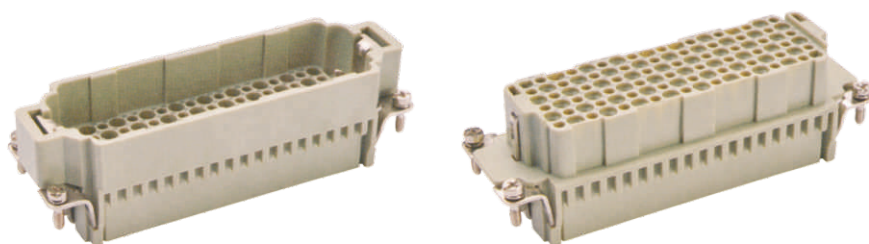


# HDD

Technical characteristics



## Current carrying capacity

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

DIN IEC 60512-5 Control and test procedures according to DIN IEC 60512-5

## Specifications

DIN EN 60 664  
DIN EN 61 984

### Inserts

Number of contacts

24,42,72,108,144,216  
144(2x72),216(2x108)+PE

Working current  
(See current carrying capacity)

10A 250V 4KV 3

Working voltage

Rated impulse voltage

Pollution degree

Pollution degree 2 also

Insulation resistance

Material

Flammability acc.to(UL94)

Limiting temperatures

Mechanical working life (mating cycles)

Working voltage acc.to UL/CSA

10 A 230/400V 4KV 2

$\geq 10^{10} \Omega$

Polycarbonate

VO

-40°C ~ +125°C

$\geq 500$

600V

### Contacts

Material

Surface

Copper alloy

Gold plated

Silver plated

Contact resistance

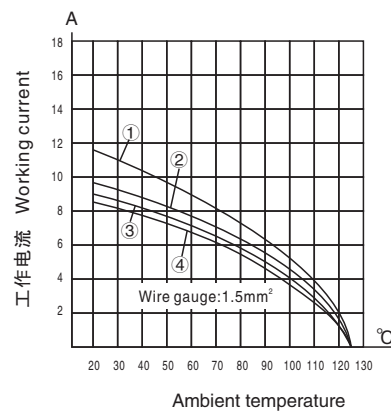
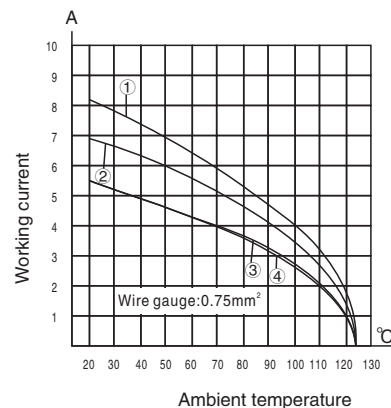
Terminal

Wire gauge

$\leq 3m \Omega$

Crimp terminal

0.14-2.5mm<sup>2</sup>(AWG26-14)



① SO-HDD-024 ③ SO-HDD-072  
② SO-HDD-042 ④ SO-HDD-108

# SO-HDD

Insert 250V 10A

Number of contacts

## 24,42,72,108 + ⊕



SO-HDD-024-MC



SO-HDD-024-FC

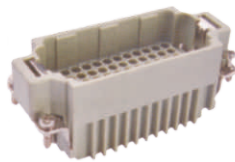


SO-HDD-042-MC

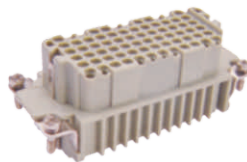


SO-HDD-042-FC

TYPE



SO-HDD-072-MC



SO-HDD-072-FC



SO-HDD-108-MC

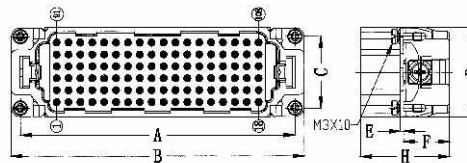
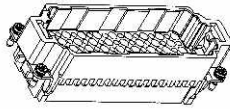


SO-HDD-108-FC

TYPE

Drawing(Dimensions in mm)

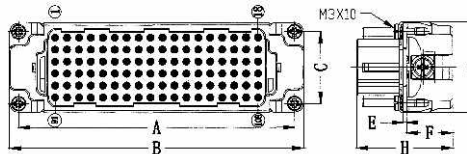
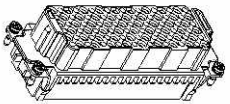
Male insert (MC)



Male insert(M)

number of contacts	A	B	C	D	E	F	H
SO-HDD-024	44	51	27	34	1.2	17.4	33.6
SO-HDD-042	57	64	27	34	1.2	17.4	33.6
SO-HDD-072	77.5	84.5	27	34	1.2	17.4	33.6
SO-HDD-108	104	111	27	34	1.2	17.4	33.6

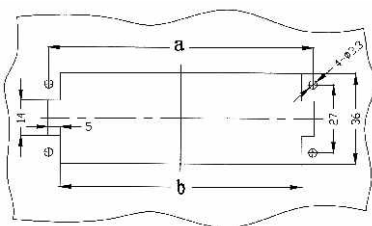
Female insert (FC)



Female insert(F)

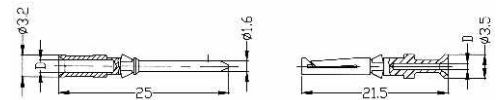
number of contacts	A	B	C	D	E	F	H
SO-HDD-024	44	51	27	34	1.2	17.4	36.1
SO-HDD-042	57	64	27	34	1.2	17.4	36.1
SO-HDD-072	77.5	84.5	27	34	1.2	17.4	36.1
SO-HDD-108	104	111	27	34	1.2	17.4	36.1

Panel cut out for inserts  
for use without hoods/housings



Panel cut out

Size	A	B
SO-H6B	44	35
SO-H10B	57	48
SO-H16B	77.5	68.5
SO-H24B	104	95



Crimp contacts	Wire gauge	D	Stripping length
Gold plated	0.14-0.37mm <sup>2</sup>	AWG 26-22	0.90mm
	0.5mm <sup>2</sup>	AWG 20	1.10mm
Silver plated	0.75mm <sup>2</sup>	AWG 18	1.30mm
	1.0mm <sup>2</sup>	AWG 18	1.45mm
	1.5mm <sup>2</sup>	AWG 16	1.75mm
	2.5mm <sup>2</sup>	AWG 14	2.25mm

Note: Suit hood/housing: Size H6B,H10B H16B,H24B  
Hood/Housing detail on "Hood/Housing" section

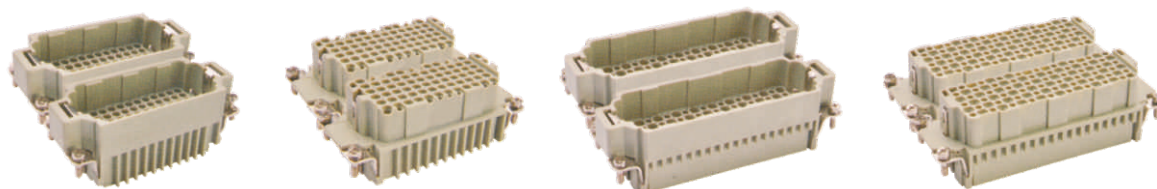
Note: Crimp termina of 10A should order contacts pins separately,detail please refer to page 70

# SO-HDD

Number of contacts

Insert 250V 10A

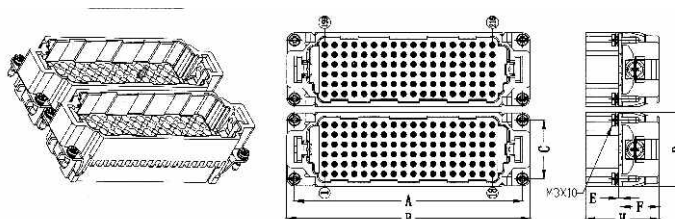
# 144,216 +



TYPE                      SO-HDD-144-MC                      SO-HDD-144-FC                      SO-HDD-216-MC                      SO-HDD-216-FC

Drawing(Dimensions in mm)

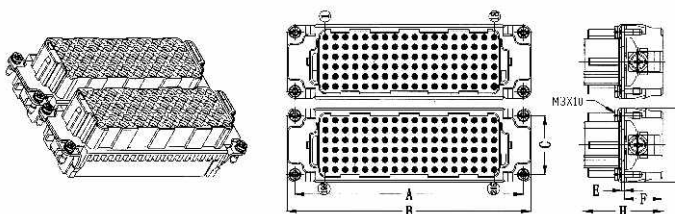
Male insert (MC)



Male insert(M)

number of contacts	A	B	C	D	E	F	H
SO-HDD-144	77.5	84.5	27	34	1.2	17.4	33.6
SO-HDD-216	104	111	27	34	1.2	17.4	33.6

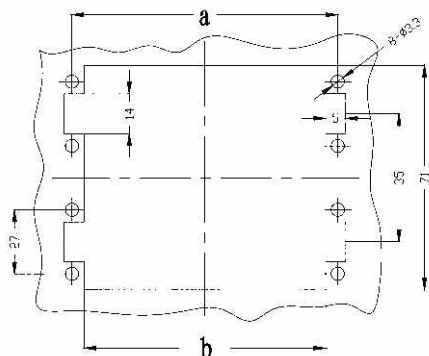
Female insert (FC)



Female insert(F)

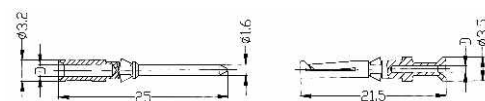
number of contacts	A	B	C	D	E	F	H
SO-HDD-144	77.5	84.5	27	34	1.2	17.4	36.1
SO-HDD-216	104	111	27	34	1.2	17.4	36.1

Panel cut out for inserts  
for use without hoods/housings



Panel cut out

Size	A	B
SO-H32B	77.5	68.5
SO-H48B	104	95.0



Crimp contacts	Wire gauge	D	Stripping length
Gold plated	0.14-0.37mm <sup>2</sup>	AWG 26-22	0.90mm
	0.5mm <sup>2</sup>	AWG 20	1.10mm
	0.75mm <sup>2</sup>	AWG 18	1.30mm
Silver plated	1.0mm <sup>2</sup>	AWG 18	1.45mm
	1.5mm <sup>2</sup>	AWG 16	1.75mm
	2.5mm <sup>2</sup>	AWG 14	2.25mm

Note: Suit hood/housing: Size H32B,H48B

Hood/Housing detail on "Hood/Housing" section

Note: Crimp termina of 10A should order contacts pins separately,detail please refer to page 70