

Han[®] Thermocouple



Connector for compensating wires

Identification	Series	Part No.		Contact arrangement View: termination side	Dimensions in mm
		Male inserts	Female inserts		
Screw termination* with wire protection	Han E				
	10	09 33 010 2691	09 33 010 2791		
	16	09 33 016 2691	09 33 016 2791		
	24	09 33 024 2691	09 33 024 2791		
Crimp termination* Order contacts separately	Han E				
	6	09 33 006 2602	09 33 006 2702		
	10	09 33 010 2602	09 33 010 2702		
	16	09 33 016 2602	09 33 016 2702		
Crimp termination* Order contacts separately	Han EE				
	10	09 32 010 3001	09 32 010 3101		
	18	09 32 018 3001	09 32 018 3101		
	32	09 32 032 3001	09 32 032 3101		
Crimp termination* Order contacts separately	Han Q 5/0				
	5	09 12 005 3001	09 12 005 3101		
Crimp termination* Order contacts separately	Han A				
	10	09 20 010 3001	09 20 010 3101		
16	09 20 016 3001	09 20 016 3101			
Identification	Wire gauge mm ²	Male inserts	Female inserts	Drawing	Dimensions in mm
Crimp contacts Constantan Iron gold plated	0.5	09 33 000 6162	09 33 000 6262		
	0.5	09 33 000 6172	09 33 000 6272		

* For insert dimensions see 'Han Industrial Connectors' Catalogue

Technical Details

Features

Specifications
 DIN VDE 0627
 DIN VDE 0110

Inserts

Working current	16 A max.
Working voltage	
- Han E	400 V
- Han EE	500 V
- Han Q 5/0	230/400 V
- Han A	250 V
Degree of pollution	3 (C)
Insulation resistance	$\geq 10^{10} \Omega$
Material	Polycarbonate
Ambient temperature	- 40° ... + 125°C (- 40° ... + 257°F)
Flammability acc. to UL 94	V 0
*Mechanical working life	
- Mating cycles	≥ 500

Contacts

Material	Iron, Fe
Identification acc. to DIN IEC 584	Type J
Surface	Gold plated
Contact resistance	$\leq 1 \text{ m}\Omega$
Crimp termination	0.5 mm ² (AWG 20)
Screw termination	2.5 mm ² (AWG 14)
- Starting/testing torque	0.5 Nm

Material	Constantan, CuNi
Identification acc. to DIN IEC 584	Type J
Surface	Uncoated
Contact resistance	$\leq 1 \text{ m}\Omega$
Crimp termination	0.5 mm ² (AWG 20)
Screw termination	2.5 mm ² (AWG 14)
- Starting/ testing torque	0.5 Nm

Housings

(see 'Han Industrial Connectors' Catalogue)

Material	Aluminium die cast
Surface	Powder plated RAL 7037
Locking element	Steel, zinc plated
Sealing	NBR
Ambient temperature	- 40° ... + 125°C (- 40° ... + 257°F)
Degree of protection acc. to DIN 40 050 in locked position	IP 65

- Connector for type J thermocouples
- Iron and constantan contacts according to DIN IEC 584 Type J
- Screw and crimp termination
- Mixed loading of thermocouple crimp contacts and standard Han[®]-E power contacts in one insert is possible
- Further combinations with Han-Modular[®] are possible
- Special housings and inserts with crimp termination also for higher ambient temperatures available
- Ideal for injection molding machines