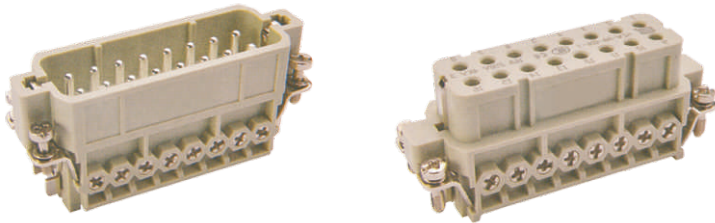


# HA | Technical characteristics



## Current carrying capacity

The current carrying is limited by maximum temperature of materials for inserts and contacts including terminals

## Specifications

Inserts

Number of contacts

DIN EN 60 664

DIN EN 61 984

3,4,10,16,32(2x16)+PE

### SO-HA-003/004

Working current

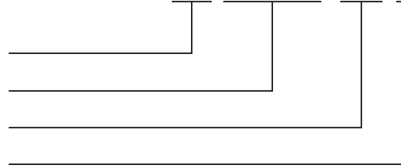
(See current carrying capacity)

Working voltage

Rated impulse voltage

Pollution degree

10A 230/400 V 4 KV 3



### SO-HA-010/016

Working current

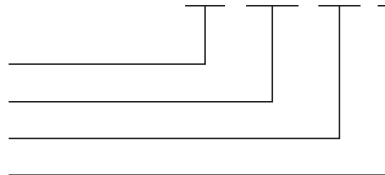
(See current carrying capacity)

Working voltage

Rated impulse voltage

Pollution degree

16 A 250V 4 KV 3



Insulation resistance

$\geq 10^{10} \Omega$

Material

Polycarbonate

Flammability acc.to(UL94)

VO

Limiting temperatures

-40°C ~ +125°C

Mechanical working life (mating cycles)

$\geq 500$

Working voltage acc.to UL/CSA

600V

## Contacts

Material

Copper alloy

Surface

Silver plated

Contact resistance

$\leq 1m\Omega$

Terminal

Screw terminal

Wire gauge

1.0-2.5mm<sup>2</sup>(AWG18-14)

Screw terminal tightening

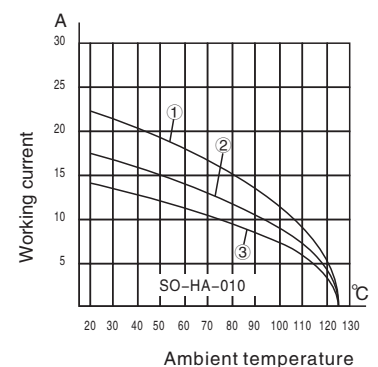
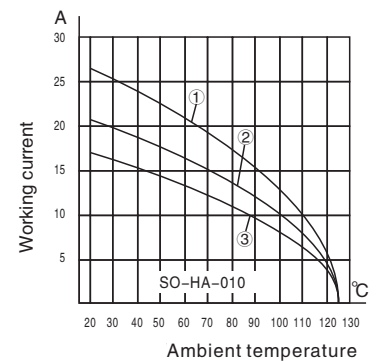
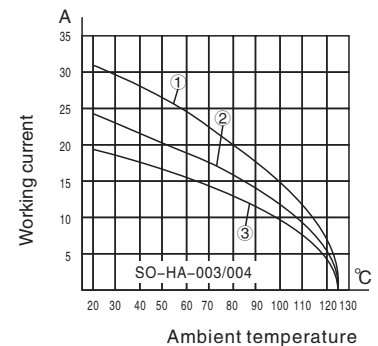
(HA-003/004) 0.25Nm

(HA-010/016) 0.5Nm

DIN IEC 60512-5

Control and test procedures

according to DIN IEC 60512-5



① wire gauge: 2.5mm<sup>2</sup>  
 ② wire gauge: 1.5mm<sup>2</sup>  
 ③ wire gauge: 1.0mm<sup>2</sup>

HA

## SO-HA

Number of contacts

3 + 

Insert 230/400V 10A



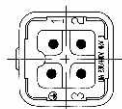
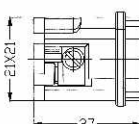
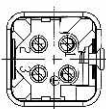
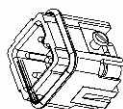
TYPE

SO-HA-003-M

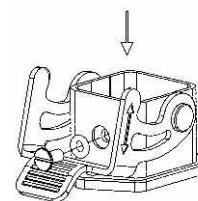
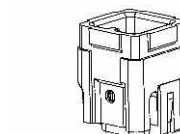
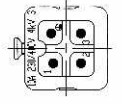
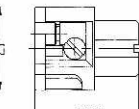
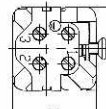
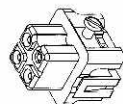
SO-HA-003-F

Drawing(Dimensions in mm)

Male insert (M)



Female insert (F)



Mounting example

Note: Suit hood/housing: Size H3A

Hood/Housing detail on "Hood/Housing" section

HA

## SO-HA

Number of contacts

4 + 

Insert 230/400V 10A



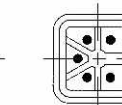
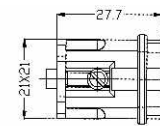
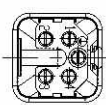
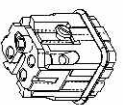
TYPE

SO-HA-004-M

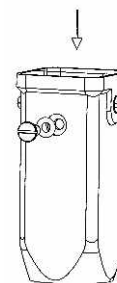
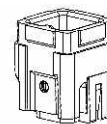
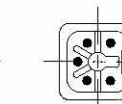
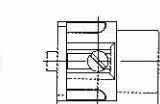
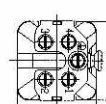
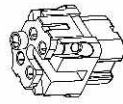
SO-HA-004-F

Drawing(Dimensions in mm)

Male insert (M)



Female insert (F)



Mounting example

Note: Suit hood/housing: Size H3A

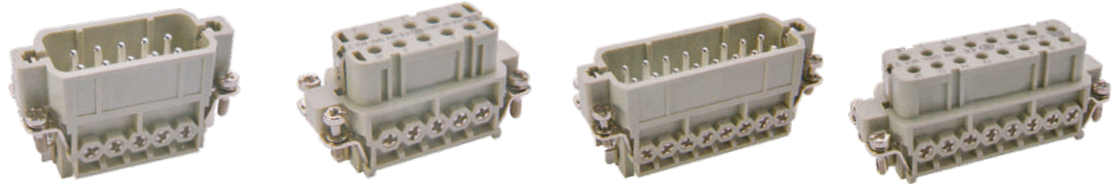
Hood/Housing detail on "Hood/Housing" section

# SO-HA

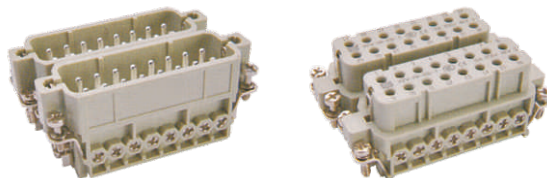
Number of contacts

Insert 250V 16A

## 10,16,32 +



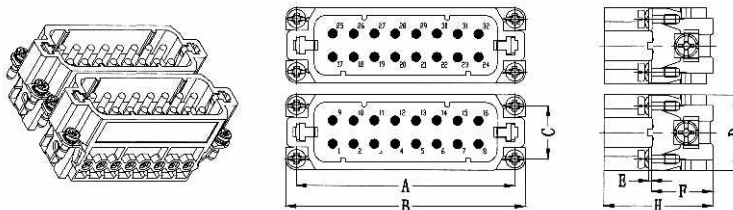
TYPE SO-HA-010-M SO-HA-010-F SO-HA-016-M SO-HA-016-F



TYPE SO-HA-032-M SO-HA-032-F

Drawing(Dimensions in mm)

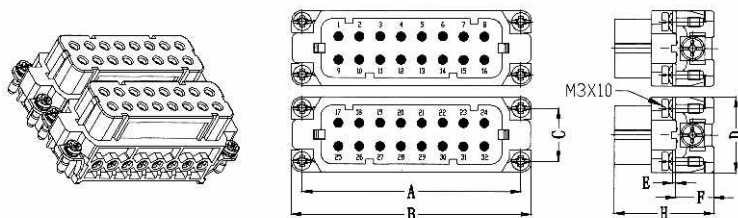
Male insert (M)



Male insert(M)

number of contacts	A	B	C	D	E	F	H
SO-HA-010	49.5	56	16	22.8	1	18.4	33
SO-HA-016	66	72.4	16	22.8	1	18.4	33
SO-HA-032	66	72.4	16	22.8	1	18.4	33

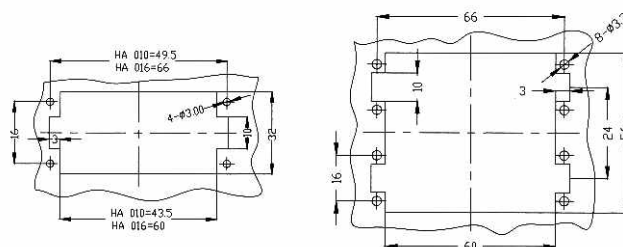
Female insert (F)



Female insert(F)

number of contacts	A	B	C	D	E	F	H
SO-HA-010	49.5	56.5	16	22.8	1	11.5	30
SO-HA-016	66	72.4	16	22.8	1	11.5	30
SO-HA-032	66	72.4	16	22.8	1	11.5	30

Panel cut out for inserts  
for use without hoods/housings



Note: Suit hood/housing: Size H10A,H16A,

Hood/Housing detail on "Hood/Housing" section