Han® Thermocouple

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

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

Specifications and approvals

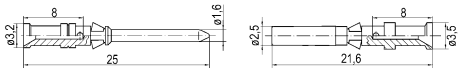
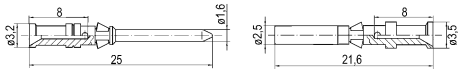
EN 60664-1
IEC 61984

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 (mm²)	Part number Male	Part number Female	Drawing (dimensions in mm)
Han D®, Crimp contact, Iron Contact surface: Gold plated 	0.14 ... 0.37	09 15 000 6171	09 15 000 6271	 Stripping length 8 mm
Han D®, Crimp contact, Constantan 	0.14 ... 0.37	09 15 000 6161	09 15 000 6261	 Stripping length 8 mm

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

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

Specifications and approvals

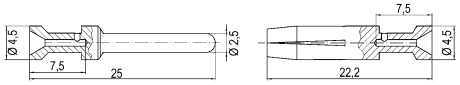
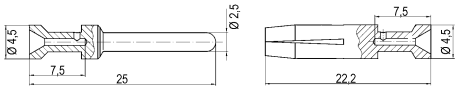
EN 60664-1
IEC 61984

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 (mm²)	Part number Male	Part number Female	Drawing (dimensions in mm)
Han E®, 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	 Stripping length 7.5 mm
Han E®, 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	 Stripping length 7.5 mm

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

Number of contacts	16
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} 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

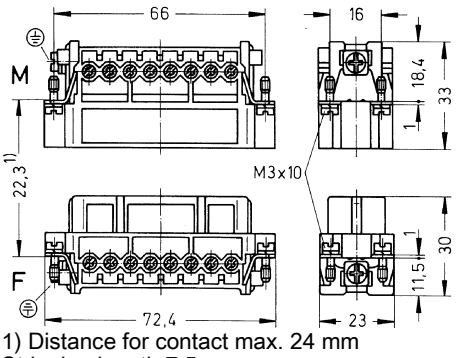
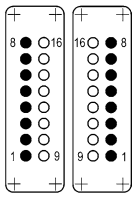
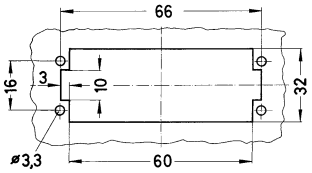
Specifications and approvals

EN 60664-1
IEC 61984
DNV GL

Number of contacts

16+ ⏚

16 A 250 V 4 kV 3

Identification	Conductor cross-section (mm²)	Part number Male	Part number Female	Drawing (dimensions in mm)
Han® Thermocouple, Han A®, Screw termination 	1 ... 2.5	09 20 016 2691	09 20 016 2891	 1) Distance for contact max. 24 mm Stripping length 7.5 mm Tightening torque 0.5 Nm  ◆ Fe ○ CuNi  Panel cut out for use without Hoods/Housings

Han E® screw termination

Ther-
mo

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
Rated current	16 A
Rated voltage	400 V
Rated impulse voltage	6 kV
Pollution degree	3
Insulation resistance	≥10^{10} 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	**6c:** Copper alloy containing up to 4 % lead by weight

Specifications and approvals

EN 60664-1
IEC 61984
DNV GL

Details

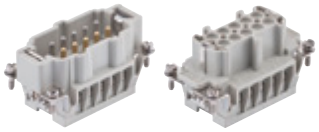
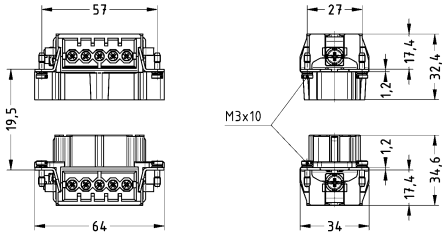
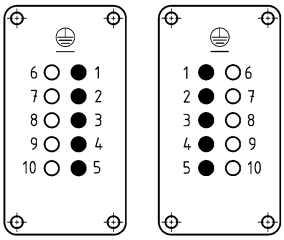
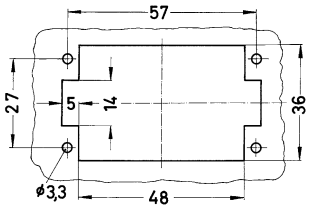
Tightening torque 0.5 Nm

Tightening torque PE screw 1.2 Nm

Number of contacts

10+ ⏚

16 A 400 V 6 kV 3

Identification	Conductor cross-section (mm²)	Part number Male	Part number Female	Drawing (dimensions in mm)
Han® Thermocouple, Han E®, Screw termination, With wire protection 	1 ... 2.5	09 33 010 2691	09 33 010 2791	 1) distance for contact max. 21 mm  ◆ Fe ○ CuNi  Panel cut out

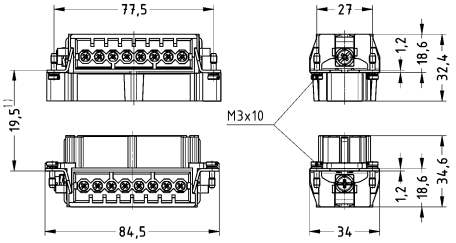
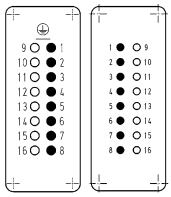
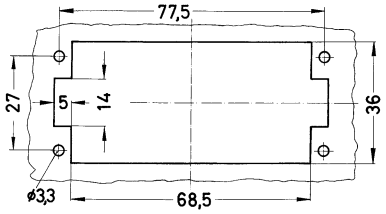
Han E® screw termination

Size 16 B

Number of contacts

16+ ⏚

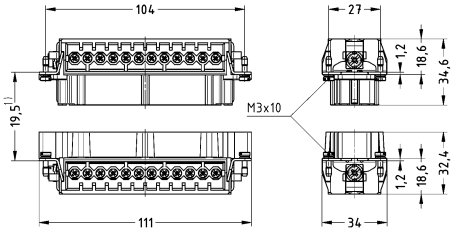
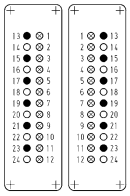
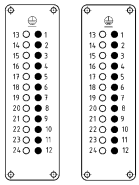
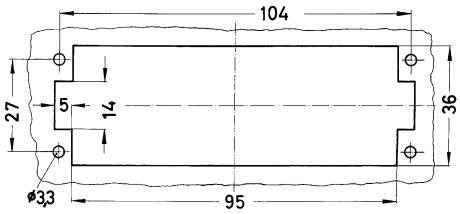
16 A 400 V 6 kV 3

Identification	Conductor cross-section (mm²)	Part number Male	Part number Female	Drawing (dimensions in mm)
Han® Thermocouple, Han E®, Screw termination, With wire protection 	1 ... 2.5	09 33 016 2691	09 33 016 2791	 1) distance for contact max. 21 mm  ◆ Fe ○ CuNi  Panel cut out

Number of contacts

24+ ⏚

16 A 400 V 6 kV 3

Identification	Conductor cross-section (mm²)	Part number Male	Part number Female	Drawing (dimensions in mm)
Han® Thermocouple, Han E®, Screw termination, With wire protection  Also suitable for standard contacts	1 ... 2.5	09 33 024 2689	09 33 024 2789	 1) distance for contact max. 21 mm  Standard contacts ◆ Fe ○ CuNi
Han® Thermocouple, Han E®, Screw termination, With wire protection 	1 ... 2.5	09 33 024 2691	09 33 024 2791	 ◆ Fe ○ CuNi  Panel cut out