SICMA 2.8 SERIES

SICMA 2.8
Female & Male Terminals

BENEFITS

- Optimized design to keep stable contact pressure
- Standard terminal cavity compatibility

FEATURES

- Clean body design, preventing tearing of mat seal
- One-piece construction with high pressure contact
- Several crimping gauges for strong slow motion and vibration performance

AVAILABLE CONFIGURATIONS

Terminal Construction	One-piece
Locking Mechanism	Tangless / Lanceless
Crimp Validated to	RSA, PSA, Ford, Hyundai, GM
Blade Size (mm)	2.8
Wire Gage Range (AWG)	22 - 14
Wire Gage Range (mm²)	0.35 - 2.5
Genders	Female, Male
Sealing Options	Unsealed, Mat Sealed, Cable Sealed
Plating Options	Sn, SnAg, Au
Mating Tab Dimension (mm)	2.8 x 0.8

See back page for representative part numbers and packaging dimensions.
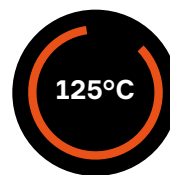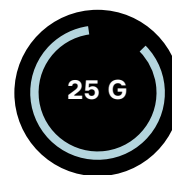
TECHNICAL CHARACTERISTICS

Contact Resistance	< 3 mΩ
Contact Mating Force	< 6 N
Contact Unmating Force	> 1.5 N
Mating Cycles	10
Cavity Pullout Force	120 N
Center Line Spacing	5 mm

MAX TEMP 125°C

MAX VIBRATION 25 G

MAX CURRENT AT 23°C 33 A

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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• A P T I V •

Sealing	Gender	Plating	Wire size range (AWG)	Wire size range (mm²)	Part number	Other available platings
Unsealed	F	Sn	22 - 18	0.35 - 0.70	10781041	SnAg, Au
Unsealed	F	Sn	18 - 16	0.75 - 1.30	15522621	SnAg, Au
Unsealed	F	Sn	16 - 12	1.35 - 2.5	10725649	SnAg, Au
Unsealed	M	Sn	22 - 18	0.35 - 0.75	10779316	-
Unsealed	M	Sn	18 - 12	1.0 - 2.5	10756743	-
Cable Sealed	F	Sn	22 - 18	0.35 - 0.70	10740375	-
Cable Sealed	F	Sn	18 - 16	0.75 - 1.30	13873373	-
Cable Sealed	F	Sn	16 - 12	1.35 - 2.5	10740376	-
Cable Sealed	M	Sn	22 - 18	0.35 - 0.75	10781143	-
Cable Sealed	M	Sn	18 - 12	1.0 - 2.5	10793682	-

COMPATIBLE SEALS

Type	Applicable wire size (mm²)	Color	Part number
Cable Seal	0.35 - 0.70	Red	15327786
Cable Seal	0.75 - 1.30	Brown	13578695
Cable Seal	1.35 - 2.50	Blue	10757056

DERATING CURVE

Cable range: 0.35 - 2.5 mm²
Crimp method: Standard
Contact plating: Sn
Test method: Single circuit in free air*
Mated to: SICMA Male Tab

* For reference only

Legend: 0.35 mm², 0.50 mm², 0.75 mm², 1.0 mm², 1.5 mm², 2.0 mm², 2.5 mm²

X-axis: ENVIRONMENTAL TEMPERATURE (ºC)
Y-axis: CURRENT (AMPERES)
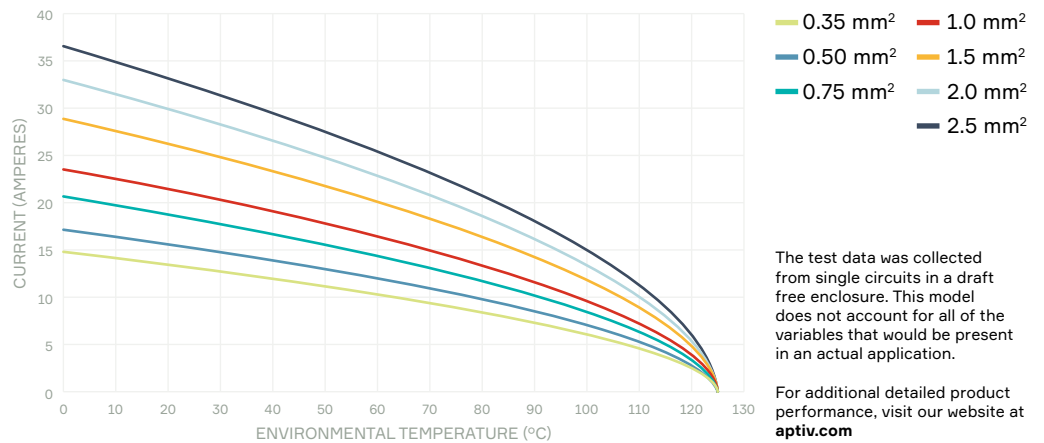
The test data was collected from single circuits in a draft free enclosure. This model does not account for all of the variables that would be present in an actual application.

For additional detailed product performance, visit our website at **aptiv.com**

COMPATIBLE WITH SICMA HOUSINGS

SICMA Inline Sealed Series 24 Way (Mixed)

SICMA Inline Unsealed Series 24 & 36 Way (Mixed)

SICMA Header Interconnect Sealed Series 6 & 24 Way (Mixed)

SICMA Sealed Relay Sockets 8 Way (Mixed)

SICMA Mini-Sealed Series 6 Way (Mixed)

SICMA Panel-Through Sealed Series 14, 24, 26, 33, 34 Way (Mixed)

SICMA Panel-Through Unsealed Series 24, 29, 42 Way (Mixed)

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-SP60-SICMA-En0221