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## 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

Contact resistance	≤1 mΩ
Material (contacts)	Iron, Constantan compliant
RoHS	

## Specifications and approvals


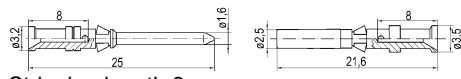
EN 60664-1  
IEC 61984

## 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	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)
		Male	Female	
Han D <sup>®</sup> , Crimp contact, Iron  Contact surface: Gold plated  	0,14 ... 0,37	09 15 000 6171	09 15 000 6271	 <p>Stripping length 8 mm</p>
Han D <sup>®</sup> , Crimp contact, Constantan  	0,14 ... 0,37	09 15 000 6161	09 15 000 6261	 <p>Stripping length 8 mm</p>

## 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

Contact resistance	≤1 mΩ
Material (contacts)	Iron, Constantan compliant
RoHS	

## Specifications and approvals


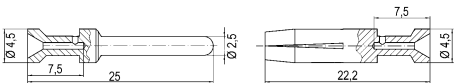

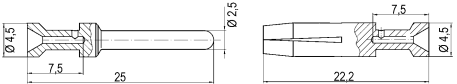
EN 60664-1  
IEC 61984

## 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	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)
		Male	Female	
Han E <sup>®</sup> , Crimp contact, Iron  Contact surface: Gold plated  	0,14 ... 0,37 0,5	09 33 000 6173 09 33 000 6172	09 33 000 6273 09 33 000 6272	 <p>Stripping length 7.5 mm</p>
Han E <sup>®</sup> , Crimp contact, Constantan  	0,14 ... 0,37 0,5	09 33 000 6163 09 33 000 6162	09 33 000 6263 09 33 000 6262	 <p>Stripping length 7.5 mm</p>

## 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

Number of 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	$\geq 10^{10} \Omega$
Limiting temperature	-40 ... +125 °C
Mating cycles	$\geq 500$
Material (insert)	Polycarbonate
Colour (insert)	RAL 7032 (pebble grey)
Material flammability class acc. to UL 94	V-0
RoHS	compliant


## Specifications and approvals

EN 60664-1  
IEC 61984  
DNV GL

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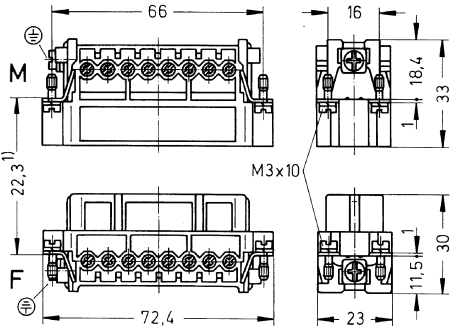
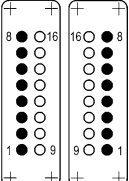
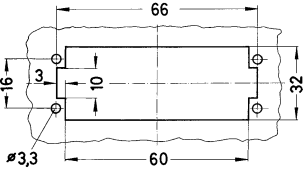
Number of contacts

# 16+



16 A 250 V 4 kV 3

Ther-  
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Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)
		Male	Female	
Han® Thermocouple , Han A®, Screw termination 	1 ... 2,5	09 20 016 2691	09 20 016 2891	 <p>1) Distance for contact max. 24 mm                      Stripping length 7.5 mm                      Tightening torque 0.5 Nm</p>  <ul style="list-style-type: none"> <li>◆ Fe</li> <li>○ CuNi</li> </ul>  <p>Panel cut out                      for use without Hoods/Housings</p>

## 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

Number of 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 <sup>10</sup> Ω
Limiting temperature	-40 ... +125 °C
Mating cycles	≥500
Material (insert)	Polycarbonate
Colour (insert)	RAL 7032 (pebble grey)
Material flammability class acc. to UL 94	V-0
RoHS	compliant with exemption, compliant
RoHS exemptions	<b>6c:</b> Copper alloy containing up to 4 % lead by weight

## Specifications and approvals

EN 60664-1  
IEC 61984  
DNV GL

## Details

Tightening torque 0.5 Nm

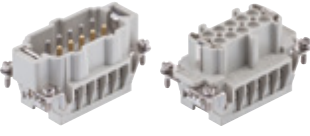
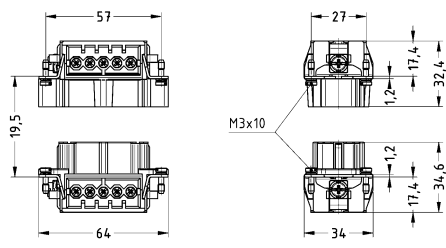
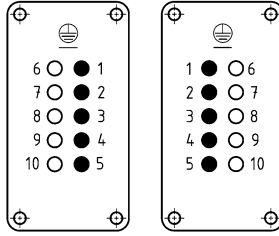
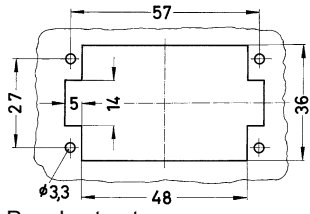
Tightening torque PE screw 1.2 Nm

Number of contacts

# 10+

16 A 400 V 6 kV 3


Ther-  
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Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)
		Male	Female	
Han <sup>®</sup> Thermocouple , Han E <sup>®</sup> , Screw termination, 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>




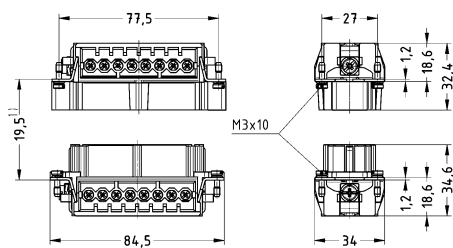
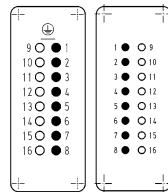
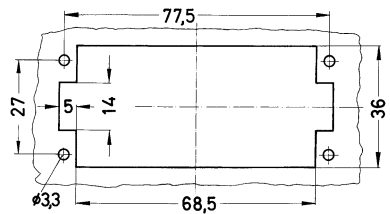
Number of contacts

# 16+



16 A 400 V 6 kV 3

Ther-  
mo

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)
		Male	Female	
Han <sup>®</sup> Thermocouple , Han E <sup>®</sup> , Screw termination, With wire protection 	1 ... 2,5	09 33 016 2691	09 33 016 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>

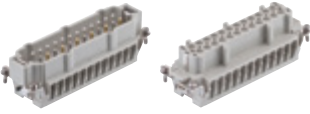
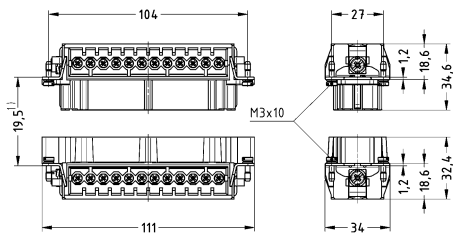
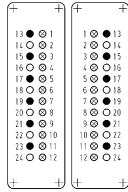

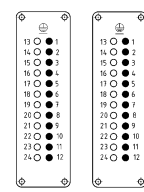
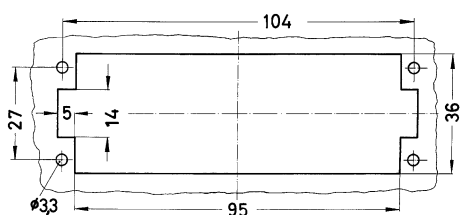


Number of contacts

# 24+

16 A 400 V 6 kV 3

Ther-  
mo

Identification	Conductor cross-section (mm <sup>2</sup> )	Part number		Drawing (dimensions in mm)
		Male	Female	
<p>Han<sup>®</sup> Thermocouple , Han E<sup>®</sup>, Screw termination, With wire protection</p>  <p>Also suitable for standard contacts</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<sup>®</sup> Thermocouple , Han E<sup>®</sup>, Screw termination, With wire protection</p> 	1 ... 2,5	09 33 024 2691	09 33 024 2791	 <p>◆ Fe                      ○ CuNi</p>  <p>Panel cut out</p>