

# Han<sup>®</sup> Thermocouple



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Thermo-  
couple

# Han D<sup>®</sup> crimp contacts



## Features

- Suitable for Han D<sup>®</sup> / DD<sup>®</sup> 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 <sup>2</sup> )	Part number		Drawing Dimensions in mm
		male	female	
Han D <sup>®</sup> , 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 <sup>®</sup> , 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

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# Han E<sup>®</sup> crimp contacts



## Features

- Suitable for Han E<sup>®</sup>, Han<sup>®</sup> EE / EEE, Han<sup>®</sup> Q and Han A<sup>®</sup> 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


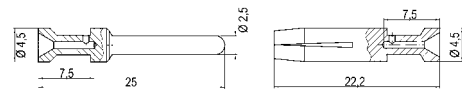

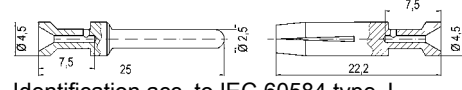
Material (contact)                      constantan, iron

## 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 <sup>2</sup> )	Part number		Drawing Dimensions in mm
		male	female	
Han E <sup>®</sup> , 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	 Identification acc. to IEC 60584 type J
Han E <sup>®</sup> , 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	 Identification acc. to IEC 60584 type J

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# Han A<sup>®</sup> 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	<b>16 A 250 V 4 kV 3</b>
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 <sup>10</sup> 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



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# Han A® screw termination


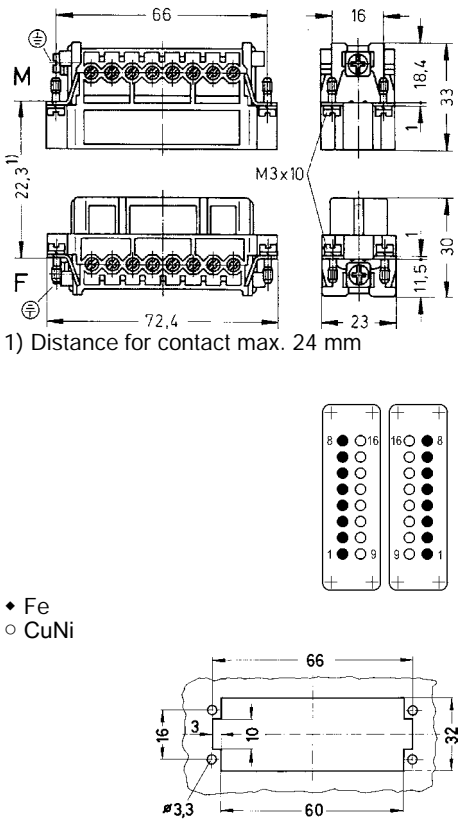
Size 16 A



Number of contacts

16+

250 V  
16 A

Identification	Wire cross section (mm²)	Part number		Drawing Dimensions in mm
		male	female	
Han A®, Screw terminal  	1-2.5	09 20 016 2691	09 20 016 2891	 <p>1) Distance for contact max. 24 mm</p> <p>◆ Fe ○ CuNi</p> <p>Panel cut out for inserts for use without hoods/housings</p>

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# Han E<sup>®</sup> 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	<b>16 A 400 V 6 kV 3</b>
Rated current	16 A
Rated voltage	400 V
Rated impulse voltage	6 kV
Pollution degree	3
Insulation resistance	≥10 <sup>10</sup> 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



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# Han E<sup>®</sup> screw termination

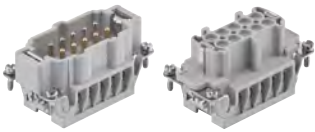
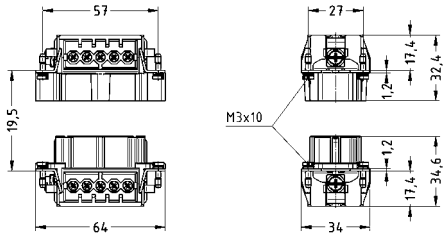
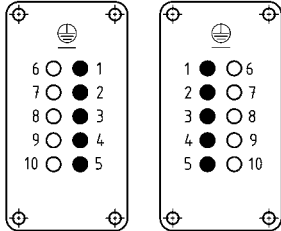
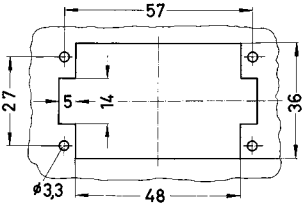
Size 10 B



Number of contacts

10+

400 V  
16 A

Identification	Wire cross section (mm <sup>2</sup> )	Part number		Drawing Dimensions in mm
		male	female	
Han E <sup>®</sup> , Screw terminal, with wire protection  	1-2.5	09 33 010 2691	09 33 010 2791	 <p>1) Distance for contact max. 21 mm</p>  <ul style="list-style-type: none"> <li>◆ Fe</li> <li>○ CuNi</li> </ul>  <p>Panel cut out</p>

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# Han E<sup>®</sup> screw termination

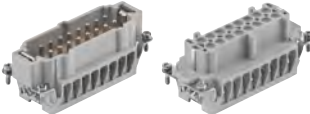
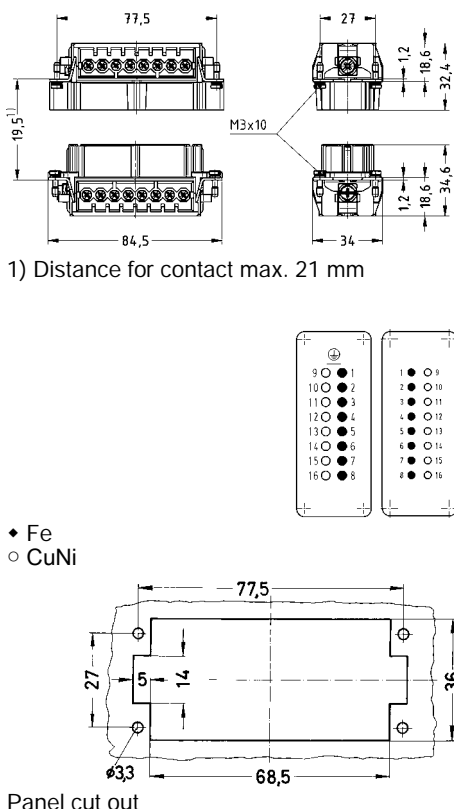
Size 16 B



Number of contacts

16+

400 V  
16 A

Identification	Wire cross section (mm <sup>2</sup> )	Part number male      female		Drawing Dimensions in mm
<p>Han E<sup>®</sup>, 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>

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# Han E<sup>®</sup> screw termination

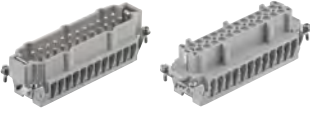
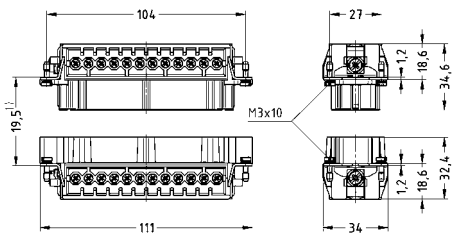
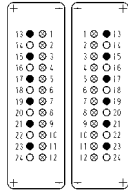

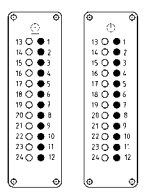
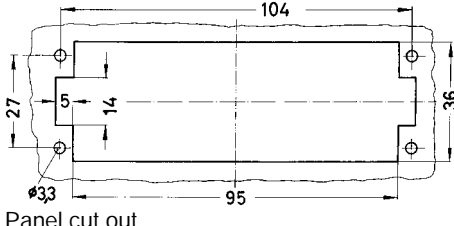
Size 24 B



Number of contacts

24+

400 V  
16 A

Identification	Wire cross section (mm <sup>2</sup> )	Part number		Drawing Dimensions in mm
		male	female	
Han E <sup>®</sup> , Screw terminal, with wire protection    also suitable for standard con- tacts	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>
Han E <sup>®</sup> , Screw terminal, with wire protection  	1-2.5	09 33 024 2691	09 33 024 2791	 <p>◆ Fe ○ CuNi</p>  <p>Panel cut out</p>

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