



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Pushing Performance

HARTING Han-GoldTec[®] Contacts



Features

Han-GoldTec® contacts establish a new technology in contact surface finishing. The Han-GoldTec® surface is composed of a durable nickel-phosphorous-alloy, plated with gold. This multiple-layer surface guarantees reliable connections.

Han-GoldTec® contacts have the same excellent features as the well-known gold plated contacts. Tough testing of the new surface proved conclusively that it is extremely resistant and durable.

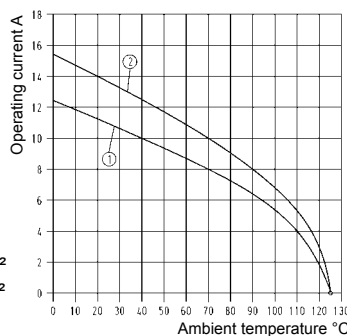
The new Han-GoldTec® contacts assure as did the former gold plated contacts the longterm availability of your machines and installations.

- Corrosion free even after extreme exposure to sulfur, nitrogen and chlorine (EN 60068)
- Extremely robust - the gold surface is not damaged after 500 mating cycles
- All standards requirements concerning power and data transmission are met conclusively (EN 61 984)
- Available for all contacts with crimp terminal up to 16 A rated current

Derating Diagram

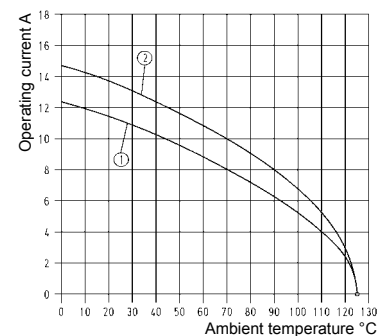
The current carrying capacity is as high as gold plated contacts.

Han D® and Han E® contacts with gold plated surface



1 = Han D®, wire gauge 1 mm²
2 = Han E®, wire gauge 1 mm²

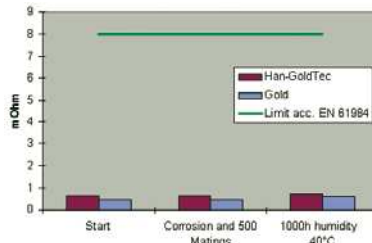
Han D® and Han E® contacts with GoldTec surface



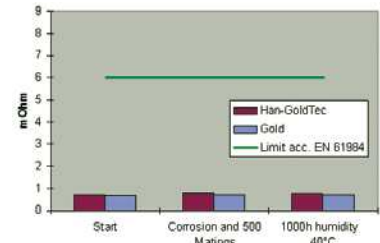
Contact Resistance

Low contact resistance guarantees a safe and reliable data transfer.

Contact resistance Gold - GoldTec Han D® contacts



Contact resistance Gold - GoldTec Han E® contacts



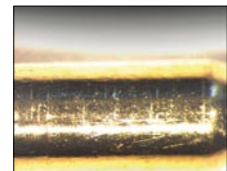
Mechanical Working Life

The well-known robustness and durability of GoldTec contacts guarantee a high degree of availability your machines and installations.

Han D® contacts with GoldTec surface after 500 mating cycles.



Han E® contacts with GoldTec surface after 500 mating cycles.



Technical Details

Standards
IEC 60 512
EN 60 068
EN 61 984
IEC 60 664

Han D®
Material: copper alloy
Surface: gold plated on NiP alloy
Contact resistance: ≤ 3 mΩ
Crimp terminal: 0.14 - 2.5 mm²
AWG 26 - 14
Operating current: 10 A

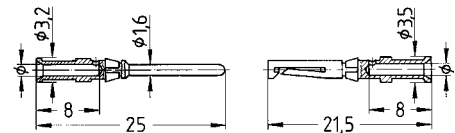
Han E®
Material: copper alloy
Surface: gold plated on NiP alloy
Contact resistance: ≤ 1 mΩ
Crimp terminal: 0.14 - 4 mm²
AWG 26 - 12
Operating current: 16 A

Identification	Wire gauge mm ²	Part-Number		Drawing	Dimensions in mm
		Male insert	Female insert		

Han D® contacts



Wire gauge mm ²	Male insert	Female insert
0.14-0.37	09 15 000 6304	09 15 000 6404
0.5	09 15 000 6303	09 15 000 6403
0.75	09 15 000 6305	09 15 000 6405
1.0	09 15 000 6302	09 15 000 6402
1.5	09 15 000 6301	09 15 000 6401
2.5	09 15 000 6306	09 15 000 6406



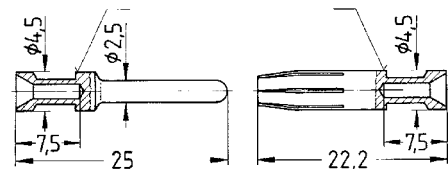
Wire gauge		ø mm		Stripping length
mm ²	AWG	m	f	
0.14-0.37	26-22	0.90	0.90	8 mm
0.5	20	1.15	1.15	8 mm
0.75	18	1.30	1.30	8 mm
1.0	18	1.45	1.45	8 mm
1.5	16	1.80	1.80	8 mm
2.5	14	2.25	2.25	6 mm

Identification	Wire gauge mm ²	Part-Number		Drawing	Dimensions in mm
		Male insert	Female insert		

Han E® contacts



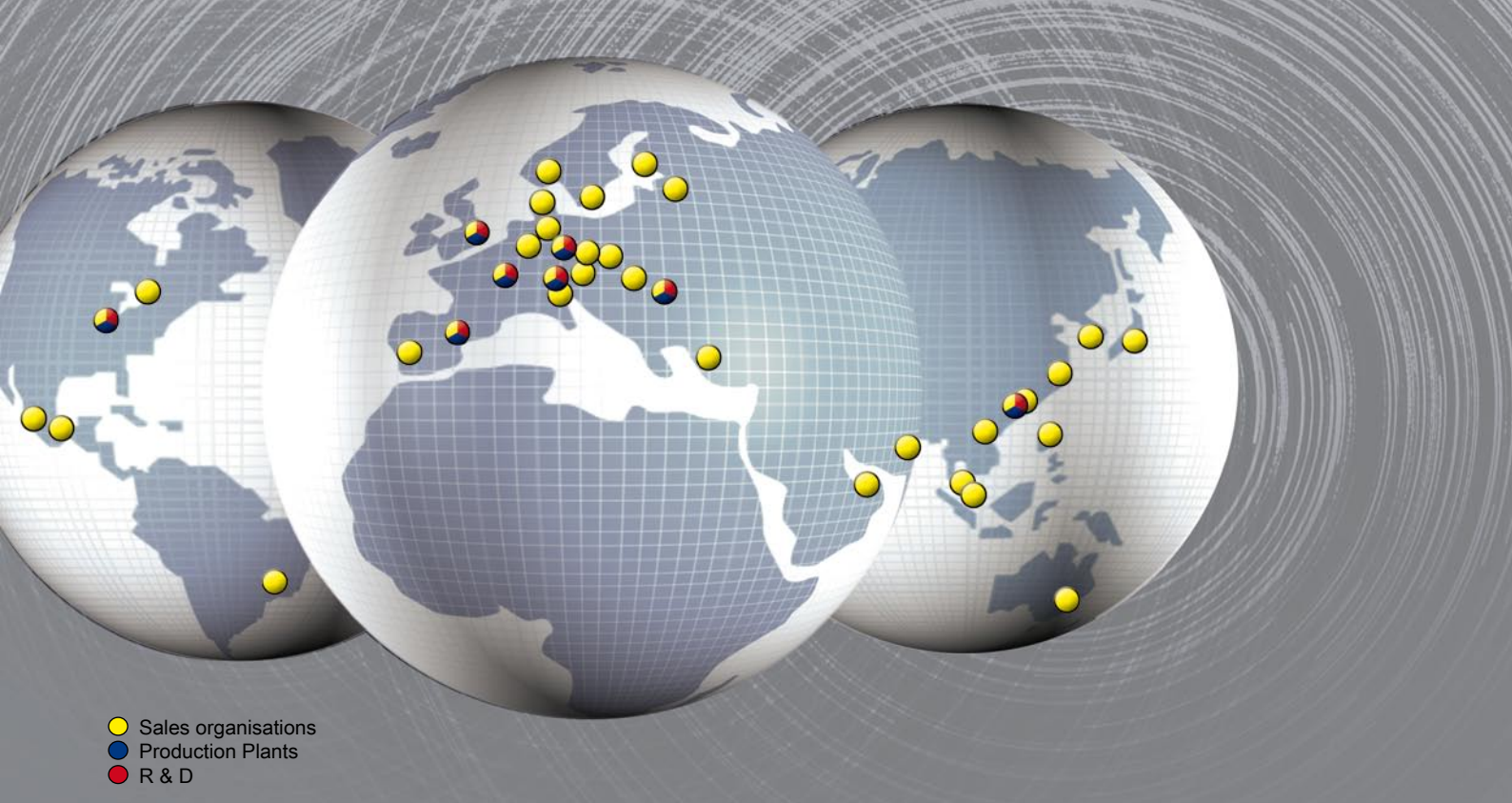
Wire gauge mm ²	Male insert	Female insert
0.14-0.37	09 33 000 6327	09 33 000 6427
0.5	09 33 000 6320	09 33 000 6420
0.75	09 33 000 6314	09 33 000 6414
1.0	09 33 000 6305	09 33 000 6405
1.5	09 33 000 6304	09 33 000 6404
2.5	09 33 000 6302	09 33 000 6402
4.0	09 33 000 6307	09 33 000 6407



Identification of the crimp contacts

Identifica- tion	Wire gauge		Stripping length
no groove	0.14-0.37 mm ²	AWG 26-22	7.5 mm
no groove	0.5 mm ²	AWG 20	7.5 mm
1 groove*	0.75 mm ²	AWG 18	7.5 mm
1 groove	1 mm ²	AWG 18	7.5 mm
2 grooves	1.5 mm ²	AWG 16	7.5 mm
3 grooves	2.5 mm ²	AWG 14	7.5 mm
no groove	4 mm ²	AWG 12	7.5 mm

*on the back crimp collar



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