## SM/SC-M



### Size 16 stamped and formed contacts for TRIM TRIO connectors

#### **Description**

Size 16 SM/SC .063" (1.6mm) diameter contacts are two piece strip formed crimp snap-in pin and sockets.

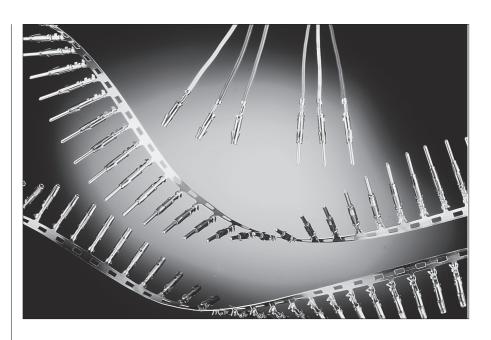
These contacts consist of a crimp body made of high conductive copper alloy, and a stainless steel retaining spring featuring retention in the housing cavity and a closed entry socket to prevent probe damage. The contact with its open barrel is standard available on srtip and packaged with 3000 pcs on reel. This reel packaging combined with semi or even full automatic crimp tooling provides the added advantage of a lower installed cost.

#### **Features and benefits**

- Made from high conductive copper alloy with gold or tin over nickel plate finish.
- Two piece construcion 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 high volumes and lower installation cost.

#### **Performance characteristics**

Current rating:	13 Amp
Contact resistance:	$\leq$ 6 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.

Outer spring: Stainless steel

#### **Plating table**

S6 = 0.75m Gold min. in contact area, flash on crimp barrel over Nickel.

D70 = Gold flash all over, over Nickel.

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.

- · MS-M / MSG / MB
- SMS Qikmate
- UTG
- UTP
- UTOMBG

#### Note:

Reeled contacts are for applicator with left side feeding.

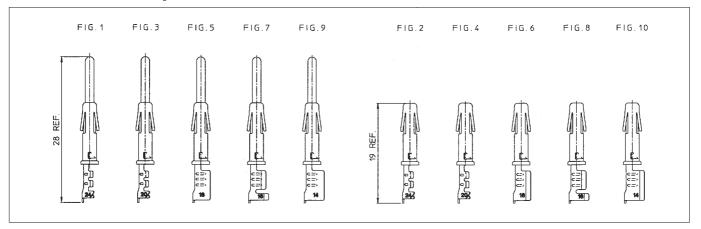
#### **How to order**

		SM SC	16 16	M	(L)	1
Contact type:	SM: Male contact SC: Female contact					
AWG Size:	14, 16, 20, 24					
Type of crimp barrel:	American open crimp ba	arrel				
Packing:	No digit: Contacts on s L: Preformed loose piece	1 1/	00 per reel)			
Design variation	1 : Only wire crimp for : Wire + insulation cri 11 : Wire + insulation cri	imp for size	s 20 and 24			
Plating indication:	See plating table					

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#### Standard SM/SC crimp contacts: Contact size 16 - Pin diameter 1.6mm (.063")



#### **Dimensional table**

Part number: contacts on strip Loose pieces			Wire size		Insulation	NAT	
Pin contacts	Fig.	Socket contacts	Fig.	AWG	mm²	diameter	Wire strip length
SM24M1S6	1	SC24M1S6	2	26 - 24	0.13 - 0.25	0.89 - 1.58	4.0
SM24ML1S6		SC24ML1S6					
SM20M1S6	3	SC20M1S6	4	22 - 20	0.35 - 0.50	1.17 - 2.08	4.0
SM20ML1S6		SC20ML1S6					
SM16M1S6	5	SC16M1S6	6	18 - 16	0.80 - 1.50	2.0 - 3.0	4.65
SM16ML1S6		SC16ML1S6					
SM16M11S6	7	SC16M11S6	8	18 - 16	0.80 - 1.50	3.0	6.35
SM16ML11S6		SC16ML11S6					
SM14M1S6	9	SC14M1S6	10	14	2.0 - 2,5	3.2	6.35
SM14ML1S6		SC14ML1S6					

For other platings: See plating table.

#### **Crimptooling table**

	Hand crimp tooling	for loose contacts	Automatic c contact	Extraction	
Size	Hand tools die set included	M8ND Die set (not included)	P100 MAN Mini Applicator (not included)	K750 ASC (Stripper - crimper) Mini Applicator (not included)	tooling
24	y16SCM2 (ratchet)	N24RT11	MLS0318B	MLS24M1	
20	y 14SCM2 (not ratchet) y 14MTV (ratchet)	N20RT29	MLS0555A	MLS20M1	
16M(L)11	y16SCM2 (ratchet) y14SCM2 (not ratchet)	N16RT26	MLS0356A	MLS16M11	RX2025GE1 or
16M(L)1	y 14SCM (ratchet) y 14MTV (ratchet)	N16RT24	MLS1579	MLS16M1	RX2025GE2 or
14	y 14SCM (ratchet) y 14MTV (ratchet)	N 14RT 13	MLS1047	MLS14M1	RX16D11D1

For detailed information on crimp tooling : See crimp tooling section