

Han[®] Thermocouple



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Han D[®] crimp contacts



Features

- Suitable for Han D[®] / DD[®] inserts
- Can be combined with standard crimp contacts in one connector if needed
- Iron and constantan contacts according to IEC 60584 type J
- According to EUROMAP 14, Part 1

Technical characteristics

Material (contact) iron, constantan

Specifications and approvals


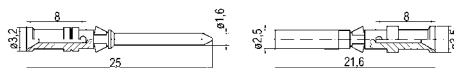

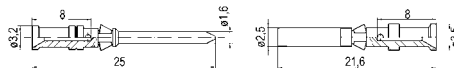
IEC 61984
IEC 60664-1

Details

Crimping tools see chapter 90

Remarks on the crimp technique

The wire gauges mentioned in the catalogue refer to geometric wire gauges of cables.

Identification	Wire cross section (mm ²)	Part number		Drawing Dimensions in mm
		male	female	
Han D [®] , Crimp contact, iron, gold plated contacts, contact resistance ≤1 mOhm 	0.14–0.37	09 15 000 6171	09 15 000 6271	 Identification acc. to IEC 60584 type J
Han D [®] , Crimp contact, constantan, not coated contacts, contact resistance ≤1 mOhm 	0.14–0.37	09 15 000 6161	09 15 000 6261	 Identification acc. to IEC 60584 type J

Thermo-couple

Han E® crimp contacts



Features

- Suitable for Han E®, Han® EE / EEE, Han® Q and Han A® inserts
- Can be combined with standard crimp contacts in one connector if needed
- Iron and constantan contacts according to IEC 60584 type J
- According to EUROMAP 14, Part 1

Technical characteristics

Material (contact) constantan, iron

Specifications and approvals


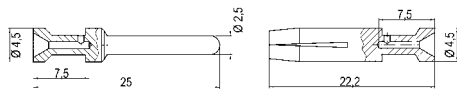

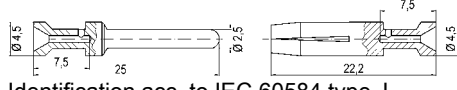
IEC 61984
IEC 60664-1

Details

Crimping tools see chapter 90

Remarks on the crimp technique

The wire gauges mentioned in the catalogue refer to geometric wire gauges of cables.

Identification	Wire cross section (mm ²)	Part number		Drawing Dimensions in mm
		male	female	
Han E®, Crimp contact, constantan, not coated contacts, contact resistance ≤1 mOhm 	0.14–0.37 0.5	09 33 000 6163 09 33 000 6162	09 33 000 6263 09 33 000 6262	 <p>Identification acc. to IEC 60584 type J</p>
Han E®, Crimp contact, iron, gold plated contacts, contact resistance ≤1 mOhm 	0.14–0.37 0.5	09 33 000 6173 09 33 000 6172	09 33 000 6273 09 33 000 6272	 <p>Identification acc. to IEC 60584 type J</p>

Thermo-couple

Han A[®] screw termination

Features

- Connector for temperature measurement conductors - Suitable for injection moulding machines
- Iron and constantan contacts according to IEC 60584 type J
- According to EUROMAP 14, Part 1

Technical characteristics

Contacts	16
Electrical data acc. to IEC 61984	16 A 250 V 4 kV 3
Rated current	16 A
Rated voltage	250 V
Rated impulse voltage	4 kV
Pollution degree	3
Rated voltage acc. to UL	600 V
Insulation resistance	≥10 ¹⁰ Ohm
Limiting temperatures	-40 °C ... 125 °C
Flammability (insert) acc. to UL 94	V 0
Mating cycles	≥500
Tightening torque	0.5 Nm
Material (insert)	polycarbonate
Colour (insert)	RAL 7032 (light grey)

Specifications and approvals

IEC 60664-1
IEC 61984



Han A® screw termination


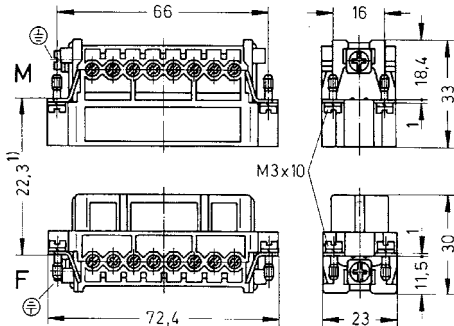
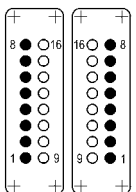
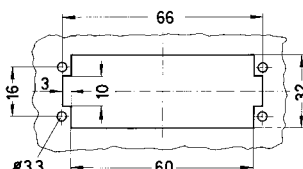
Size 16 A



Number of contacts

16+

250 V
16 A

Identification	Wire cross section (mm ²)	Part number		Drawing Dimensions in mm
		male	female	
<p>Han A®, Screw terminal</p> 	<p>1-2.5</p>	<p>09 20 016 2691</p>	<p>09 20 016 2891</p>	 <p>1) Distance for contact max. 24 mm</p>  <ul style="list-style-type: none"> ◆ Fe ○ CuNi  <p>Panel cut out for inserts for use without hoods/housings</p>

Thermo-couple

Han E[®] screw termination

Features

- Connector for temperature measurement conductors - Suitable for injection moulding machines
- Iron and constantan contacts according to IEC 60584 type J
- According to EUROMAP 14, Part 1

Technical characteristics

Contacts	10, 16, 24
Electrical data acc. to IEC 61984	16 A 400 V 6 kV 3
Rated current	16 A
Rated voltage	400 V
Rated impulse voltage	6 kV
Pollution degree	3
Insulation resistance	≥10 ¹⁰ Ohm
Limiting temperatures	-40 °C ... 125 °C
Flammability (insert) acc. to UL 94	V 0
Mating cycles	≥500
Tightening torque	0.5 Nm
Material (insert)	polycarbonate
Colour (insert)	RAL 7032 (light grey)

Specifications and approvals

IEC 60664-1
IEC 61984



Han E[®] screw termination


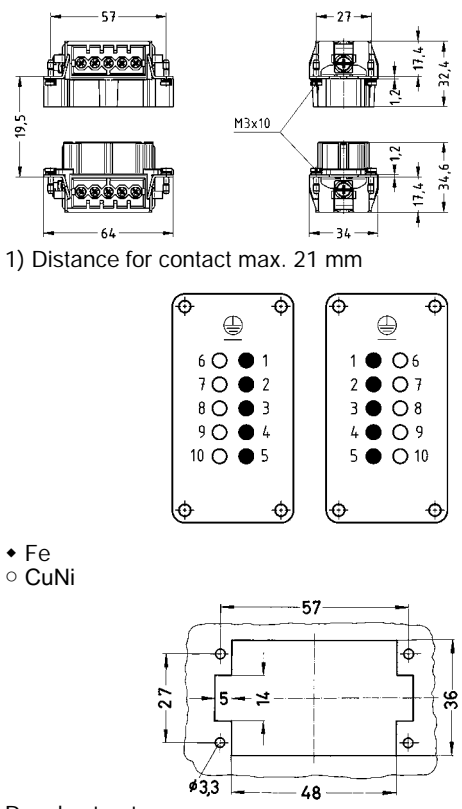
Size 10 B



Number of contacts

10+

400 V
16 A

Identification	Wire cross section (mm ²)	Part number male female		Drawing Dimensions in mm
<p>Han E[®], Screw terminal, with wire protection</p> 	<p>1–2.5</p>	<p>09 33 010 2691</p>	<p>09 33 010 2791</p>	 <p>1) Distance for contact max. 21 mm</p> <p>◆ Fe ○ CuNi</p> <p>Panel cut out</p>

Thermo-couple

Han E® screw termination

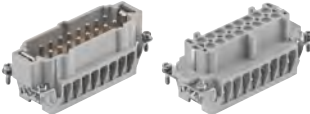
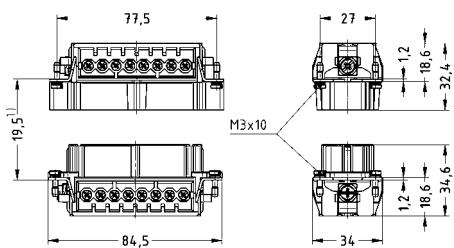
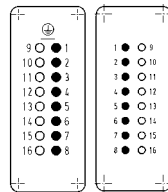
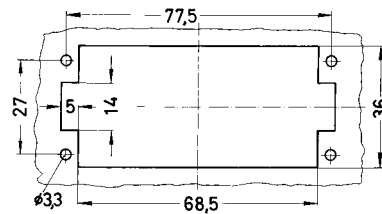
Size 16 B



Number of contacts

16+

400 V
16 A

Identification	Wire cross section (mm ²)	Part number male female		Drawing Dimensions in mm
<p>Han E®, Screw terminal, with wire protection</p> 	<p>1-2.5</p>	<p>09 33 016 2691</p>	<p>09 33 016 2791</p>	 <p>1) Distance for contact max. 21 mm</p>  <p>◆ Fe ○ CuNi</p>  <p>Panel cut out</p>

Thermo-
couple

Han E® screw termination

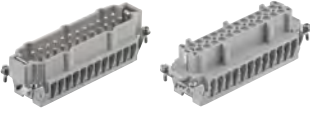
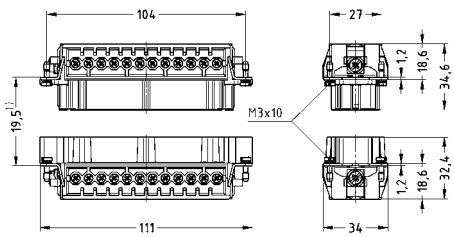
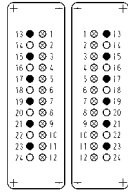

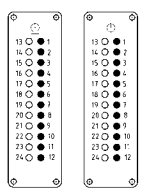
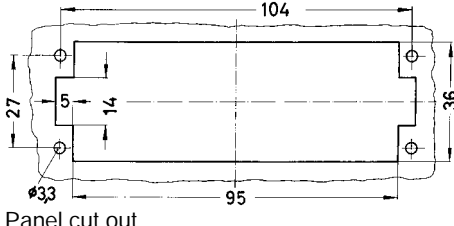
Size 24 B



Number of contacts

24+

400 V
16 A

Identification	Wire cross section (mm²)	Part number		Drawing Dimensions in mm
		male	female	
<p>Han E®, Screw terminal, with wire protection</p>  <p>also suitable for standard con- tacts</p>	1–2.5	09 33 024 2689	09 33 024 2789	 <p>1) Distance for contact max. 21 mm</p>  <p>Standard contacts ◆ Fe ○ CuNi</p>
<p>Han E®, Screw terminal, with wire protection</p> 	1–2.5	09 33 024 2691	09 33 024 2791	 <p>◆ Fe ○ CuNi</p>  <p>Panel cut out</p>

Thermo-
couple