

SC/SM Stamped & formed contacts size 16



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 table

- S6 0.75 μm 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.

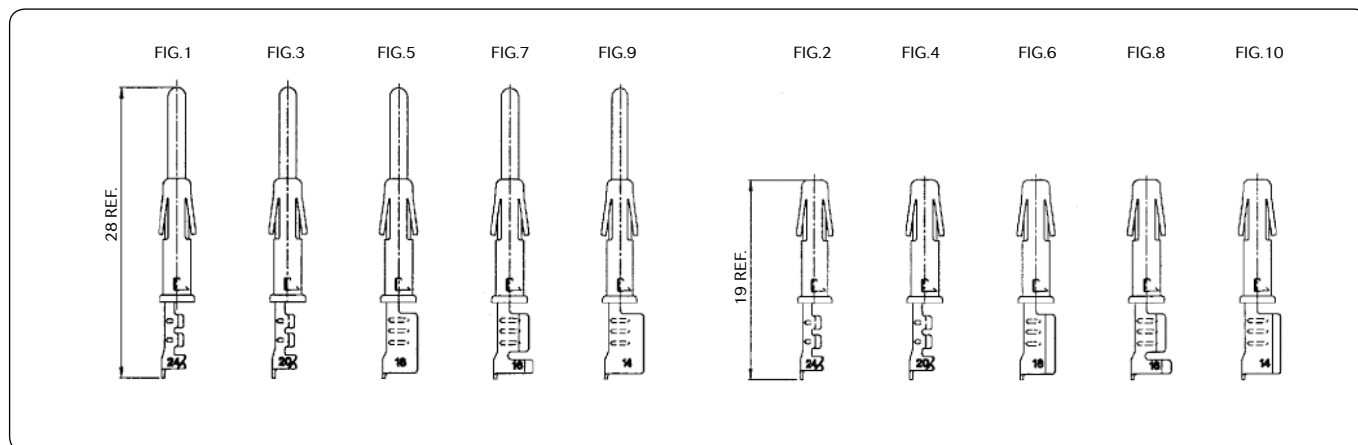
Ordering information

Type	SM	16	M	(L)	1	S6
SM Male contact	SC	16	M	(L)	1	S6
SC Female contact						
AWG size : 14, 16, 20, 24						
Type of crimp barrel : American crimp barrel						
Packing						
No digit Contacts on strip (qty 3000 per reel)						
L Preformed loose piece contact						
Design variation						
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						
Plating indication : See plating table						

UTS : Your first choice in waterproof connectors !

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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 ²		
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 table

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

Note : all dimensions are in mm

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Mouser Electronics

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