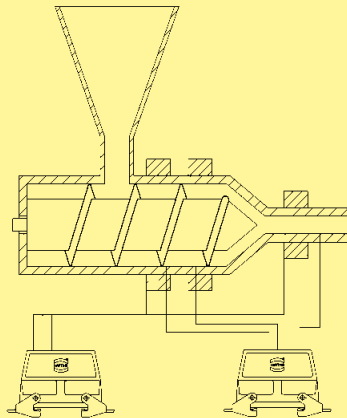


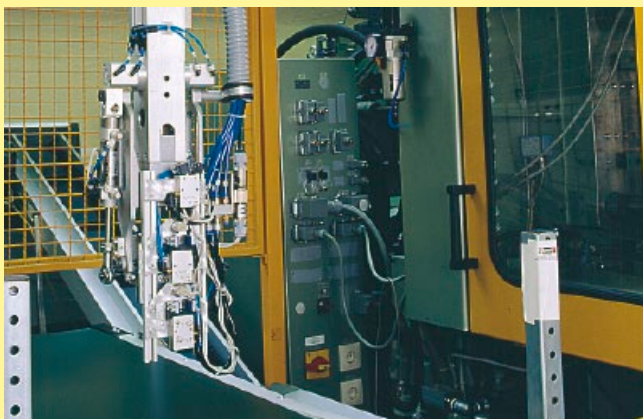
Features

- Connector for temperature measurement conductors - Suitable for injection moulding machines
- Iron and constantan contacts according to DIN IEC 584 type J, screw and crimp terminals
- Mixed loading of thermocouple crimp contacts and standard contacts within one insert possible
- Thermocouple crimp contacts can be combined within Han-Modular®
- According to EUROMAP 14, Part 1

Application



Overview of a heating circuit



Connector at an injection moulding machine

Technical characteristics

Specifications	DIN EN 60 664-1 DIN EN 61 984
----------------	----------------------------------

Inserts

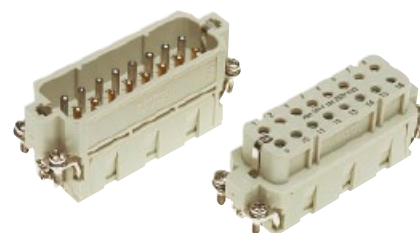
Electrical data acc. to EN 61 984	
- Han A®	16 A 250 V 4 kV 3
Rated current	16 A
Rated voltage	250 V
Rated impulse voltage	4 kV
Pollution degree	3
- Han E® crimp	16 A 500 V 6 kV 3
- Han E® screw	16 A 400 V 6 kV 3
- Han® Q	16 A 230/400 V 4 kV 3
- Han D®	10 A 50 V 4 kV 3
- Han DD®	10 A 250 V 4 kV 3
Insulation resistance	≥ 10 ¹⁰ Ω
Material	polycarbonate
Limiting temperatures	-40 °C ... +125 °C
Mechanical working life	
- mating cycles	≥ 500
Flammability acc. to UL 94	V 0

Contacts

Material	constantan
Identification acc. to IEC 584	type J
Surface	not coated
Contact resistance	≤ 1 mΩ
Crimp terminal Han E®	0.14 ... 0.5 mm ² AWG 24 ... 20
Crimp terminal Han D®	0.14 ... 0.37 mm ² AWG 24 ... 22
Screw terminal	1 ... 2.5 mm ² AWG 17 ... 14
- Tightening/test torque	0.5 Nm
Material	iron
Identification acc. to IEC 584	type J
Surface	gold
Contact resistance	≤ 1 mΩ
Crimp terminal Han E®	0.14 ... 0.5 mm ² AWG 24 ... 20
Crimp terminal Han D®	0.14 ... 0.37 mm ² AWG 24 ... 22
Screw terminal	1 ... 2.5 mm ² AWG 17 ... 14
- Tightening/test torque	0.5 Nm

Hoods/Housings (see chapter 30 / 31)

Material Hoods/Housings	aluminium die-cast
Surface	powder-coated, grey
Locking	Stainless steel
Hoods/Housings sealing	NBR
Limiting temperatures	-40 °C ... +125 °C
Degree of protection acc. to DIN 40 050	IP 65



Identification	Series	Part number		Contact arrangement view termination side	Dimensions in mm
		Male insert (M)	Female insert (F)		
Screw terminal	Han A® 16 A	09 20 016 2691	09 20 016 2891	● Contacts Fe ○ Contacts CuNi	
Screw terminal with wire protection	Han E® 10 E 16 E 24 E	09 33 010 2691 09 33 016 2691 09 33 024 2691	09 33 010 2791 09 33 016 2791 09 33 024 2791	● Contacts Fe ○ Contacts CuNi	
Screw terminal with wire protection	Han E® 24 E	09 33 024 2689	09 33 024 2789	⊗ Standard contacts ● Contacts Fe ○ Contacts CuNi	

Thermo-
couple