

# SC/SM Stamped & formed contacts size 16



• Rapid  
• Savings  
• High Performance

## Description

**Size 16 stamped and formed contacts for TRIM TRIO® connectors**

Size 16 SM/SC .0625" (1.6mm) diameter contacts are two piece strip formed crimp snap-in pin and sockets. These contacts consist of a crimp body made of high conductive copper alloy, and a stainless steel retaining spring featuring retention in the housing cavity and a closed entry socket to prevent probe damage.

The contact with open barrel is standard available on strip and packaged with 3000 pcs on reel. This reel packaging combined with semi or even full automatic crimp tooling provides the added advantage of a lower installed cost.

Typical features and benefits are :

- Made from high conductive copper alloy with gold or tin over nickel plate finish.
- Two piece construction with dual purpose spring which serves for contact retention and protects the body against damage.
- Contacts available on reel (standard) and in bulk packing (100 pcs).
- Suitable for automatic crimping thus lower installation cost.

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## Technical characteristics

### Electrical

- Current per contact max.: 13A
- Contact resistance:  $\leq 6 \text{ m}\Omega$
- Contact retention in body: 65 N min.
- Individual insertion force: 3.5 N max.
- Individual withdrawal force: 0.55 N min

### Construction

- Contact body: High conductive copper alloy

### Plating indication

- S6 0.75  $\mu\text{m}$  gold min. in contact area, flash on crimp barrel over nickel
- D70 (std) Gold flash all over, over nickel (standard)
- TK6 Preplated tin all over

### Connector accommodation

- Any TRIM TRIO® size 16 contact can be used in any contact position in any connector in the TRIM TRIO® size 16 interconnection system : UTP, UTS, UTG, UTO, MBG, MS-M, MSG / MB, UTV

Note : Reeled contacts are for applicator with left side feeding.

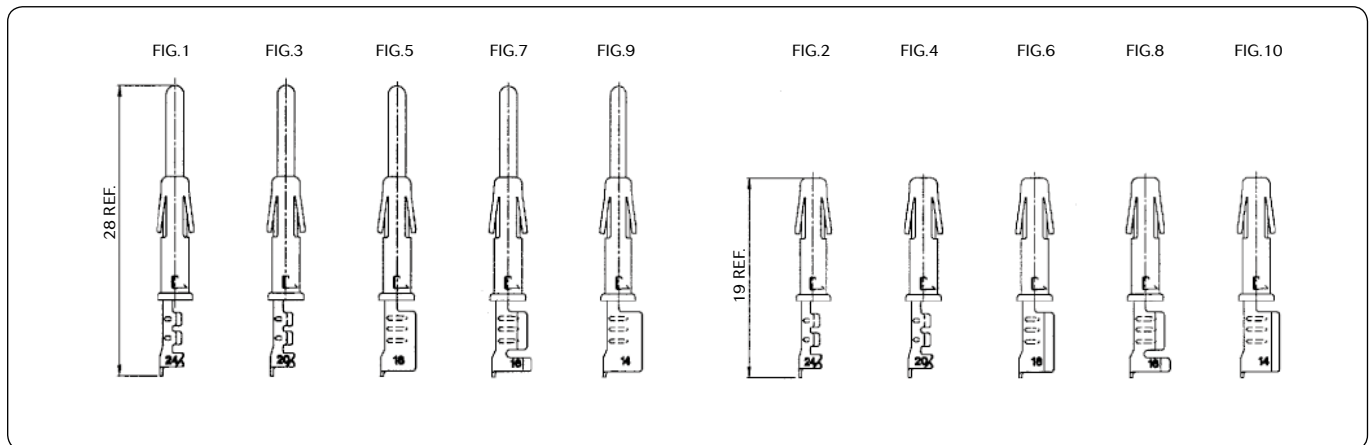
## Ordering information

Type	SM	16	M	(L)	1	S6
SM Male contact	SC	16	M	(L)	1	S6
SC Female contact						
<b>AWG size</b> : 14, 16, 20, 24						
<b>Type of crimp barrel</b> : American crimp barrel						
<b>Packing</b>						
No digit	Contacts on strip (qty 3000 per reel)					
L	Preformed loose piece contact					
<b>Design variation</b>						
1	Only wire crimp for size 14 and 16					
1	Wire + insulation crimp for sizes 20 and 24					
11	Wire + insulation crimp for size 16					
<b>Plating</b> : See plating indication						

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## Standard SM/SC crimp contacts: Contact size 16 - Pin Ø1.6mm (.063")



## Dimensional table

Part numbers : contacts on strip Loose pieces				Wire size		Insulation diameter	Wire strip length
Male contacts	Fig.	Female contacts	Fig.	AWG	mm <sup>2</sup>		
SM24M1S6 SM24ML1S6	1	SC24M1S6 SC24ML1S6	2	26 - 24	0.13 - 0.25	0.89 - 1.58	4.0
SM20M1S6 SM20ML1S6	3	SC20M1S6 SC20ML1S6	4	22 - 20	0.35 - 0.50	1.17 - 2.08	4.0
SM16M1S6 SM16ML1S6	5	SC16M1S6 SC16ML1S6	6	18 - 16	0.80 - 1.50	3.0	6.35
SM16M11S6 SM16ML11S6	7	SC16M11S6 SC16ML11S6	8	18 - 16	0.80 - 1.50	2.0 - 3.0	4.65
SM14M1S6 SM14ML1S6	9	SC14M1S6 SC14ML1S6	10	14	2.0	3.2	6.35

For other platings : See plating indication

## Crimptooling table

Size	Hand crimp tooling for loose contacts Y14MTV / Y16SCM2 die set included	Automatic crimp tooling for contacts on strip		Extraction tools
		P107 Press Mini applicator (not incl.)	(Stripper - crimper)	
24	Y14MTV or Y16SCM2	MLS0318B	SC11	RX2025GE1
20		MLS0555A		
16M(L)11		MLS0356A		
16M(L)1		MLS1579		
14		MLS1047		

For detailed information on crimp tooling: See crimp tooling section

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