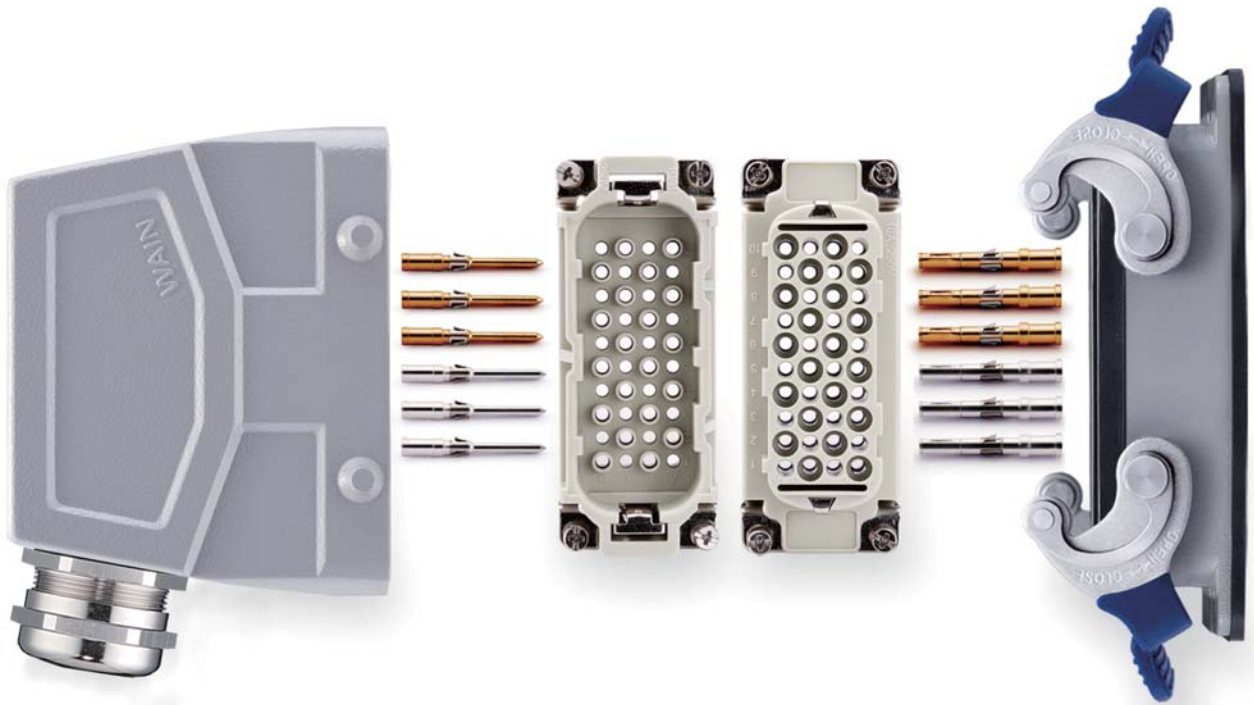



HD HDD SERIES

Ultra-high density connector



HDD SERIES Ultra-high density inserts

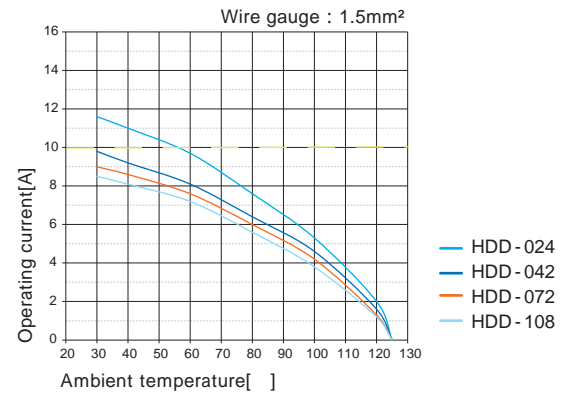
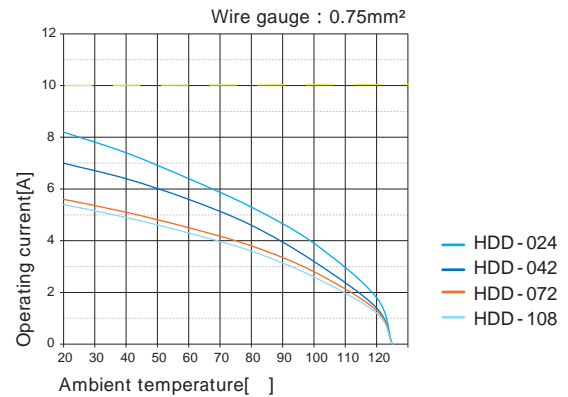
Technical characteristics

Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	
Inserts	
Number of contacts	24,42,72,108,144(72x2), 216(108x2)+PE
Electrical data acc. to EN 61 984	
- Rated current	10A
- Rated voltage	250V
- Rated impulse voltage	4kV
- Pollution degree	3
- Pollution degree 2 also	10A 230/400V 4kV 2
Rated voltage acc. to UL	600V
Insulation resistance	10 ¹⁰
Material	polycarbonate
Limiting temperatures	-40 ...+125
Flammability acc. to UL 94	V0
Mechanical working life(mating cycles)	500
Contacts	
Material	copper alloy
Surface	hard - gold plated hard - silver plated
Contact resistance	3m
Crimp terminal	
- Wire gauge	0.14 - 2.5mm ²
- AWG	26 - 14

Current carrying capacity

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

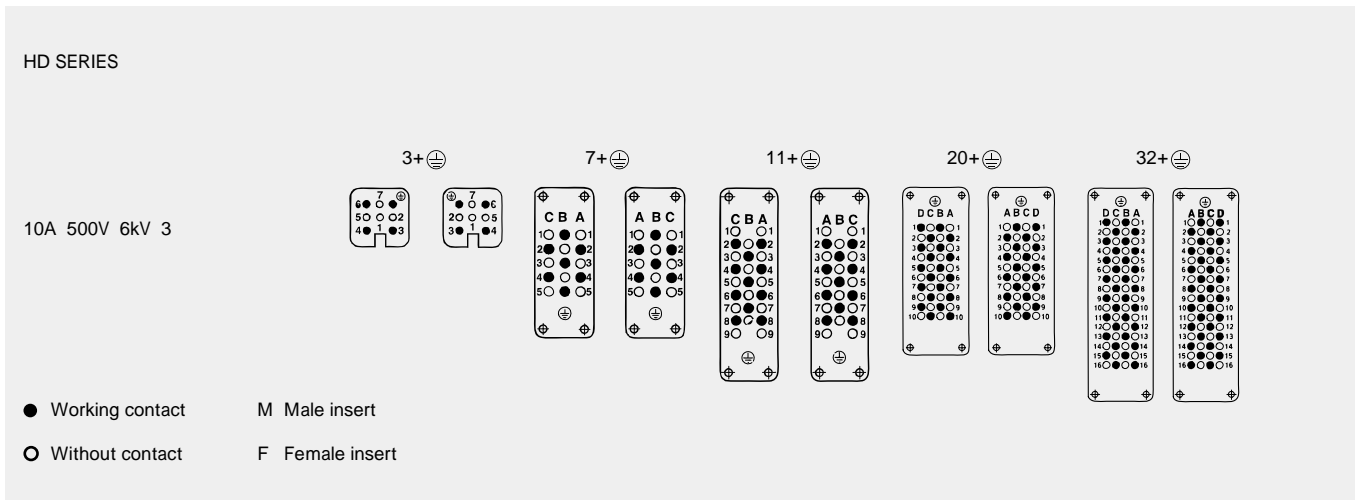
Control and test procedures according to DIN EN 60512 - 5



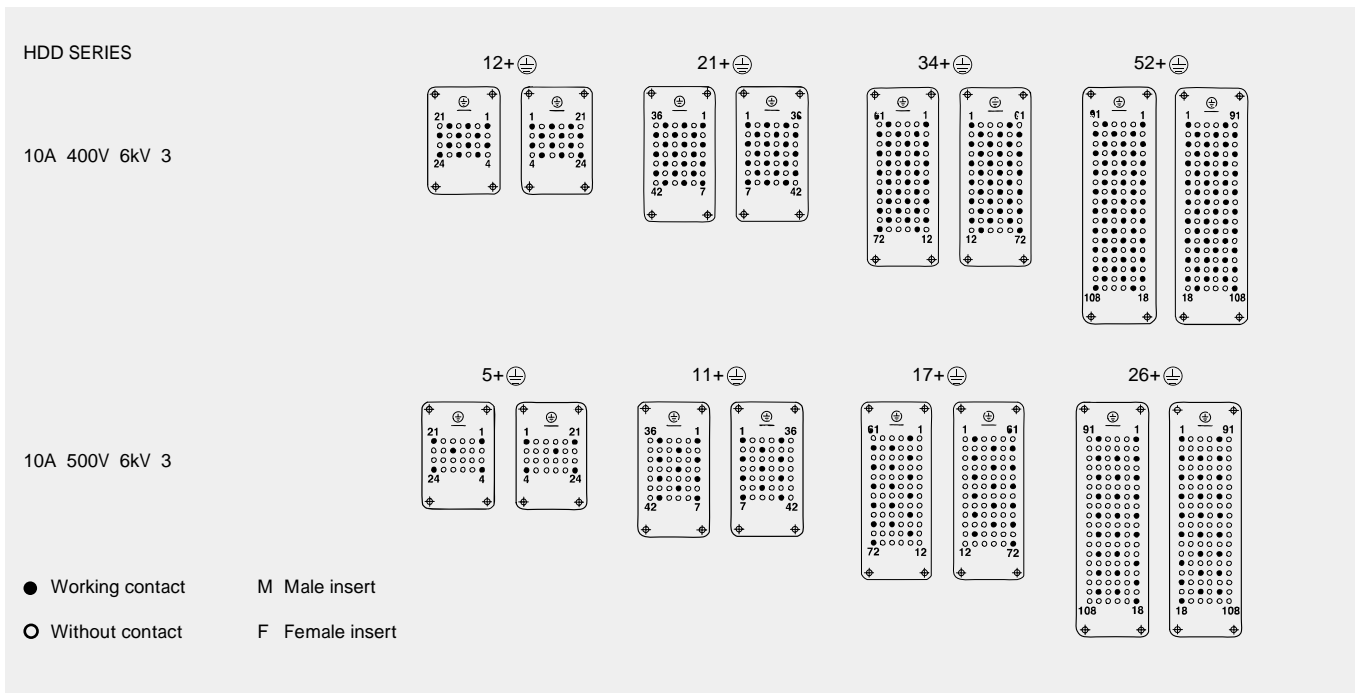
HD HDD Modified contact arrangement up to 500 V

The connector series HDD and HD equipped with all contacts may be used for voltages up to 250 V, pollution degree 3. A modified contact loading arrangement permits use up to 500 V also in the same pollution degree. According to DIN EN 61 984 connectors should not be coupled or decoupled under electrical load.

Contact arrangement view from termination side



Contact arrangement view from termination side



HD-007 Ultra-high density inserts

250V 10A 7+



Inserts

Hoods/Housings: size 3A(only for plastic), please find the details on page 15-06~15-07.

Crimp terminal

Order crimp contacts separately



Insert	Designation	Order No.
Male	HD - 007 - MC	125 007 010 0001
Female	HD - 007 - FC	125 007 020 0001

Contact arrangement view from termination side:

Mounting example

Crimp contacts

Crimp contacts 10A

Contact resistance 3m silver plated



gold plated



More crimp contacts 10A see P13-02,P13-03.

Male	Designation	Female	Designation
CDSM - 0.25	101 017 110 0101	CDSF - 0.25	101 017 120 0101
CDSM - 0.37	101 017 110 0301	CDSF - 0.37	101 017 120 0301
CDSM - 0.50	101 017 110 0401	CDSF - 0.50	101 017 120 0401
CDSM - 0.75	101 017 110 0601	CDSF - 0.75	101 017 120 0601
CDSM - 1.0	101 017 110 0801	CDSF - 1.0	101 017 120 0801
CDSM - 1.5	101 017 110 0901	CDSF - 1.5	101 017 120 0901
CDSM - 2.5	101 017 110 1001	CDSF - 2.5	101 017 120 1001
CDGM - 0.25	101 017 210 0101	CDGF - 0.25	101 017 220 0101
CDGM - 0.37	101 017 210 0301	CDGF - 0.37	101 017 220 0301
CDGM - 0.50	101 017 210 0401	CDGF - 0.50	101 017 220 0401
CDGM - 0.75	101 017 210 0601	CDGF - 0.75	101 017 220 0601
CDGM - 1.0	101 017 210 0801	CDGF - 1.0	101 017 220 0801
CDGM - 1.5	101 017 210 0901	CDGF - 1.5	101 017 220 0901
CDGM - 2.5	101 017 210 1001	CDGF - 2.5	101 017 220 1001

Wire gauge	Φ	Stripping length	
0.14 - 0.37 mm ²	AWG 26-22	0.9	8 mm
0.5 mm ²	AWG 20	1.1	8 mm
0.75 mm ²	AWG 18	1.3	8 mm
1 mm ²	AWG 18	1.45	8 mm
1.5 mm ²	AWG 16	1.75	8 mm
2.5 mm ²	AWG 14	2.25	6 mm

When the wire gauge is less than 0.75mm², it's better to use the auxiliary pin assembly tool TL15.

Tools

Crimping tool



Contact removal tool



Wire gauge	Designation	Order No.
0.14 - 4mm ²	TL02G	198 001 001 0011
For the crimping contacts and removing contacts instructions, please find the page 06-23~06-24.		
Application	Designation	Order No.
for crimp contacts 10A	TL00	198 001 000 0001

More tools detail please find the page 32-03~32-06.

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

HD-008 Ultra-high density inserts

- 120V/~50V 10A 8



Inserts

Hoods/Housings: size 3A, please find the details on page 15-06~15-16.

Crimp terminal

Order crimp contacts separately



Insert	Designation	Order No.
Male	HD-008-MC	125 008 010 0001
Female	HD-008-FC	125 008 020 0001

Contact arrangement view from termination side:

Mounting example

Crimp contacts

Crimp contacts 10A

Contact resistance 3m silver plated



gold plated



More crimp contacts 10A see P13-02,P13-03.

Male	Designation	Female	Designation
CDSM-0.25	101 017 110 0101	CDSF-0.25	101 017 120 0101
CDSM-0.37	101 017 110 0301	CDSF-0.37	101 017 120 0301
CDSM-0.50	101 017 110 0401	CDSF-0.50	101 017 120 0401
CDSM-0.75	101 017 110 0601	CDSF-0.75	101 017 120 0601
CDSM-1.0	101 017 110 0801	CDSF-1.0	101 017 120 0801
CDSM-1.5	101 017 110 0901	CDSF-1.5	101 017 120 0901
CDSM-2.5	101 017 110 1001	CDSF-2.5	101 017 120 1001
CDGM-0.25	101 017 210 0101	CDGF-0.25	101 017 220 0101
CDGM-0.37	101 017 210 0301	CDGF-0.37	101 017 220 0301
CDGM-0.50	101 017 210 0401	CDGF-0.50	101 017 220 0401
CDGM-0.75	101 017 210 0601	CDGF-0.75	101 017 220 0601
CDGM-1.0	101 017 210 0801	CDGF-1.0	101 017 220 0801
CDGM-1.5	101 017 210 0901	CDGF-1.5	101 017 220 0901
CDGM-2.5	101 017 210 1001	CDGF-2.5	101 017 220 1001

Wire gauge	φ	Stripping length
0.14-0.37 mm ² AWG 26-22	0.9	8 mm
0.5 mm ² AWG 20	1.1	8 mm
0.75 mm ² AWG 18	1.3	8 mm
1 mm ² AWG 18	1.45	8 mm
1.5 mm ² AWG 16	1.75	8 mm
2.5 mm ² AWG 14	2.25	6 mm

When the wire gauge is less than 0.75mm², it's better to use the auxiliary pin assembly tool TL15.

Tools

Crimping tool



Contact removal tool



Wire gauge	Designation	Order No.
0.14-4mm ²	TL02G	198 001 001 0011

For the crimping contacts and removing contacts instructions, please find the page 06-23~06-24.

Application	Designation	Order No.
for crimp contacts 10A	TL00	198 001 000 0001

More tools detail please find the page 32-03~32-06.

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

HD-015 Ultra-high density inserts

250V 10A 15+



Inserts

Hoods/Housings : size 10A, detail please find the page15-17~15-18.

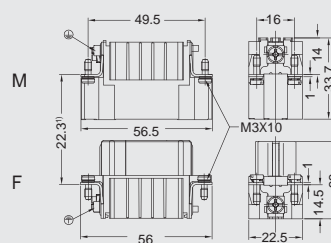
Crimp terminal

Order crimp contacts separately

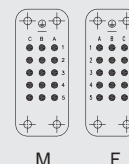


Insert	Designation	Order No.
Male	HD - 015 - MC	125 015 010 0001
Female	HD - 015 - FC	125 015 020 0001

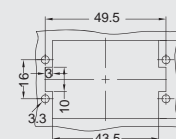
1) Distance for contact max. 24 mm



Contact arrangement view from termination side



Panel cut out for inserts for use without hoods/housings



Crimp contacts

Crimp contacts 10A

Contact resistance 3m
silver plated

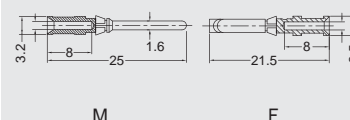


gold plated



More crimp contacts 10A
see P13-02,P13-03.

Male	Designation	Female	Designation
CDSM - 0.25	101 017 110 0101	CDSF - 0.25	101 017 120 0101
CDSM - 0.37	101 017 110 0301	CDSF - 0.37	101 017 120 0301
CDSM - 0.50	101 017 110 0401	CDSF - 0.50	101 017 120 0401
CDSM - 0.75	101 017 110 0601	CDSF - 0.75	101 017 120 0601
CDSM - 1.0	101 017 110 0801	CDSF - 1.0	101 017 120 0801
CDSM - 1.5	101 017 110 0901	CDSF - 1.5	101 017 120 0901
CDSM - 2.5	101 017 110 1001	CDSF - 2.5	101 017 120 1001
CDGM - 0.25	101 017 210 0101	CDGF - 0.25	101 017 220 0101
CDGM - 0.37	101 017 210 0301	CDGF - 0.37	101 017 220 0301
CDGM - 0.50	101 017 210 0401	CDGF - 0.50	101 017 220 0401
CDGM - 0.75	101 017 210 0601	CDGF - 0.75	101 017 220 0601
CDGM - 1.0	101 017 210 0801	CDGF - 1.0	101 017 220 0801
CDGM - 1.5	101 017 210 0901	CDGF - 1.5	101 017 220 0901
CDGM - 2.5	101 017 210 1001	CDGF - 2.5	101 017 220 1001



Wire gauge	Φ	Stripping length
0.14-0.37 mm ² AWG 26-22	0.9	8 mm
0.5 mm ² AWG 20	1.1	8 mm
0.75 mm ² AWG 18	1.3	8 mm
1 mm ² AWG 18	1.45	8 mm
1.5 mm ² AWG 16	1.75	8 mm
2.5 mm ² AWG 14	2.25	6 mm

When the wire gauge is less than 0.75mm², it's better to use the auxiliary pin assembly tool TL15.

Tools

Crimping tool



Contact removal tool



Wire gauge	Designation	Order No.
0.14-4mm ²	TL02G	198 001 001 0011
For the crimping contacts and removing contacts instructions, please find the page 06-23~06-24.		
Application	Designation	Order No.
for crimp contacts 10A	TL00	198 001 000 0001

More tools detail please find the page32-03~32-06.

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

HD-025 Ultra-high density inserts

250V 10A 25+

Inserts

Hoods/Housings : size 16A, detail please find the page15-19~15-20.

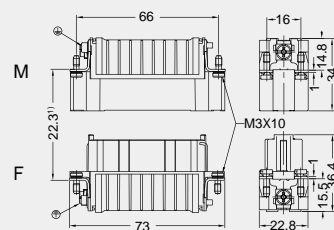
Crimp terminal

Order crimp contacts separately

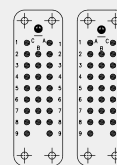


Insert	Designation	Order No.
Male	HD-025-MC	125 025 010 0001
Female	HD-025-FC	125 025 020 0001

1) Distance for contact max. 24 mm

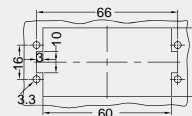


Contact arrangement view from termination side



M F

Panel cut out for inserts for use without hoods/housings



Crimp contacts

Crimp contacts 10A

Contact resistance 3m silver plated

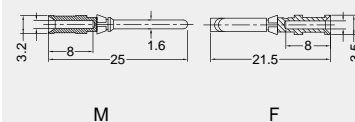


gold plated



More crimp contacts 10A see P13-02,P13-03.

Male	Designation	Female	Designation
CDSM -0.25	101 017 110 0101	CDSF -0.25	101 017 120 0101
CDSM -0.37	101 017 110 0301	CDSF -0.37	101 017 120 0301
CDSM -0.50	101 017 110 0401	CDSF -0.50	101 017 120 0401
CDSM -0.75	101 017 110 0601	CDSF -0.75	101 017 120 0601
CDSM -1.0	101 017 110 0801	CDSF -1.0	101 017 120 0801
CDSM -1.5	101 017 110 0901	CDSF -1.5	101 017 120 0901
CDSM -2.5	101 017 110 1001	CDSF -2.5	101 017 120 1001
CDGM -0.25	101 017 210 0101	CDGF -0.25	101 017 220 0101
CDGM -0.37	101 017 210 0301	CDGF -0.37	101 017 220 0301
CDGM -0.50	101 017 210 0401	CDGF -0.50	101 017 220 0401
CDGM -0.75	101 017 210 0601	CDGF -0.75	101 017 220 0601
CDGM -1.0	101 017 210 0801	CDGF -1.0	101 017 220 0801
CDGM -1.5	101 017 210 0901	CDGF -1.5	101 017 220 0901
CDGM -2.5	101 017 210 1001	CDGF -2.5	101 017 220 1001



Wire gauge	φ	Stripping length
0.14 - 0.37 mm ² AWG 26 - 22	0.9	8 mm
0.5 mm ² AWG 20	1.1	8 mm
0.75 mm ² AWG 18	1.3	8 mm
1 mm ² AWG 18	1.45	8 mm
1.5 mm ² AWG 16	1.75	8 mm
2.5 mm ² AWG 14	2.25	6 mm

When the wire gauge is less than 0.75mm², it's better to use the auxiliary pin assembly tool TL15.

Tools

Crimping tool



Contact removal tool



Wire gauge	Designation	Order No.
0.14 - 4mm ²	TL02G	198 001 001 0011
Application	Designation	Order No.
for crimp contacts 10A	TL00	198 001 000 0001

For the crimping contacts and removing contacts instructions, please find the page 06-23~06-24.

More tools detail please find the page32-03~32-06.

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

HD-050 Ultra-high density inserts

250V 10A 50+



Inserts

Hoods/Housings: size 32A, please find the details on page 15-21~15-24.

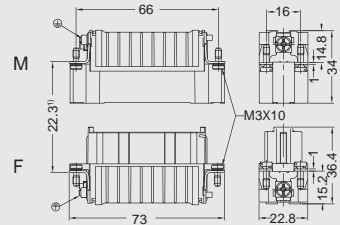
Crimp terminal

Order crimp contacts separately

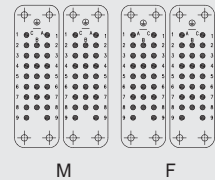


Insert	Designation	Order No.
Male	HD - 025 - MC	125 025 010 0001
	HD - 025 - MC(Z)	125 025 010 0002
Female	HD - 025 - FC	125 025 020 0001
	HD - 025 - FC(Z)	125 025 020 0002

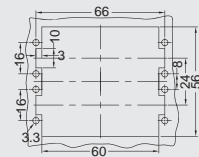
1) Distance for contact max. 24 mm



Contact arrangement view from termination side



Panel cut out for inserts for use without hoods/housings



Crimp contacts

Crimp contacts 10A

Contact resistance 3m silver plated

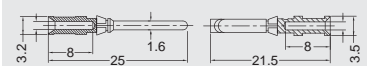


gold plated



More crimp contacts 10A see P13-02,P13-03.

Male	Designation	Female	Designation
CDSM - 0.25	101 017 110 0101	CDSF - 0.25	101 017 120 0101
CDSM - 0.37	101 017 110 0301	CDSF - 0.37	101 017 120 0301
CDSM - 0.50	101 017 110 0401	CDSF - 0.50	101 017 120 0401
CDSM - 0.75	101 017 110 0601	CDSF - 0.75	101 017 120 0601
CDSM - 1.0	101 017 110 0801	CDSF - 1.0	101 017 120 0801
CDSM - 1.5	101 017 110 0901	CDSF - 1.5	101 017 120 0901
CDSM - 2.5	101 017 110 1001	CDSF - 2.5	101 017 120 1001
CDGM - 0.25	101 017 210 0101	CDGF - 0.25	101 017 220 0101
CDGM - 0.37	101 017 210 0301	CDGF - 0.37	101 017 220 0301
CDGM - 0.50	101 017 210 0401	CDGF - 0.50	101 017 220 0401
CDGM - 0.75	101 017 210 0601	CDGF - 0.75	101 017 220 0601
CDGM - 1.0	101 017 210 0801	CDGF - 1.0	101 017 220 0801
CDGM - 1.5	101 017 210 0901	CDGF - 1.5	101 017 220 0901
CDGM - 2.5	101 017 210 1001	CDGF - 2.5	101 017 220 1001



M F

Wire gauge	Φ	Stripping length
0.14-0.37 mm ² AWG 26-22	0.9	8 mm
0.5 mm ² AWG 20	1.1	8 mm
0.75 mm ² AWG 18	1.3	8 mm
1 mm ² AWG 18	1.45	8 mm
1.5 mm ² AWG 16	1.75	8 mm
2.5 mm ² AWG 14	2.25	6 mm

When the wire gauge is less than 0.75mm², it's better to use the auxiliary pin assembly tool TL15.

Tools

Crimping tool



Contact removal tool



Wire gauge	Designation	Order No.
0.14-4mm ²	TL02G	198 001 001 0011


For the crimping contacts and removing contacts instructions, please find the page 06-23~06-24.

Application	Designation	Order No.
for crimp contacts 10A	TL00	198 001 000 0001

More tools detail please find the page 32-03~32-06.

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

HD-040 Ultra-high density inserts

250V 10A 40+ 



Inserts

Hoods/Housings: size 16B, please find the details on page 15-70~15-107.

Crimp terminal

Order crimp contacts separately



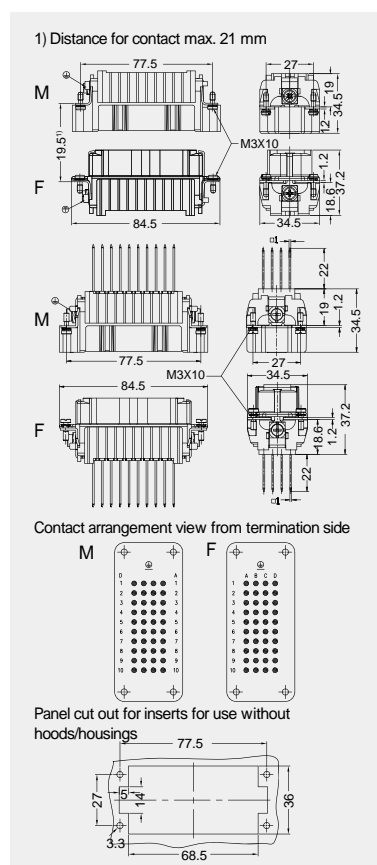
Insert	Designation	Order No.
Male	HD-040-MC	125 040 010 0001
Female	HD-040-FC	125 040 020 0001

Wrap terminal¹⁾ 1x1 mm



Insert	Designation	Order No.
Male	HD-040-MTHT	125 040 014 0001
Female	HD-040-FTHT	125 040 024 0001

1) See P00-35 for the structural characteristics of wrap terminal.



Crimp contacts

Crimp contacts 10A

Contact resistance 3m silver plated

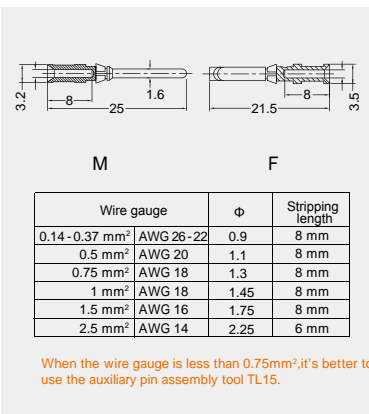


gold plated



More crimp contacts 10A see P13-02,P13-03.

Male	Designation	Female	Designation
CDSM-0.25	101 017 110 0101	CDSF-0.25	101 017 120 0101
CDSM-0.37	101 017 110 0301	CDSF-0.37	101 017 120 0301
CDSM-0.50	101 017 110 0401	CDSF-0.50	101 017 120 0401
CDSM-0.75	101 017 110 0601	CDSF-0.75	101 017 120 0601
CDSM-1.0	101 017 110 0801	CDSF-1.0	101 017 120 0801
CDSM-1.5	101 017 110 0901	CDSF-1.5	101 017 120 0901
CDSM-2.5	101 017 110 1001	CDSF-2.5	101 017 120 1001
CDGM-0.25	101 017 210 0101	CDGF-0.25	101 017 220 0101
CDGM-0.37	101 017 210 0301	CDGF-0.37	101 017 220 0301
CDGM-0.50	101 017 210 0401	CDGF-0.50	101 017 220 0401
CDGM-0.75	101 017 210 0601	CDGF-0.75	101 017 220 0601
CDGM-1.0	101 017 210 0801	CDGF-1.0	101 017 220 0801
CDGM-1.5	101 017 210 0901	CDGF-1.5	101 017 220 0901
CDGM-2.5	101 017 210 1001	CDGF-2.5	101 017 220 1001



Tools

Crimping tool



Contact removal tool



Wire gauge	Designation	Order No.
0.14 - 4mm ²	TL02G	198 001 001 0011

For the crimping contacts and removing contacts instructions, please find the page 06-23~06-24.

Application	Designation	Order No.
for crimp contacts 10A	TL00	198 001 000 0001

More tools detail please find the page 32-03~32-06.

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

HD-040 Ultra-high density inserts

250V 10A 40+ 

CE 

Inserts

Hoods/Housings: size 16B, please find the details on page 15-70~15-107.

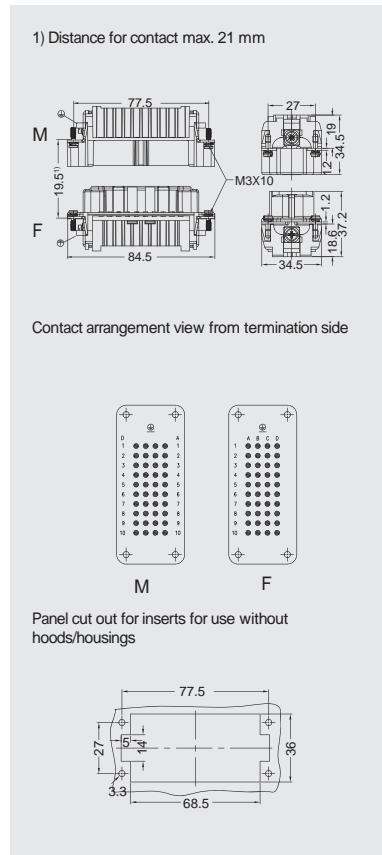
Crimp terminal

Order stamped contacts separately



The insert only matches 10A stamped contacts.

Insert	Designation	Order No.
Male	HD - 040 - MC/P	125 040 010 0021
Female	HD - 040 - FC/P	125 040 020 0021



Crimp contacts

Stampede contacts 10A

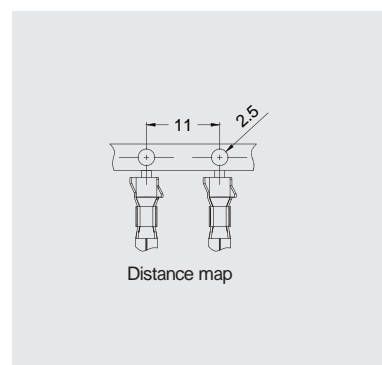
silver plated



coil stock



Wire gauge	contacts	Designation	Order No.
0.5 - 1.5mm ²	male	CDSM - 1.5P	101 017 110 0905
	female	CDSF - 1.5P	101 017 120 0905
1.5 - 2.5mm ²	male	CDSM - 2.5P	101 017 110 1005
	female	CDSF - 2.5P	101 017 120 1005



Tools

Crimping tool



Contact removal tool



Wire gauge	Designation	Order No.
0.5 - 2.5mm ²	TL14	198 001 001 0022

Application	Designation	Order No.
10A male contacts	TL00	198 001 000 0001
10A female contacts	TL13	198 001 000 0025

More tools detail please find the page 32-03~32-06.

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

HD-064 Ultra-high density inserts

250V 10A 64+

Inserts

Hoods/Housings: size 24B, please find the details on page 15-108~15-150.

Crimp terminal

Order crimp contacts separately



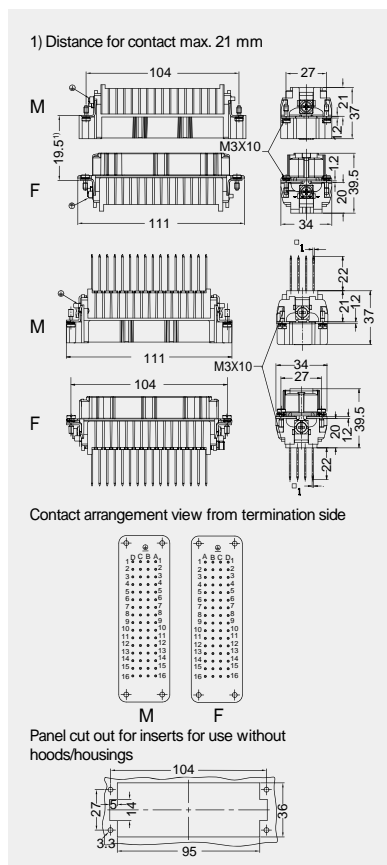
Insert	Designation	Order No.
Male	HD-064-MC	125 064 010 0001
Female	HD-064-FC	125 064 020 0001

Wrap terminal¹⁾ 1x1 mm



Insert	Designation	Order No.
Male	HD-064-MTHT	125 064 014 0001
Female	HD-064-FTHT	125 064 024 0001

1) See P00-35 for the structural characteristics of wrap terminal.



Crimp contacts

Crimp contacts 10A

Contact resistance 3m silver plated

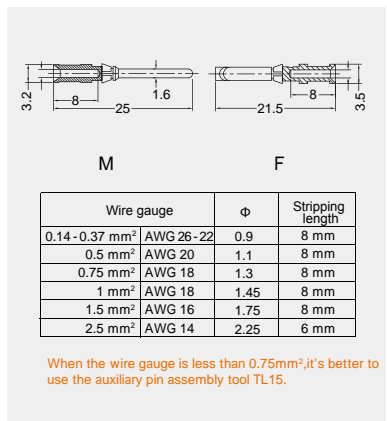


gold plated



More crimp contacts 10A see P13-02, P13-03.

Male	Designation	Female	Designation
CDSM-0.25	101 017 110 0101	CDSF-0.25	101 017 120 0101
CDSM-0.37	101 017 110 0301	CDSF-0.37	101 017 120 0301
CDSM-0.50	101 017 110 0401	CDSF-0.50	101 017 120 0401
CDSM-0.75	101 017 110 0601	CDSF-0.75	101 017 120 0601
CDSM-1.0	101 017 110 0801	CDSF-1.0	101 017 120 0801
CDSM-1.5	101 017 110 0901	CDSF-1.5	101 017 120 0901
CDSM-2.5	101 017 110 1001	CDSF-2.5	101 017 120 1001
CDGM-0.25	101 017 210 0101	CDGF-0.25	101 017 220 0101
CDGM-0.37	101 017 210 0301	CDGF-0.37	101 017 220 0301
CDGM-0.50	101 017 210 0401	CDGF-0.50	101 017 220 0401
CDGM-0.75	101 017 210 0601	CDGF-0.75	101 017 220 0601
CDGM-1.0	101 017 210 0801	CDGF-1.0	101 017 220 0801
CDGM-1.5	101 017 210 0901	CDGF-1.5	101 017 220 0901
CDGM-2.5	101 017 210 1001	CDGF-2.5	101 017 220 1001



Tools

Crimping tool



Contact removal tool



Wire gauge	Designation	Order No.
0.14 - 4mm ²	TL02G	198 001 001 0011

For the crimping contacts and removing contacts instructions, please find the page 06-23~06-24.

Application	Designation	Order No.
for crimp contacts 10A	TL00	198 001 000 0001

More tools detail please find the page 32-03~32-06.

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

HD-064 Ultra-high density inserts

250V 10A 64+ 

CE 

Inserts

Hoods/Housings: size 24B, please find the details on page 15-108~15-150.

Crimp terminal

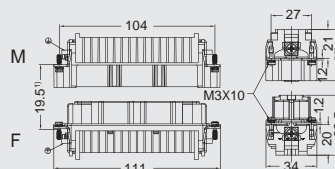
Order stamped contacts separately



The insert only matches 10A stamped contacts.

Insert	Designation	Order No.
Male	HD - 064 - MC/P	125 064 010 0021
Female	HD - 064 - FC/P	125 064 020 0021

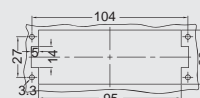
1) Distance for contact max. 21 mm



Contact arrangement view from termination side



Panel cut out for inserts for use without hoods/housings



Crimp contacts

Stampede contacts 10A

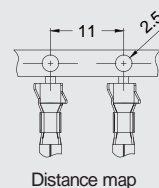
silver plated



coil stock



Wire gauge	contacts	Designation	Order No.
0.5 - 1.5mm ²	male	CDSM - 1.5P	101 017 110 0905
	female	CDSF - 1.5P	101 017 120 0905
1.5 - 2.5mm ²	male	CDSM - 2.5P	101 017 110 1005
	female	CDSF - 2.5P	101 017 120 1005



Distance map

Tools

Crimping tool



Contact removal tool



Wire gauge	Designation	Order No.
0.5 - 2.5mm ²	TL14	198 001 001 0022

Application	Designation	Order No.
10A male contacts	TL00	198 001 000 0001
10A female contacts	TL13	198 001 000 0025

More tools detail please find the page 32 - 03~32 - 06.

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

HD-128 Ultra-high density inserts

250V 10A 128+



Inserts

Hoods/Housings: size **48B**, please find the details on page 15-160~15-162.

Crimp terminal

Order crimp contacts separately



Insert	Designation	Order No.
Male	HD - 064 - MC	125 064 010 0001
	HD - 064 - MC(Z) ¹⁾	125 064 010 0002
Female	HD - 064 - FC	125 064 020 0001
	HD - 064 - FC(Z) ¹⁾	125 064 020 0002

1) Z represents large size digital plug.

1) Distance for contact max. 21 mm

Contact arrangement view from termination side

Panel cut out for inserts for use without hoods/housings

Crimp contacts

Crimp contacts 10A

Contact resistance 3m
silver plated



gold plated



More crimp contacts 10A
see P13-02,P13-03.

Male	Designation	Female	Designation
CDSM - 0.25	101 017 110 0101	CDSF - 0.25	101 017 120 0101
CDSM - 0.37	101 017 110 0301	CDSF - 0.37	101 017 120 0301
CDSM - 0.50	101 017 110 0401	CDSF - 0.50	101 017 120 0401
CDSM - 0.75	101 017 110 0601	CDSF - 0.75	101 017 120 0601
CDSM - 1.0	101 017 110 0801	CDSF - 1.0	101 017 120 0801
CDSM - 1.5	101 017 110 0901	CDSF - 1.5	101 017 120 0901
CDSM - 2.5	101 017 110 1001	CDSF - 2.5	101 017 120 1001
CDGM - 0.25	101 017 210 0101	CDGF - 0.25	101 017 220 0101
CDGM - 0.37	101 017 210 0301	CDGF - 0.37	101 017 220 0301
CDGM - 0.50	101 017 210 0401	CDGF - 0.50	101 017 220 0401
CDGM - 0.75	101 017 210 0601	CDGF - 0.75	101 017 220 0601
CDGM - 1.0	101 017 210 0801	CDGF - 1.0	101 017 220 0801
CDGM - 1.5	101 017 210 0901	CDGF - 1.5	101 017 220 0901
CDGM - 2.5	101 017 210 1001	CDGF - 2.5	101 017 220 1001

Wire gauge	Φ	Stripping length
0.14 - 0.37 mm ² AWG 26-22	0.9	8 mm
0.5 mm ² AWG 20	1.1	8 mm
0.75 mm ² AWG 18	1.3	8 mm
1 mm ² AWG 18	1.45	8 mm
1.5 mm ² AWG 16	1.75	8 mm
2.5 mm ² AWG 14	2.25	6 mm

When the wire gauge is less than 0.75mm², it's better to use the auxiliary pin assembly tool TL15.

Tools

Crimping tool



Contact removal tool



Wire gauge	Designation	Order No.
0.14 - 4mm ²	TL02G	198 001 001 0011

For the crimping contacts and removing contacts instructions, please find the page 06-23~06-24.

Application	Designation	Order No.
for crimp contacts 10A	TL00	198 001 000 0001

More tools detail please find the page 32-03~32-06.

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

HDD-024 Ultra-high density inserts

250V 10A 24+

Inserts

Hoods/Housings: size 6B, please find the details on page 15-25~15-38.

Crimp terminal

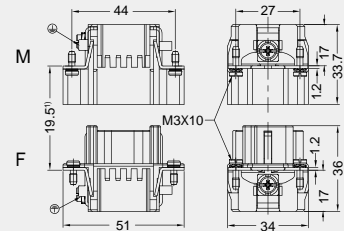
Order crimp contacts separately



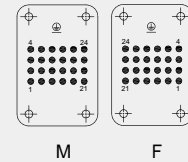
Insert	Designation	Order No.
Male	HDD-024-MC ¹⁾	126 024 010 0001
Female	HDD-024-FC ¹⁾	126 024 020 0001

1).can match PCB adapter,see page 14-02~14-03.

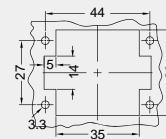
1) Distance for contact max. 21 mm



Contact arrangement view from termination side



Panel cut out for inserts for use without hoods/housings



Crimp contacts

Crimp contacts 10A

Contact resistance 3m silver plated

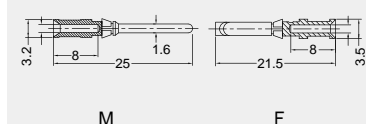


gold plated



More crimp contacts 10A see P13-02,P13-03.

Male	Designation	Female	Designation
CDSM-0.25	101 017 110 0101	CDSF-0.25	101 017 120 0101
CDSM-0.37	101 017 110 0301	CDSF-0.37	101 017 120 0301
CDSM-0.50	101 017 110 0401	CDSF-0.50	101 017 120 0401
CDSM-0.75	101 017 110 0601	CDSF-0.75	101 017 120 0601
CDSM-1.0	101 017 110 0801	CDSF-1.0	101 017 120 0801
CDSM-1.5	101 017 110 0901	CDSF-1.5	101 017 120 0901
CDSM-2.5	101 017 110 1001	CDSF-2.5	101 017 120 1001
CDGM-0.25	101 017 210 0101	CDGF-0.25	101 017 220 0101
CDGM-0.37	101 017 210 0301	CDGF-0.37	101 017 220 0301
CDGM-0.50	101 017 210 0401	CDGF-0.50	101 017 220 0401
CDGM-0.75	101 017 210 0601	CDGF-0.75	101 017 220 0601
CDGM-1.0	101 017 210 0801	CDGF-1.0	101 017 220 0801
CDGM-1.5	101 017 210 0901	CDGF-1.5	101 017 220 0901
CDGM-2.5	101 017 210 1001	CDGF-2.5	101 017 220 1001



Wire gauge	φ	Stripping length
0.14-0.37 mm ² AWG 26-22	0.9	8 mm
0.5 mm ² AWG 20	1.1	8 mm
0.75 mm ² AWG 18	1.3	8 mm
1 mm ² AWG 18	1.45	8 mm
1.5 mm ² AWG 16	1.75	8 mm
2.5 mm ² AWG 14	2.25	6 mm

When the wire gauge is less than 0.75mm², it's better to use the auxiliary pin assembly tool TL15.

Tools

Crimping tool



Contact removal tool



Wire gauge	Designation	Order No.
0.14-4mm ²	TL02G	198 001 001 0011

For the crimping contacts and removing contacts instructions, please find the page 06-23~06-24.

Application	Designation	Order No.
for crimp contacts 10A	TL00	198 001 000 0001

More tools detail please find the page 32-03~32-06.

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

HDD-042 Ultra-high density inserts

250V 10A 42+



Inserts

Hoods/Housings: size 10B, please find the details on page 15-39~15-69.

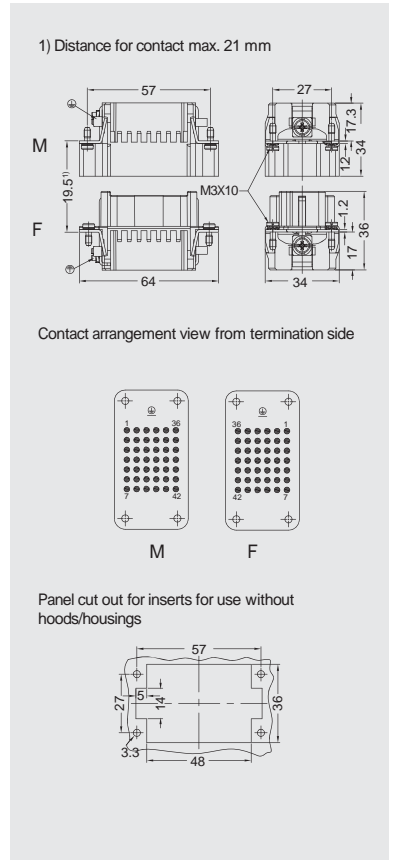
Crimp terminal

Order crimp contacts separately



Insert	Designation	Order No.
Male	HDD -042 - MC ¹⁾	126 042 010 0001
Female	HDD -042 - FC ¹⁾	126 042 020 0001

1).can match PCB adapter,see page 14 -02~14 -03.



HDD

Crimp contacts

Crimp contacts 10A

Contact resistance 3m
silver plated

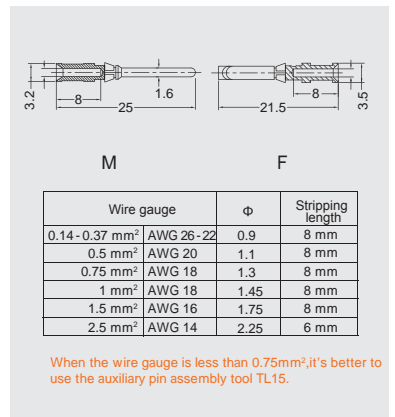


gold plated



More crimp contacts 10A
see P13 -02,P13 -03.

Male	Designation	Female	Designation
CDSM -0.25	101 017 110 0101	CDSF -0.25	101 017 120 0101
CDSM -0.37	101 017 110 0301	CDSF -0.37	101 017 120 0301
CDSM -0.50	101 017 110 0401	CDSF -0.50	101 017 120 0401
CDSM -0.75	101 017 110 0601	CDSF -0.75	101 017 120 0601
CDSM -1.0	101 017 110 0801	CDSF -1.0	101 017 120 0801
CDSM -1.5	101 017 110 0901	CDSF -1.5	101 017 120 0901
CDSM -2.5	101 017 110 1001	CDSF -2.5	101 017 120 1001
CDGM -0.25	101 017 210 0101	CDGF -0.25	101 017 220 0101
CDGM -0.37	101 017 210 0301	CDGF -0.37	101 017 220 0301
CDGM -0.50	101 017 210 0401	CDGF -0.50	101 017 220 0401
CDGM -0.75	101 017 210 0601	CDGF -0.75	101 017 220 0601
CDGM -1.0	101 017 210 0801	CDGF -1.0	101 017 220 0801
CDGM -1.5	101 017 210 0901	CDGF -1.5	101 017 220 0901
CDGM -2.5	101 017 210 1001	CDGF -2.5	101 017 220 1001



Tools

Crimping tool



Contact removal tool



Wire gauge	Designation	Order No.
0.14 - 4mm ²	TL02G	198 001 001 0011

For the crimping contacts and removing contacts instructions, please find the page 06 -23~06 -24.

Application	Designation	Order No.
for crimp contacts 10A	TL00	198 001 000 0001

More tools detail please find the page32 -03~32 -06.

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

HDD-072 Ultra-high density inserts

250V 10A 72+ ⚡



Inserts

Hoods/Housings: size 16B, please find the details on page 15-70~15-107.

Crimp terminal

Order crimp contacts separately



Insert	Designation	Order No.
Male	HDD-072-MC ¹⁾	126 072 010 0001
Female	HDD-072-FC ¹⁾	126 072 020 0001

1).can match PCB adapter,see page 14-02~14-03.

1) Distance for contact max. 21 mm

Contact arrangement view from termination side

Panel cut out for inserts for use without hoods/housings

Crimp contacts

Crimp contacts 10A

Contact resistance 3m silver plated



gold plated



More crimp contacts 10A see P13-02,P13-03.

Male	Designation	Female	Designation
CDSM-0.25	101 017 110 0101	CDSF-0.25	101 017 120 0101
CDSM-0.37	101 017 110 0301	CDSF-0.37	101 017 120 0301
CDSM-0.50	101 017 110 0401	CDSF-0.50	101 017 120 0401
CDSM-0.75	101 017 110 0601	CDSF-0.75	101 017 120 0601
CDSM-1.0	101 017 110 0801	CDSF-1.0	101 017 120 0801
CDSM-1.5	101 017 110 0901	CDSF-1.5	101 017 120 0901
CDSM-2.5	101 017 110 1001	CDSF-2.5	101 017 120 1001
CDGM-0.25	101 017 210 0101	CDGF-0.25	101 017 220 0101
CDGM-0.37	101 017 210 0301	CDGF-0.37	101 017 220 0301
CDGM-0.50	101 017 210 0401	CDGF-0.50	101 017 220 0401
CDGM-0.75	101 017 210 0601	CDGF-0.75	101 017 220 0601
CDGM-1.0	101 017 210 0801	CDGF-1.0	101 017 220 0801
CDGM-1.5	101 017 210 0901	CDGF-1.5	101 017 220 0901
CDGM-2.5	101 017 210 1001	CDGF-2.5	101 017 220 1001

Wire gauge	φ	Stripping length
0.14-0.37 mm ² AWG 26-22	0.9	8 mm
0.5 mm ² AWG 20	1.1	8 mm
0.75 mm ² AWG 18	1.3	8 mm
1 mm ² AWG 18	1.45	8 mm
1.5 mm ² AWG 16	1.75	8 mm
2.5 mm ² AWG 14	2.25	6 mm

When the wire gauge is less than 0.75mm², it's better to use the auxiliary pin assembly tool TL15.

Tools

Crimping tool



Contact removal tool



Wire gauge	Designation	Order No.
0.14-4mm ²	TL02G	198 001 001 0011

For the crimping contacts and removing contacts instructions, please find the page 06-23~06-24.

Application	Designation	Order No.
for crimp contacts 10A	TL00	198 001 000 0001

More tools detail please find the page 32-03~32-06.

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

HDD-108 Ultra-high density inserts

250V 10A 108+



Inserts

Hoods/Housings: size 24B, please find the details on page 15-108~15-150.

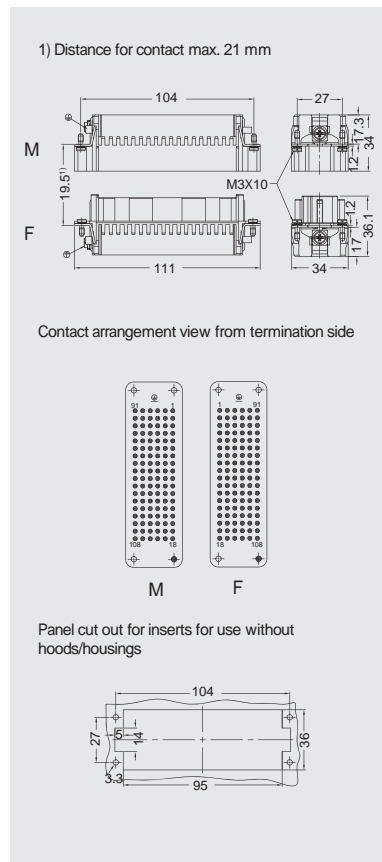
Crimp terminal

Order crimp contacts separately



Insert	Designation	Order No.
Male	HDD - 108 - MC ¹⁾	126 108 010 0001
Female	HDD - 108 - FC ¹⁾	126 108 020 0001

1).can match PCB adapter,see page 14 - 02~14 - 03.



HDD

Crimp contacts

Crimp contacts 10A

Contact resistance 3m
silver plated

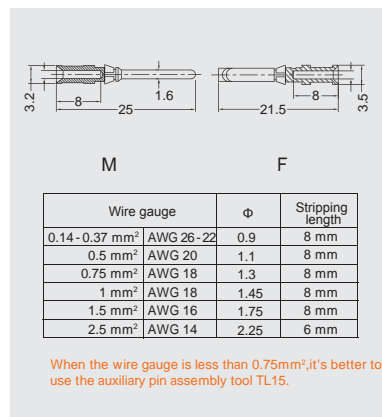


gold plated



More crimp contacts 10A
see P13 - 02,P13 - 03.

Male	Designation	Female	Designation
CDSM - 0.25	101 017 110 0101	CDSF - 0.25	101 017 120 0101
CDSM - 0.37	101 017 110 0301	CDSF - 0.37	101 017 120 0301
CDSM - 0.50	101 017 110 0401	CDSF - 0.50	101 017 120 0401
CDSM - 0.75	101 017 110 0601	CDSF - 0.75	101 017 120 0601
CDSM - 1.0	101 017 110 0801	CDSF - 1.0	101 017 120 0801
CDSM - 1.5	101 017 110 0901	CDSF - 1.5	101 017 120 0901
CDSM - 2.5	101 017 110 1001	CDSF - 2.5	101 017 120 1001
CDGM - 0.25	101 017 210 0101	CDGF - 0.25	101 017 220 0101
CDGM - 0.37	101 017 210 0301	CDGF - 0.37	101 017 220 0301
CDGM - 0.50	101 017 210 0401	CDGF - 0.50	101 017 220 0401
CDGM - 0.75	101 017 210 0601	CDGF - 0.75	101 017 220 0601
CDGM - 1.0	101 017 210 0801	CDGF - 1.0	101 017 220 0801
CDGM - 1.5	101 017 210 0901	CDGF - 1.5	101 017 220 0901
CDGM - 2.5	101 017 210 1001	CDGF - 2.5	101 017 220 1001



Tools

Crimping tool



Contact removal tool



Wire gauge	Designation	Order No.
0.14 - 4mm ²	TL02G	198 001 001 0011

For the crimping contacts and removing contacts instructions, please find the page 06 - 23~06 - 24.

Application	Designation	Order No.
for crimp contacts 10A	TL00	198 001 000 0001

More tools detail please find the page 32 - 03~32 - 06.

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

HDD-108 Ultra-high density inserts

200V 7.5A 108+⚡



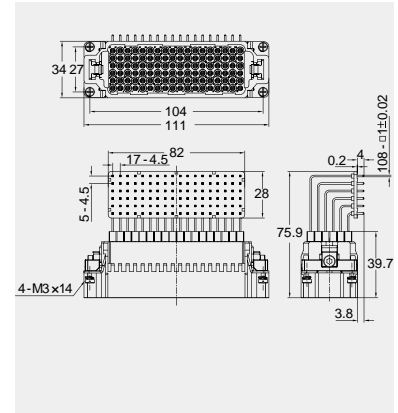
Inserts

Hoods/Housings: This kind of insert only match with W24B-RBK housing

Soldered PCB connection



Insert	Designation	Order No.
Male	HDD - 108 - MSHT	126 108 013 1001



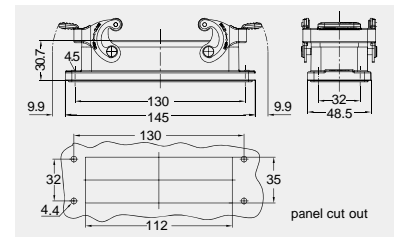
Bulkhead Mounted Housings

(Assemble the inserts in reverse direction)

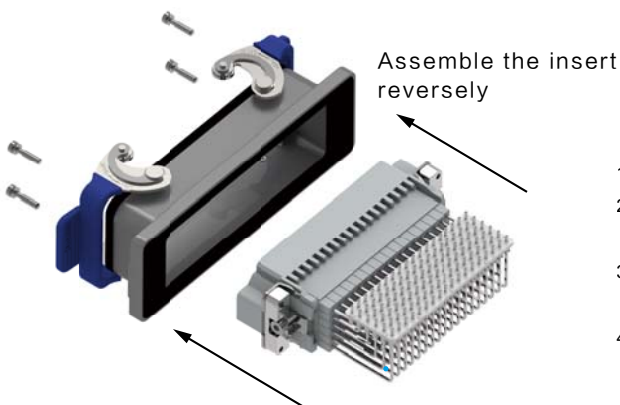


Thread	Designation	Order No.
---	W24B - RBK - 2L/SC	111 124 341 1003

Please refer to page 15 - 02 for choosing proper model of lock.



Product features



1. Ultra - high density insert: 108pin.
2. By welding manner, the assembly efficiency is much higher than the traditional wiring methods.
3. Specially designed housing makes sure that the insert can be assembled in reverse, which is convenient for installation and maintenance in practical application.
4. 90 degree pcb soldering termination design , quick and convenient.

HDD-144 Ultra-high density inserts

250V 10A 144+



Inserts

Hoods/Housings: size 32B, please find the details on page 15-151~15-159.

Crimp terminal

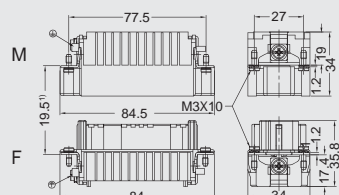
Order crimp contacts separately



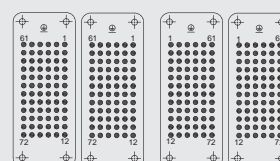
Insert	Designation	Order No.
Male	HDD - 072 - MC ¹⁾	126 072 010 0001
	HDD - 072 - MC(73 - 144) ¹⁾	126 072 010 0002
Female	HDD - 072 - FC ¹⁾	126 072 020 0001
	HDD - 072 - FC(73 - 144) ¹⁾	126 072 020 0002

1).can match PCB adapter,see page 14 - 02~14 - 03.

1) Distance for contact max. 21 mm



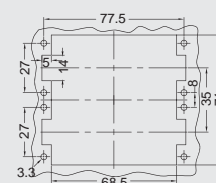
Contact arrangement view from termination side



M

F

Panel cut out for inserts for use without hoods/housings



Crimp contacts

Crimp contacts 10A

Contact resistance 3m silver plated

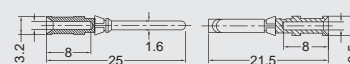


gold plated



More crimp contacts 10A see P13 - 02,P13 - 03.

Male	Designation	Female	Designation
CDSM - 0.25	101 017 110 0101	CDSF - 0.25	101 017 120 0101
CDSM - 0.37	101 017 110 0301	CDSF - 0.37	101 017 120 0301
CDSM - 0.50	101 017 110 0401	CDSF - 0.50	101 017 120 0401
CDSM - 0.75	101 017 110 0601	CDSF - 0.75	101 017 120 0601
CDSM - 1.0	101 017 110 0801	CDSF - 1.0	101 017 120 0801
CDSM - 1.5	101 017 110 0901	CDSF - 1.5	101 017 120 0901
CDSM - 2.5	101 017 110 1001	CDSF - 2.5	101 017 120 1001
CDGM - 0.25	101 017 210 0101	CDGF - 0.25	101 017 220 0101
CDGM - 0.37	101 017 210 0301	CDGF - 0.37	101 017 220 0301
CDGM - 0.50	101 017 210 0401	CDGF - 0.50	101 017 220 0401
CDGM - 0.75	101 017 210 0601	CDGF - 0.75	101 017 220 0601
CDGM - 1.0	101 017 210 0801	CDGF - 1.0	101 017 220 0801
CDGM - 1.5	101 017 210 0901	CDGF - 1.5	101 017 220 0901
CDGM - 2.5	101 017 210 1001	CDGF - 2.5	101 017 220 1001



M

F

Wire gauge	Φ	Stripping length
0.14 - 0.37 mm ² AWG 26-22	0.9	8 mm
0.5 mm ² AWG 20	1.1	8 mm
0.75 mm ² AWG 18	1.3	8 mm
1 mm ² AWG 18	1.45	8 mm
1.5 mm ² AWG 16	1.75	8 mm
2.5 mm ² AWG 14	2.25	6 mm

When the wire gauge is less than 0.75mm²,it's better to use the auxiliary pin assembly tool TL15.

Tools

Crimping tool



Contact removal tool



Wire gauge	Designation	Order No.
0.14 - 4mm ²	TL02G	198 001 001 0011

For the crimping contacts and removing contacts instructions, please find the page 06 - 23~06 - 24.

Application	Designation	Order No.
for crimp contacts 10A	TL00	198 001 000 0001

More tools detail please find the page 32 - 03~32 - 06.

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

HDD-216 Ultra-high density inserts

250V 10A 216+



Inserts

Hoods/Housings: size 48B, please find the details on page 15-160~15-162.

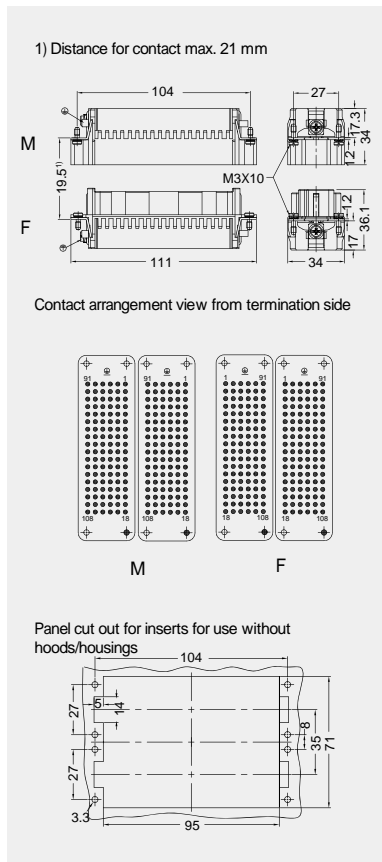
Crimp terminal

Order crimp contacts separately



Insert	Designation	Order No.
Male	HDD - 108 - MC ¹⁾	126 108 010 0001
	HDD - 108 - MC(109 - 216) ¹⁾	126 108 010 0002
Female	HDD - 108 - FC ¹⁾	126 108 020 0001
	HDD - 108 - FC(109 - 216) ¹⁾	126 108 020 0002

1).can match PCB adapter,see page 14 -02 -14 -03.



Crimp contacts

Crimp contacts 10A

Contact resistance 3m silver plated

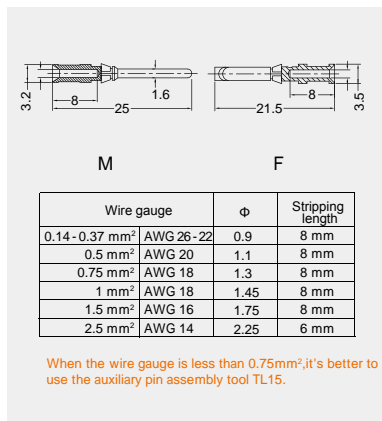


gold plated



More crimp contacts 10A see P13 -02,P13 -03.

Male	Designation	Female	Designation
CDSM -0.25	101 017 110 0101	CDSF -0.25	101 017 120 0101
CDSM -0.37	101 017 110 0301	CDSF -0.37	101 017 120 0301
CDSM -0.50	101 017 110 0401	CDSF -0.50	101 017 120 0401
CDSM -0.75	101 017 110 0601	CDSF -0.75	101 017 120 0601
CDSM -1.0	101 017 110 0801	CDSF -1.0	101 017 120 0801
CDSM -1.5	101 017 110 0901	CDSF -1.5	101 017 120 0901
CDSM -2.5	101 017 110 1001	CDSF -2.5	101 017 120 1001
CDGM -0.25	101 017 210 0101	CDGF -0.25	101 017 220 0101
CDGM -0.37	101 017 210 0301	CDGF -0.37	101 017 220 0301
CDGM -0.50	101 017 210 0401	CDGF -0.50	101 017 220 0401
CDGM -0.75	101 017 210 0601	CDGF -0.75	101 017 220 0601
CDGM -1.0	101 017 210 0801	CDGF -1.0	101 017 220 0801
CDGM -1.5	101 017 210 0901	CDGF -1.5	101 017 220 0901
CDGM -2.5	101 017 210 1001	CDGF -2.5	101 017 220 1001



Tools

Crimping tool



Contact removal tool



Wire gauge	Designation	Order No.
0.14 - 4mm ²	TL02G	198 001 001 0011

For the crimping contacts and removing contacts instructions, please find the page 06-23-06-24.

Application	Designation	Order No.
for crimp contacts 10A	TL00	198 001 000 0001

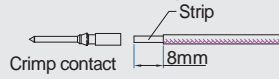
More tools detail please find the page 32 -03 -32 -06.

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

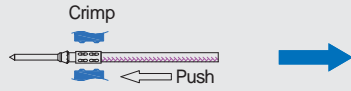
Assembly and removal instructions of D Crimp contact

Assembly

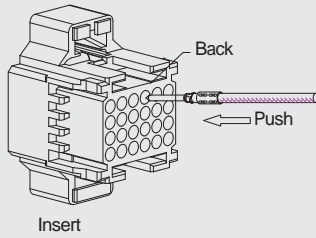
1. Stripped wire, reference length 8 mm ;



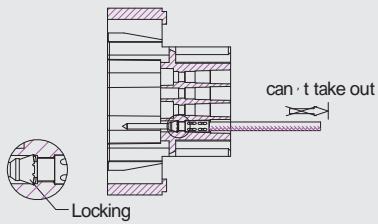
2. Push the wire into the wire guide hole, and crimp ;



3. Push the terminal into the socket ;

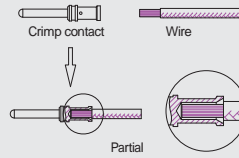


4. Push the terminal at the bottom of hole until heard a 'tick'.



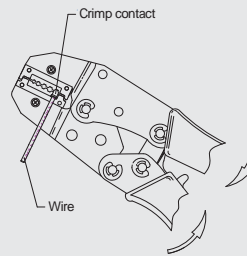
Crimp contact

1. Insert the wire into Crimp contact.

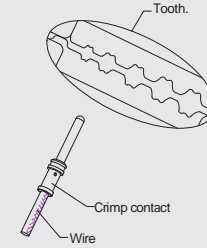


Attention : The pinhole and the wire must match, otherwise it might cause a difficulty during installing wire or a loose connection.

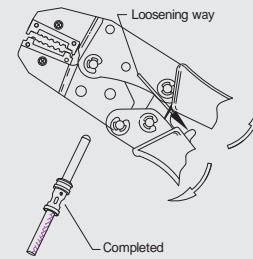
3. Press tightly



2. Insert the contact into the appropriate tooth.



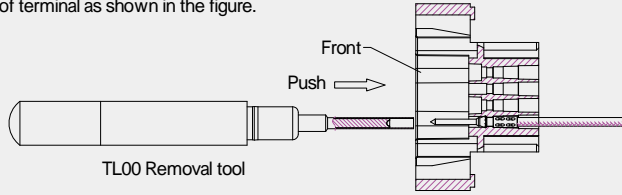
4. Loosen the Crimping tool, take out the crimp contact



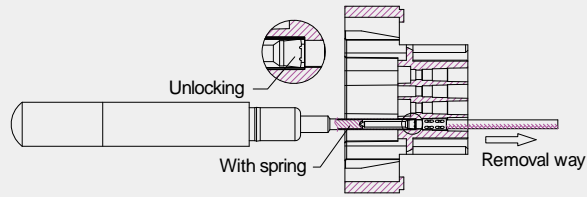
Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Removal

1. Pull the tool into the hole of terminal as shown in the figure.



2. Push the tool at the bottom of hole, then spring the terminal.



3. Remove the terminal.

