

Staf®



Contents

Page

Staf® .....

**09.2**

Staf

**09**  
**i**

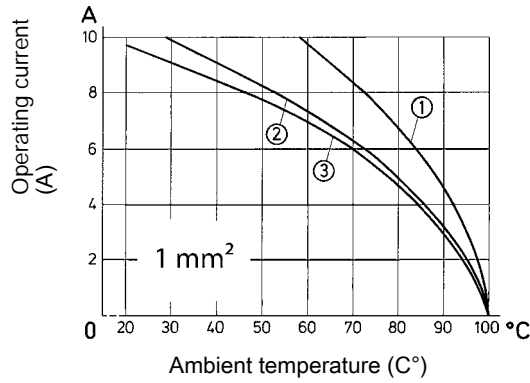


## Derating

### 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 Staf® 6
- ② Staf® 14
- ③ Staf® 20

## Technical characteristics

Contacts	6, 14, 20, 40
Rated current	10 A
Rated voltage AC	25 V
Rated voltage DC	60 V
Rated voltage acc. to UL	50 V
Rated voltage acc. to CSA	50 V
Insulation resistance	≥10 <sup>10</sup> Ohm
Limiting temperatures	-40 °C ... 100 °C
Flammability (insert) acc. to UL 94	HB
Mating cycles	≥500
Tightening torque	0.25 Nm
Flammability (seal) acc. to UL 94	HB
Material (insert)	polyamide
Colour (insert)	black
Material (contact)	copper alloy

## Specifications and approvals

IEC 61984  
IEC 60664-1



## Details

In accordance with the appropriate regulations a wire-end sleeve has to be used at clamps without wire protection (see "screw terminal", chapter 00).

Staf

# Staf® 6


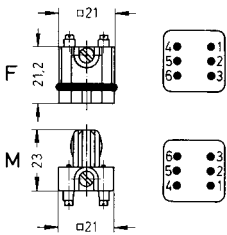

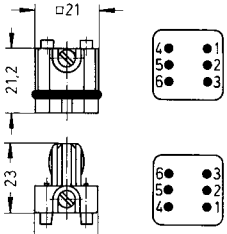

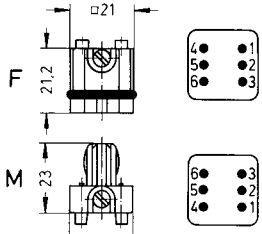

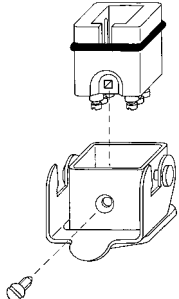
# Size 3 A



Number of contacts

# 6

~ 25 V  
 - 60 V  
 10 A

Identification	Wire cross section (mm²)	Part number	Drawing Dimensions in mm
<p>Staf®, Screw terminal, Male insert (F), silver plated contacts, contact resistance ≤2 mOhm</p> 	1.5	09 70 006 2616	 <p>Contact arrangement (view from termination side)</p>
<p>Staf®, Screw terminal, Female Insert (M), silver plated contacts, contact resistance ≤2 mOhm</p> 	1.5	09 70 006 2813	 <p>Contact arrangement (view from termination side)</p>
<p>Staf®, Solder terminal, Male insert (F), silver plated contacts, contact resistance ≤2 mOhm</p> 	2.5	09 70 006 2615	 <p>Contact arrangement (view from termination side)</p>
<p>Staf®, Solder terminal, Female Insert (M), silver plated contacts, contact resistance ≤2 mOhm</p> 	2.5	09 70 006 2812	 <p>Mounting example</p>

Staf

# Staf® 14

Size 10 A


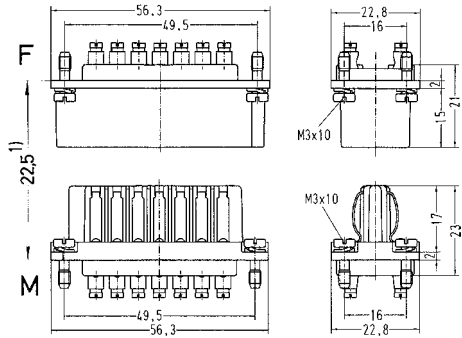

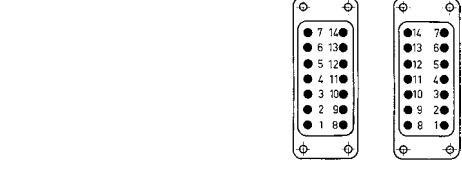
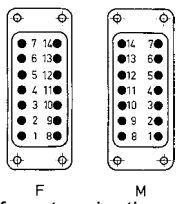

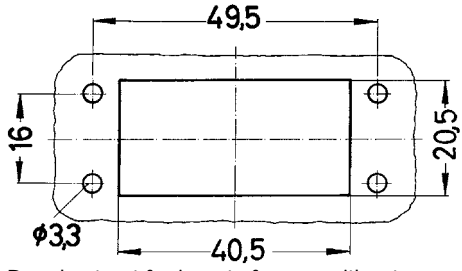



Number of contacts

# 14

~ 25 V  
- 60 V  
10 A

Staf

Identification	Wire cross section (mm <sup>2</sup> )	Part number	Drawing Dimensions in mm
Staf®, Screw terminal, Male insert (F), silver plated contacts, contact resistance ≤2 mOhm  	1.5	09 70 014 2614	 <p>1) Distance for contact max. 24 mm</p>
Staf®, Screw terminal, Female Insert (M), silver plated contacts, contact resistance ≤2 mOhm  	1.5	09 70 014 2811	  <p>Contact arrangement (view from termination side)</p>
Staf®, Solder terminal, Male insert (F), silver plated contacts, contact resistance ≤2 mOhm  	2.5	09 70 014 2613	 <p>Panel cut out for inserts for use without hoods/housings</p>
Staf®, Solder terminal, Female Insert (M), silver plated contacts, contact resistance ≤2 mOhm  	2.5	09 70 014 2810	

# Staf® 20


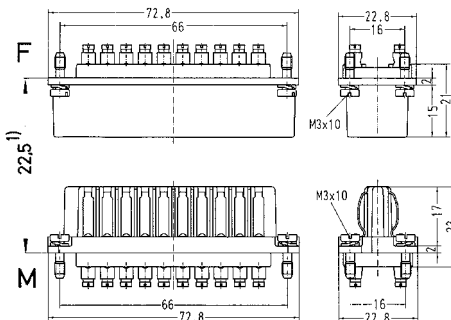



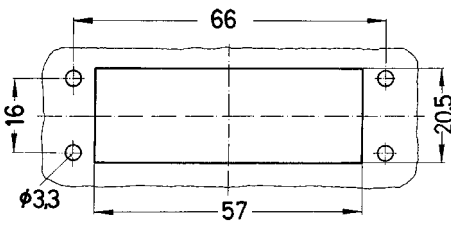

Size 16 A



Number of contacts

# 20

- 25 V  
- 60 V  
10 A

Identification	Wire cross section (mm²)	Part number	Drawing Dimensions in mm
<p>Staf®, Screw terminal, Male insert (F), silver plated contacts, contact resistance ≤2 mOhm</p> 	1.5	09 70 020 2622	 <p>1) Distance for contact max. 24 mm</p>
<p>Staf®, Screw terminal, Female Insert (M), silver plated contacts, contact resistance ≤2 mOhm</p> 	1.5	09 70 020 2817	 <p>Contact arrangement (view from termination side)</p>
<p>Staf®, Solder terminal, Male insert (F), silver plated contacts, contact resistance ≤2 mOhm</p> 	2.5	09 70 020 2621	 <p>Panel cut out for inserts for use without hoods/housings</p>
<p>Staf®, Solder terminal, Female Insert (M), silver plated contacts, contact resistance ≤2 mOhm</p> 	2.5	09 70 020 2816	

Staf

# Staf® 40


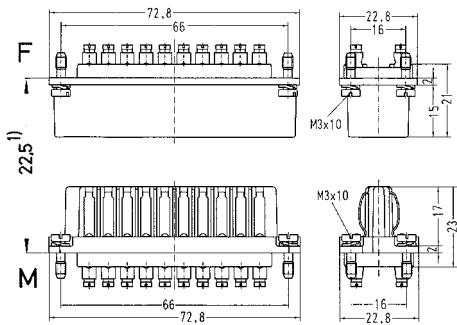

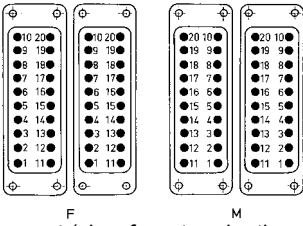

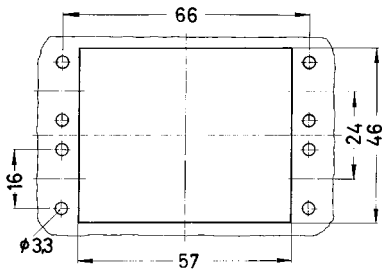

Size 32 A



Number of contacts

# 40

~ 25 V  
- 60 V  
10 A

Identification	Wire cross section (mm <sup>2</sup> )	Part number	Drawing Dimensions in mm
<p>Staf®, Screw terminal, Male insert (F), silver plated contacts, contact resistance ≤2 mOhm</p>  <p>Please order two inserts for a complete assembly!</p>	1.5	09 70 020 2622	<p>Drawing Dimensions in mm</p>  <p>1) Distance for contact max. 24 mm</p>
<p>Staf®, Screw terminal, Female Insert (M), silver plated contacts, contact resistance ≤2 mOhm</p>  <p>Please order two inserts for a complete assembly!</p>	1.5	09 70 020 2817	 <p>Contact arrangement (view from termination side)</p>
<p>Staf®, Solder terminal, Male insert (F), silver plated contacts, contact resistance ≤2 mOhm</p>  <p>Please order two inserts for a complete assembly!</p>	2.5	09 70 020 2621	 <p>Panel cut out for inserts for use without hoods/housings</p>
<p>Staf®, Solder terminal, Female Insert (M), silver plated contacts, contact resistance ≤2 mOhm</p>  <p>Please order two inserts for a complete assembly!</p>	2.5	09 70 020 2816	