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Ther-
mo

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 compliant
RoHS	

Specifications and approvals

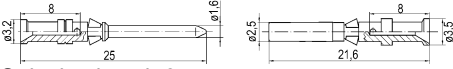
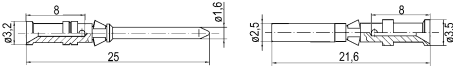
EN 60664-1
IEC 61984

Details

Crimping tools see chapter Han 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 ²)	Part number		Drawing (dimensions in mm)
		Male	Female	
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

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

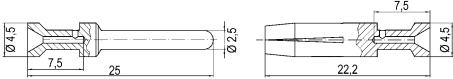
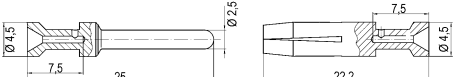
EN 60664-1
IEC 61984

Details

Crimping tools see chapter Han 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 ²)	Part number		Drawing (dimensions in mm)
		Male	Female	
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

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	$>10^{10} \Omega$
Limiting temperature	-40 ... +125 °C
Mating cycles	≥ 500
Material (insert)	Polycarbonate (PC)
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

Ther-
mo

Number of contacts

16+

16 A 250 V 4 kV 3

Ther-
mo

Identification	Conductor cross-section (mm²)	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	1) Distance for contact max. 24 mm Stripping length 7.5 mm Tightening torque 0.5 Nm 8 16 16 8 1 9 9 1 ♦ Fe ○ CuNi Panel cut out for use without Hoods/Housings

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 (PC)
Colour (insert)	RAL 7032 (pebble grey)
Material flammability class acc. to UL 94	V-0
RoHS	compliant with exemption, compliant

Specifications and approvals

EN 60664-1
IEC 61984
DNV GL

Details

Tightening torque 0.5 Nm
Tightening torque PE screw 1.2 Nm

Ther-
mo

Number of contacts

10+

16 A 400 V 6 kV 3

Ther-
mo

Identification	Conductor cross-section (mm²)	Part number		Drawing (dimensions in mm)
		Male	Female	
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



Number of contacts

16+

16 A 400 V 6 kV 3

Ther-
mo

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



Number of contacts

24+

16 A 400 V 6 kV 3

Ther-
mo

Identification	Conductor cross-section (mm²)	Part number		Drawing (dimensions in mm)
		Male	Female	
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