

HARTING Electric



Han[®]-GoldTec Contacts

A new Generation of Contacts



People | Power | Partnership

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. Using less Gold means independency of rising Gold prices.

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.

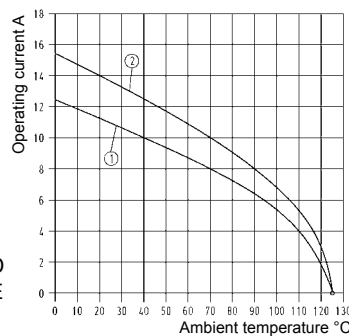
The new Han[®]-GoldTec contacts assure as did the former gold plated contacts the longterm availability of your machines and installations.

- 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.

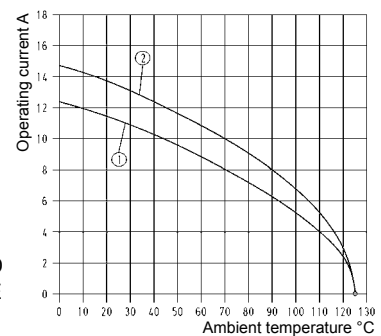
Derating Diagram

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

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



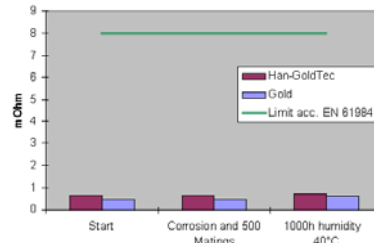
Han[®] D and Han[®] E contacts with GoldTec surface



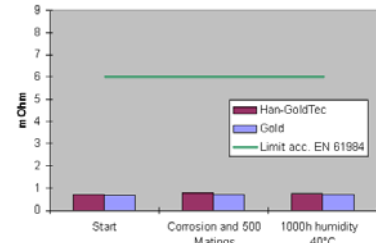
Contact Resistance

Low contact resistance guarantees a safe data transfer even after many years.

Contact resistance Gold - GoldTec Han[®] D contacts



Contact resistance Gold - GoldTec Han[®] E contacts



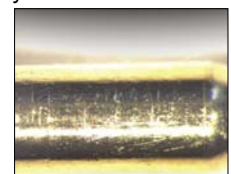
Mechanical Working Life

The well-known robustness and durability of GoldTec contacts guarantee a long working life for your machines and installations.

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



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


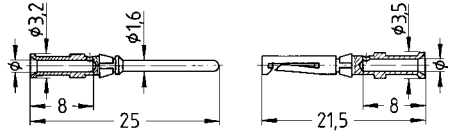



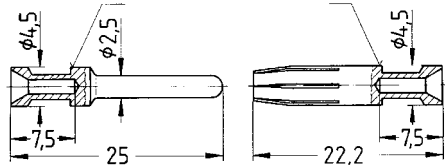
Technical Details

Standards
IEC 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 contact	Female contact																														
Han[®] D contacts 	0.14-0.37	09 15 000 6304	09 15 000 6404		<table border="1"> <thead> <tr> <th>Wire gauge</th> <th></th> <th>∅</th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>0.14-0.37 mm²</td> <td>AWG 26-22</td> <td>0.90 mm</td> <td>8 mm</td> </tr> <tr> <td>0.5 mm²</td> <td>AWG 18</td> <td>1.10 mm</td> <td>8 mm</td> </tr> <tr> <td>0.75 mm²</td> <td>AWG 18</td> <td>1.30 mm</td> <td>8 mm</td> </tr> <tr> <td>1 mm²</td> <td>AWG 16</td> <td>1.45 mm</td> <td>8 mm</td> </tr> <tr> <td>1.5 mm²</td> <td>AWG 14</td> <td>1.75 mm</td> <td>8 mm</td> </tr> <tr> <td>2.5 mm²</td> <td>AWG 12</td> <td>2.25 mm</td> <td>6 mm</td> </tr> </tbody> </table>	Wire gauge		∅	Stripping length	0.14-0.37 mm ²	AWG 26-22	0.90 mm	8 mm	0.5 mm ²	AWG 18	1.10 mm	8 mm	0.75 mm ²	AWG 18	1.30 mm	8 mm	1 mm ²	AWG 16	1.45 mm	8 mm	1.5 mm ²	AWG 14	1.75 mm	8 mm	2.5 mm ²	AWG 12	2.25 mm	6 mm
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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																															

Identification	Wire gauge mm ²	Part-Number		Drawing	Dimensions in mm																																
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Han[®] E contacts 	0.14-0.37	09 33 000 6327	09 33 000 6427		<p>Identification of the crimp contacts</p> <table border="1"> <thead> <tr> <th>Identification</th> <th>Wire gauge</th> <th></th> <th>Stripping length</th> </tr> </thead> <tbody> <tr> <td>no groove</td> <td>0.14-0.37 mm²</td> <td>AWG 26-22</td> <td>7.5 mm</td> </tr> <tr> <td>no groove</td> <td>0.5 mm²</td> <td>AWG 20</td> <td>7.5 mm</td> </tr> <tr> <td>1 groove*</td> <td>0.75 mm²</td> <td>AWG 18</td> <td>7.5 mm</td> </tr> <tr> <td>1 groove</td> <td>1 mm²</td> <td>AWG 18</td> <td>7.5 mm</td> </tr> <tr> <td>2 grooves</td> <td>1.5 mm²</td> <td>AWG 16</td> <td>7.5 mm</td> </tr> <tr> <td>3 grooves</td> <td>2.5 mm²</td> <td>AWG 14</td> <td>7.5 mm</td> </tr> <tr> <td>no groove</td> <td>4 mm²</td> <td>AWG 12</td> <td>7.5 mm</td> </tr> </tbody> </table>	Identification	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
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2.5	09 33 000 6302	09 33 000 6402																																			
4.0	09 33 000 6307	09 33 000 6407																																			

*on the back crimp collar

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