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**Part Number:** [0428170012](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Sr.™ Power Connectors](#)  
**Description:** [Mini-Fit Sr.™ Crimp Terminal, Male, 10-12 AWG, Gold \(Au\)](#)

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary TS-42815-001 (PDF)</a>
<a href="#">Product Specification PS-42815-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Packaging Specification PK-42815-001 (PDF)</a>	

**General**

Product Family	Crimp Terminals
Series	<a href="#">42817</a>
Application	Power
Comments	High Current/Low Force See Product Specification for maximum current rating by circuit size and application.
Crimp Quality Equipment	Yes
MolexKits	Yes
Overview	<a href="#">Mini-Fit Sr.™ Power Connectors</a>
Product Name	Mini-Fit Sr.™
UPC	800756491561

**Physical**

Gender	Male
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold over Nickel
Material - Plating Termination	Tin over Nickel
Net Weight	1.390/g
Packaging Type	Reel
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	5.30mm max.
Wire Size AWG	10, 12
Wire Size mm²	N/A

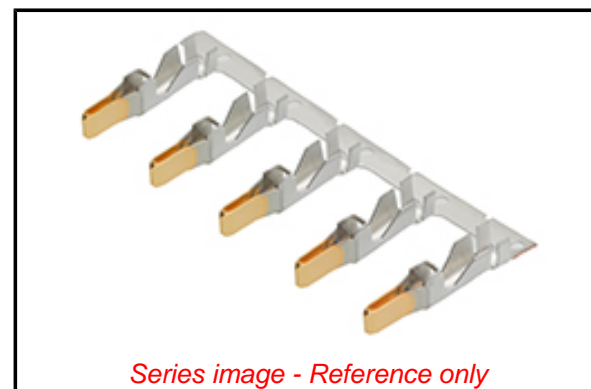
**Electrical**

Current - Maximum per Contact	50.0A
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**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	<a href="#">PK-42815-001</a>
Product Specification	<a href="#">PS-42815-001</a> , <a href="#">RPS-42815-001</a> , <a href="#">RPS-42815-011</a> , <a href="#">RPS-42815-012</a> , <a href="#">RPS-42815-013</a> , <a href="#">RPS-42815-014</a> , <a href="#">RPS-42815-015</a>
Sales Drawing	<a href="#">SD-42817-*</a>
Test Summary	<a href="#">TS-42815-001</a>



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/79/2015 (17  
December 2015)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS  
ELV

Green Image  
Not Relevant

**Search Parts in this Series**

[42817 Series](#)

**Use With**

Mini-Fit Sr.™ Plug Housings [42818](#) , [43938](#)

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

**Description**

**Product #**

FineAdjust™  
Applicator for Mini-Fit Sr.™ Male and Female Crimp Terminals, Metric Wire Crimping only

[0639040300](#)

Mini-Mac™ Applicator	<u>0638911100</u>
Mini-Mac™ Applicator for “Mini- Fit Sr.” Terminals	<u>0638911200</u>
Hand Crimp Tool for Mini-Fit Sr.™ Male and Female Terminals, 5mm² and 6mm² Wire	<u>0638279300</u>
FineAdjust™ Applicator for Mini- Fit Sr.™ Male and Female Crimp Terminals, Metric Wire Crimping only	<u>0639040200</u>
Hand Crimper	<u>0638111600</u>
Manual Extraction Tool	<u>0638130400</u>

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