

## Features

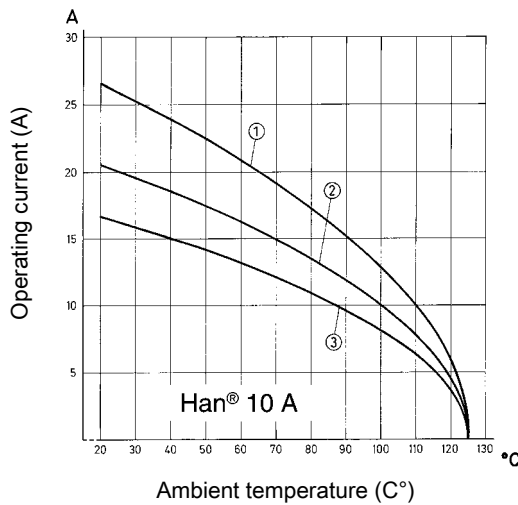
- Small size
- Available in crimp and screw termination
- Screw termination also available with wire protection

## Derating

### Current carrying capacity

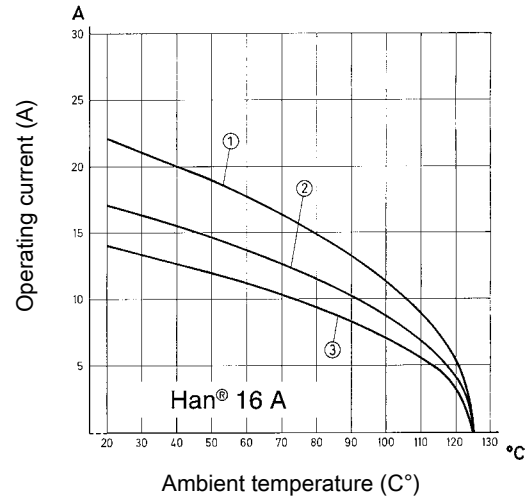
The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.

Measuring and testing techniques acc. to IEC 60512-5-2



- ① Wire cross section 2.5 mm<sup>2</sup>
- ② Wire cross section 1.5 mm<sup>2</sup>
- ③ Wire cross section 1 mm<sup>2</sup>

## Derating



- ① Wire cross section 2.5 mm<sup>2</sup>
- ② Wire cross section 1.5 mm<sup>2</sup>
- ③ Wire cross section 1 mm<sup>2</sup>

## Technical characteristics

Contacts	10, 16, 32
Electrical data acc. to IEC 61984	<b>16 A 250 V 4 kV 3</b>
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 <sup>10</sup> Ohm
Limiting temperatures	-40 °C ... 125 °C
Flammability (insert) acc. to UL 94	V 0
Mating cycles	≥500
Tightening torque	0.5 Nm
Material (insert)	polycarbonate
Colour (insert)	RAL 7032 (light grey)
Material (contact)	copper alloy

## Specifications and approvals

IEC 60664-1  
IEC 61984


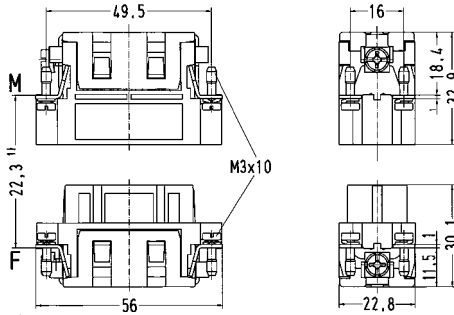

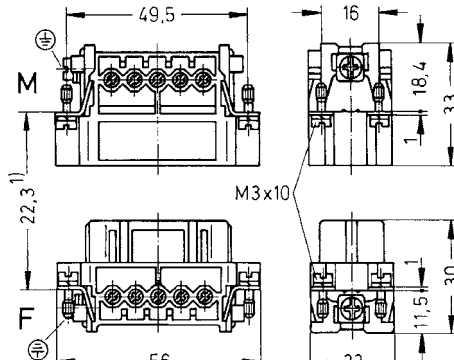

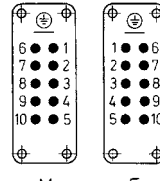
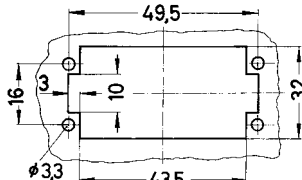


Number of contacts

# 10+

250 V  
16 A

Han A


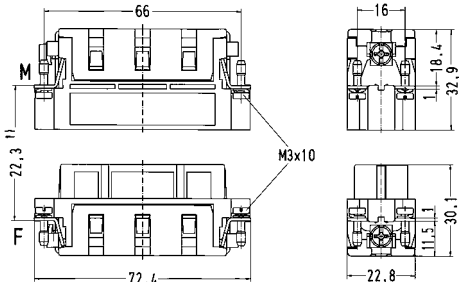

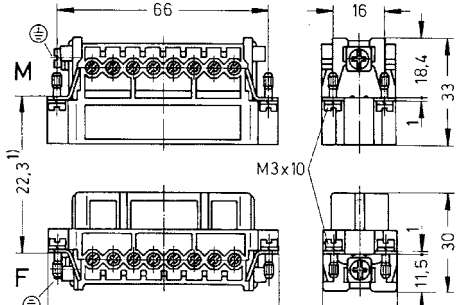

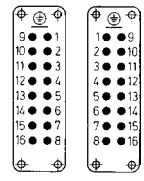
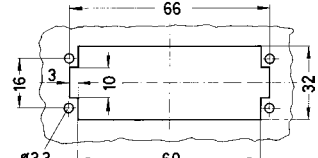
Identification	Wire cross section (mm <sup>2</sup> )	Part number		Drawing Dimensions in mm
		male	female	
Han A®, Crimp terminal   <p>Please order crimp contacts separately.</p>		09 20 010 3001	09 20 010 3101	 <p>1) Distance for contact max. 24 mm</p>
Han A®, Screw terminal  	0.75 – 2.5	09 20 010 2612	09 20 010 2812	 <p>1) Distance for contact max. 24 mm</p>
Han A®, Screw terminal, with wire protection  	0.75 – 2.5	09 20 010 2614	09 20 010 2814	 <p>                         Contact arrangement (view from termination side)                     </p>  <p>Panel cut out for inserts for use without hoods/housings</p>

Number of contacts

16+

250 V  
16 A

Han A


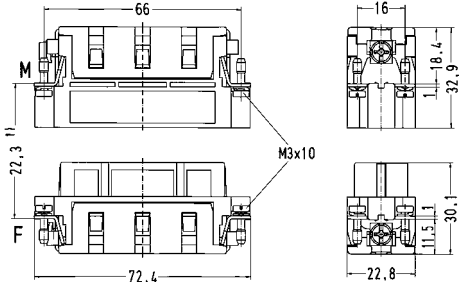
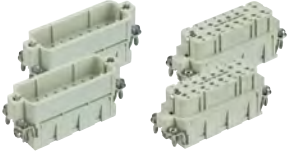
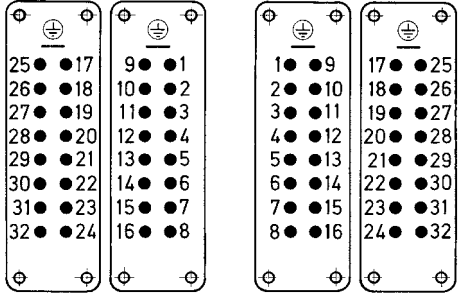
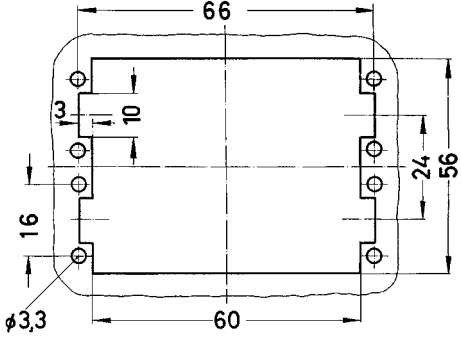
Identification	Wire cross section (mm <sup>2</sup> )	Part number male      female		Drawing Dimensions in mm
<p>Han A® , Crimp terminal</p>  <p>Please order crimp contacts separately.</p>		09 20 016 3001	09 20 016 3101	 <p>1) Distance for contact max. 24 mm</p>
<p>Han A® , Screw terminal</p> 	0.75 – 2.5	09 20 016 2612	09 20 016 2812	 <p>1) Distance for contact max. 24 mm</p>
<p>Han A® , Screw terminal, with wire protection</p> 	0.75 – 2.5	09 20 016 2614	09 20 016 2814	 <p>1) Distance for contact max. 24 mm</p> <p>2) Panel cut out for inserts for use without hoods/housings</p> 

Number of contacts

32+

250 V  
16 A

Han A


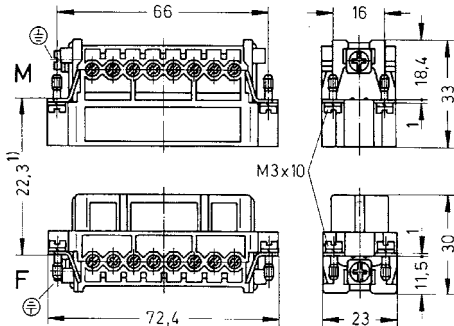

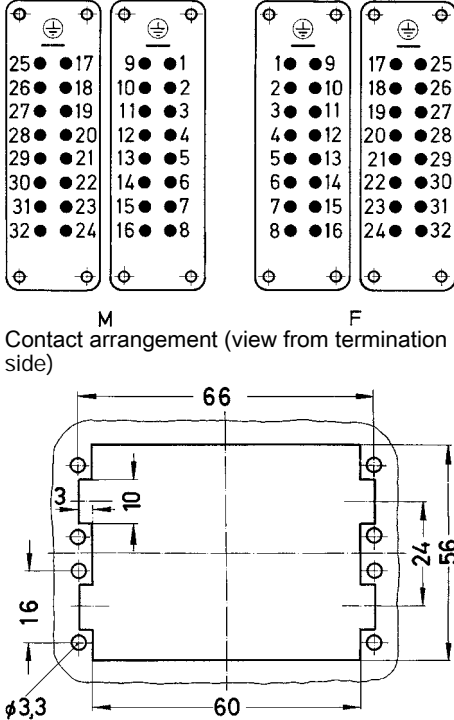
Identification	Part number		Drawing Dimensions in mm
	male	female	
<p>Han A®, Crimp terminal, 1 - 16</p>  <p>Please order crimp contacts separately. Please order two inserts for a complete assembly!</p>	09 20 016 3001	09 20 016 3101	 <p>1) Distance for contact max. 24 mm</p>
<p>Han A®, Crimp terminal, 17 - 32</p>  <p>Please order crimp contacts separately. Please order two inserts for a complete assembly!</p>	09 20 016 3011	09 20 016 3111	 <p>M F</p> <p>Contact arrangement (view from termination side)</p>  <p>Panel cut out for inserts for use without hoods/housings</p>

Number of contacts

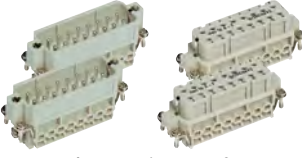
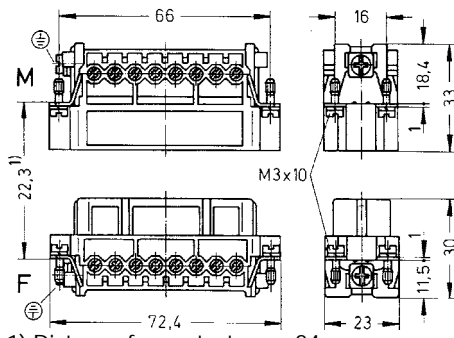
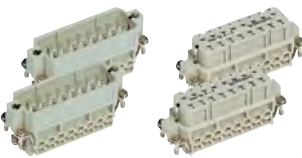
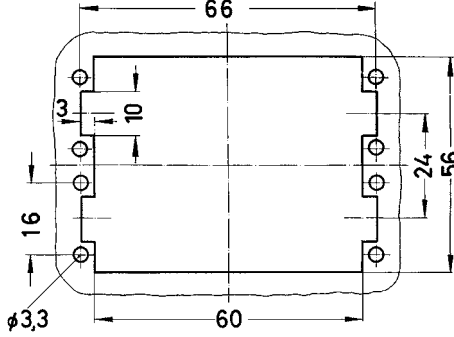
32+

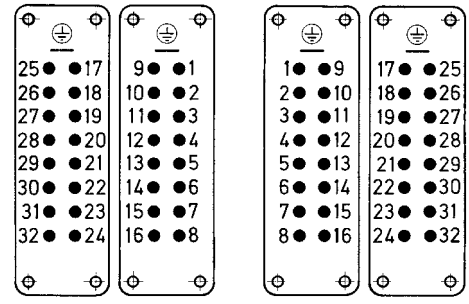
250 V  
16 A

Han A

Identification	Wire cross section (mm <sup>2</sup> )	Part number male female		Drawing Dimensions in mm
<p>Han A® , Screw terminal, 1 - 16, contact resistance ≤1 mOhm</p>  <p>Please order two inserts for a complete assembly!</p>	0.75 – 2.5	09 20 016 2612	09 20 016 2812	 <p>1) Distance for contact max. 24 mm</p>
<p>Han A® , Screw terminal, 17 - 32, contact resistance ≤1 mOhm</p>  <p>Please order two inserts for a complete assembly!</p>	0.75 – 2.5	09 20 016 2613	09 20 016 2813	 <p>Contact arrangement (view from termination side)</p> <p>Panel cut out for inserts for use without hoods/housings</p>

Han A

Identification	Wire cross section (mm <sup>2</sup> )	Part number male female		Drawing Dimensions in mm
<p>Han A®, Screw terminal, 1 - 16, with wire protection, contact resistance ≤1 mOhm</p>  <p>Please order two inserts for a complete assembly!</p>	0.75 - 2.5	09 20 016 2614	09 20 016 2814	 <p>1) Distance for contact max. 24 mm</p>
<p>Han A®, Screw terminal, 17 - 32, with wire protection, contact resistance ≤1 mOhm</p>  <p>Please order two inserts for a complete assembly!</p>	0.75 - 2.5	09 20 016 2615	09 20 016 2815	 <p>Panel cut out for inserts for use without hoods/housings</p>



M F  
Contact arrangement (view from termination side)