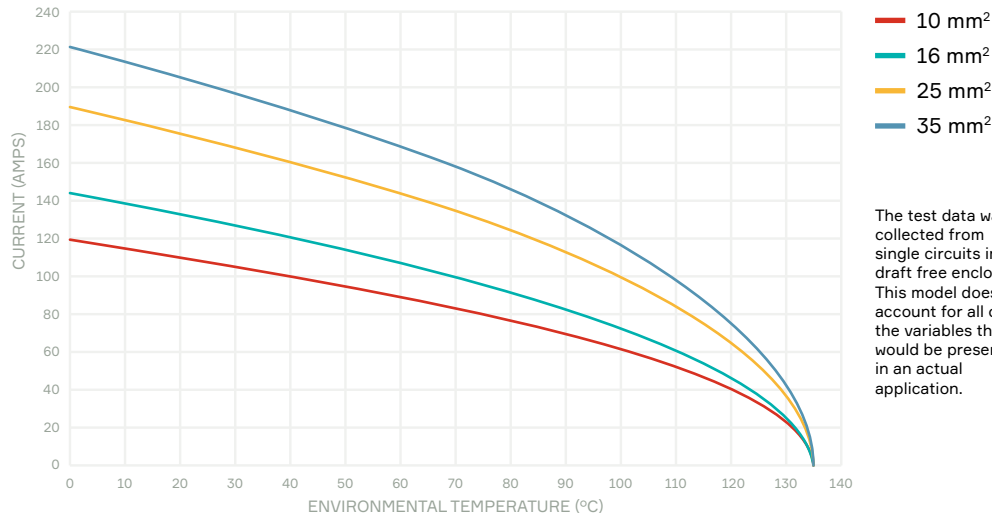
Sealing	Gender	Plating	Wire size range (AWG)	Wire size range (mm <sup>2</sup> )	Part number	Other available platings	Other available configurations
Cable Sealed	F	Sn	7 - 2	10 - 35	33312673	Ag	90° version

## DERATING CURVES

Cable range: 10 - 35 mm<sup>2</sup>  
 Crimp method: Standard  
 Contact plating: Sn  
 Test method: Single circuit in free air\*  
 Mated to: Tab 12 x 0.8

\* For reference only

90° & 180° version  
 for 0.8 mm blade thickness



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.

- |                             |                            |                                 |                                |                          |
|-----------------------------|----------------------------|---------------------------------|--------------------------------|--------------------------|
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| Ангарск (3955)60-70-56      | Ижевск (3412)26-03-58      | Москва (495)268-04-70           | Ростов-на-Дону (863)308-18-15  | Тольятти (8482)63-91-07  |
| Архангельск (8182)63-90-72  | Иркутск (395)279-98-46     | Мурманск (8152)59-64-93         | Рязань (4912)46-61-64          | Томск (3822)98-41-53     |
| Астрахань (8512)99-46-04    | Казань (843)206-01-48      | Набережные Челны (8552)20-53-41 | Самара (846)206-03-16          | Тула (4872)33-79-87      |
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| Владикавказ (8672)28-90-48  | Кострома (4942)77-07-48    | Орел (4862)44-53-42             | Смоленск (4812)29-41-54        | Чебоксары (8352)28-53-07 |
| Владимир (4922)49-43-18     | Краснодар (861)203-40-90   | Оренбург (3532)37-68-04         | Сочи (862)225-72-31            | Челябинск (351)202-03-61 |
| Волгоград (844)278-03-48    | Красноярск (391)204-63-61  | Пенза (8412)22-31-16            | Ставрополь (8652)20-65-13      | Череповец (8202)49-02-64 |
| Вологда (8172)26-41-59      | Курск (4712)77-13-04       | Петрозаводск (8142)55-98-37     | Сургут (3462)77-98-35          | Чита (3022)38-34-83      |
| Воронеж (473)204-51-73      | Курган (3522)50-90-47      | Псков (8112)59-10-37            | Сыктывкар (8212)25-95-17       | Читка (4112)23-90-97     |
| Екатеринбург (343)384-55-89 | Липецк (4742)52-20-81      |                                 | Тамбов (4752)50-40-97          | Ярославль (4852)69-52-93 |

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