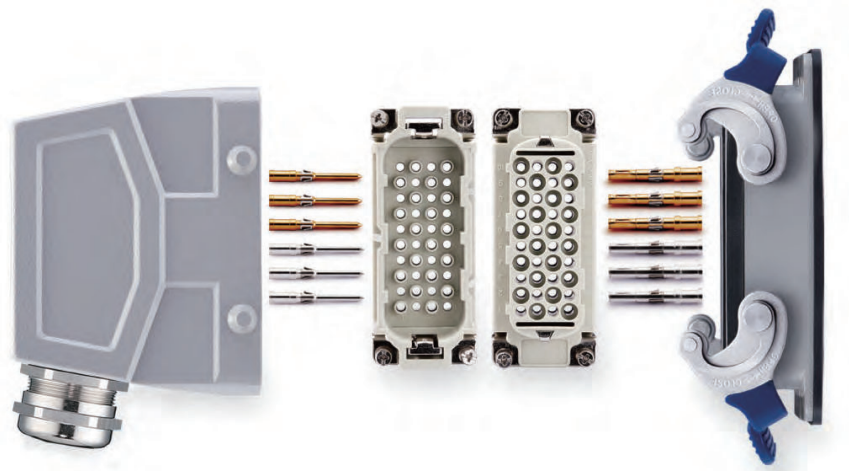


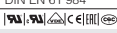
HD HDD SERIES

Ultra-high density connector



HD SERIES Ultra-high density inserts

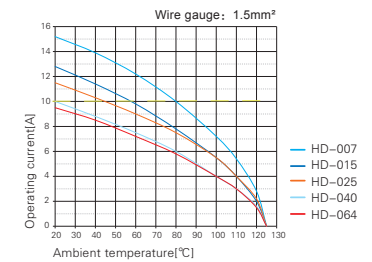
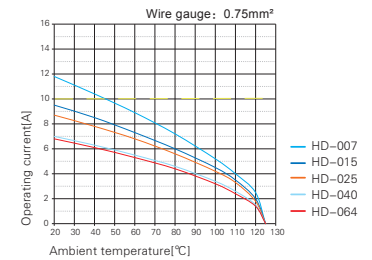
Technical characteristics

Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	
Inserts	
Number of contacts	7,8,15,25,40,50(25x2),64,80(40x2), 128(64x2)+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
HD-008 Electrical data	
-Rated current	10A
-Rated voltage	~50V/-120V
-Rated impulse voltage	0.8kV
-Pollution degree	3
-Rated voltage acc. to UL	50V
-Rated voltage(direct voltage)	120V
Insulation resistance	≥10 ¹⁰ Ω
Material	polycarbonate
Limiting temperatures	-40°C...+125°C
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 Ω
Crimp terminal	
-Wire gauge	0.14~2.5mm ²
-AWG	26~14
Contacts	
Material	copper alloy
Surface	hard-gold plated hard-silver plated
Contact resistance	≤3m Ω
Crimp terminal	
-Wire gauge	0.14~2.5mm ²
-AWG	26~14
Stampede contacts	
Material	copper alloy
Surface	hard-silver plated
Contact resistance	≤5m Ω
Crimp terminal	
-Wire gauge	0.5~1.5mm ² /1.5~2.5mm ²
-AWG	20~16/16~14
-Stripping length	6mm

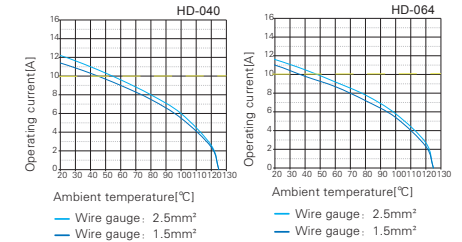
Current carrying capacity

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



Stampede contacts:



HDD SERIES Ultra-high density inserts

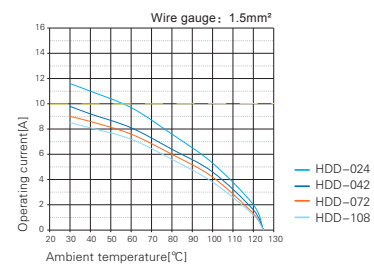
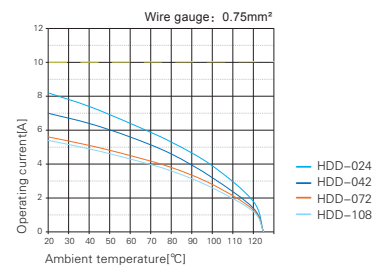
Technical characteristics

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	$\geq 10^{10} \Omega$
Material	polycarbonate
Limiting temperatures	–40°C...+125°C
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	$\leq 3m\Omega$
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

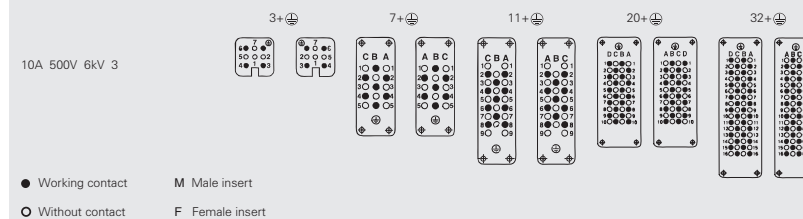


HD HDD Modified contact arrangement up to 500 V

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.

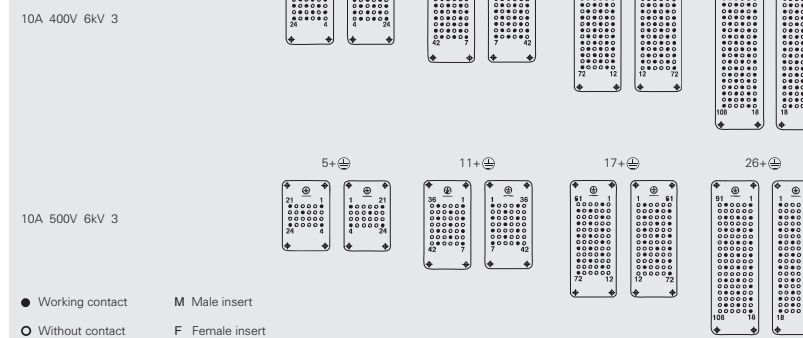
Contact arrangement view from termination side

HD SERIES



Contact arrangement view from termination side

HDD SERIES



HD-007 Ultra-high density inserts

250V 10A 7+ 

Inserts

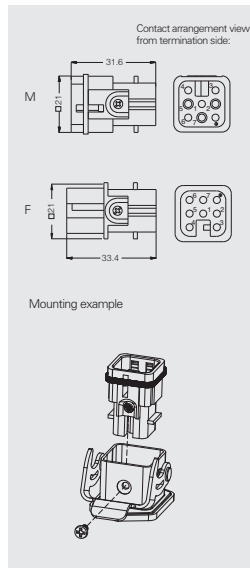
Hoods/Housings: size 3A(only for plastic), please find the details on page 15-06~15-07.

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



HD-008 Ultra-high density inserts

~120V/~50V 10A 8



Inserts

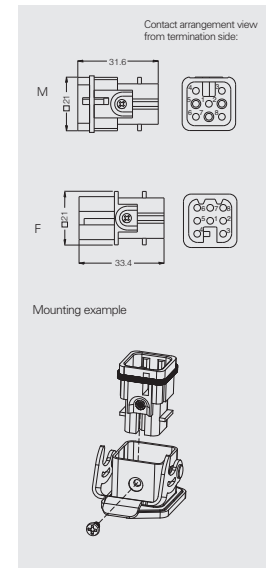
Hoods/Housings: size 3A, please find the details on page 15-06~15-16.

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



Crimp contacts

Crimp contacts 10A

Contact resistance $\leq 3m\Omega$

silver plated



gold plated

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

Tools

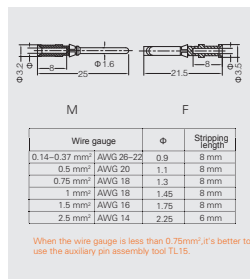
Crimping tool



Contact removal tool



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



Crimp contacts

Crimp contacts 10A

Contact resistance $\leq 3m\Omega$

silver plated



gold plated

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

Tools

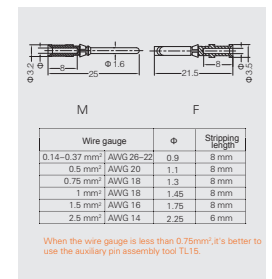
Crimping tool



Contact removal tool



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



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 page 15-17~15-18.

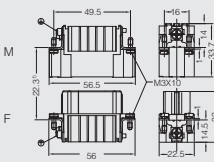
Crimp terminal

Order crimp contacts separately

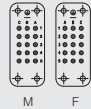


Insert	Designation	Order No.
Male	HD-015-MC	125 015 010 0001
Female	HD-015-FC	125 015 020 0001

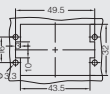
1) Distance for contact max. 24 mm



Contact arrangement view from termination side



Panel cut out for inserts for use without hoods/housings



Crimp contacts

Crimp contacts 10A

Contact resistance ≤ 3m Ω
silver plated

gold plated

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

Tools

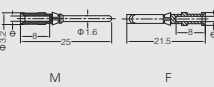
Crimping tool



Contact removal tool



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.

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 page 15-19~15-20.

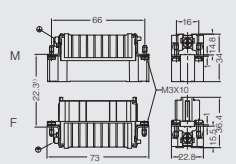
Crimp terminal

Order crimp contacts separately

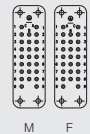


Insert	Designation	Order No.
Male	HD-025-MC	125 025 010 0001
Female	HD-025-FC	125 025 020 0001

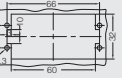
1) Distance for contact max. 24 mm



Contact arrangement view from termination side



Panel cut out for inserts for use without hoods/housings



Crimp contacts

Crimp contacts 10A

Contact resistance ≤ 3m Ω
silver plated

gold plated

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

Tools

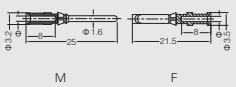
Crimping tool



Contact removal tool



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.

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

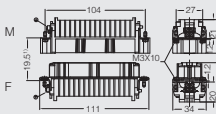
Order crimp contacts separately



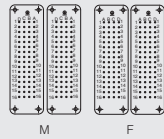
Insert	Designation	Order No.
Male	HD-064-MC	125 064 010 0001
	HD-064-MC(Z) ¹⁾	125 064 010 0002
Female	HD-064-FC	125 064 020 0001
	HD-064-FC(Z) ¹⁾	125 064 020 0002

¹⁾ Z represents large size digital plug.

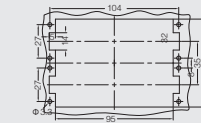
1) Distance for contact max. 21 mm



Contact arrangement view from termination side



Panel cut out for inserts for use without hoods/housings



Crimp contacts

Crimp contacts 10A

Contact resistance ≤ 3mΩ

silver plated



gold plated

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

Tools

Crimping tool



Contact removal tool



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

Male	Designation	Female	Designation
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 ¹⁾
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

¹⁾ When the wire gauge is less than 0.75mm², it's better to use the auxiliary pin assembly tool TL15.

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



06-15

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

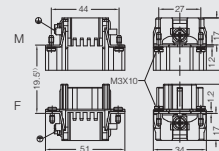
Order crimp contacts separately



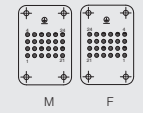
Insert	Designation	Order No.
Male	HDD-024-MC ¹⁾	126 024 010 0001
Female	HDD-024-FC ¹⁾	126 024 020 0001

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

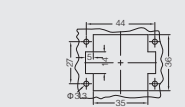
1) Distance for contact max. 21 mm



Contact arrangement view from termination side



Panel cut out for inserts for use without hoods/housings



Crimp contacts

Crimp contacts 10A

Contact resistance ≤ 3mΩ

silver plated



gold plated

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

Tools

Crimping tool



Contact removal tool



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

Male	Designation	Female	Designation
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 ¹⁾
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

¹⁾ When the wire gauge is less than 0.75mm², it's better to use the auxiliary pin assembly tool TL15.

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



06-16

HDD-042 Ultra-high density inserts



250V 10A 42+

Inserts

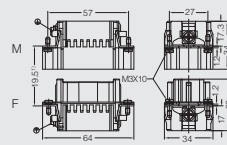
Hoods/Housings: size 10B, please find the details on page 15-39~15-69.

Crimp terminal

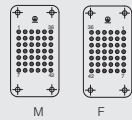
Order crimp contacts separately



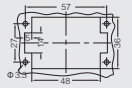
Insert	Designation	Order No.
Male	HDD-042-MC ¹⁾	126 042 010 0001
Female	HDD-042-FC ¹⁾	126 042 020 0001

¹⁾ can match PCB adapter, see page 14-02~14-03.¹⁾ 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 Ω
silver plated

gold plated

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

Tools

Crimping tool



Contact removal tool



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 ¹⁾
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

¹⁾ When the wire gauge is less than 0.75mm², it's better to use the auxiliary pin assembly tool TL15.

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

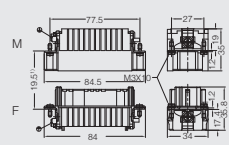
Hoods/Housings: size 16B, please find the details on page 15-70~15-107.

Crimp terminal

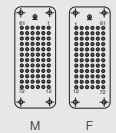
Order crimp contacts separately



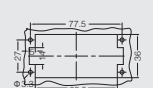
Insert	Designation	Order No.
Male	HDD-072-MC ¹⁾	126 072 010 0001
Female	HDD-072-FC ¹⁾	126 072 020 0001

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 Ω
silver plated

gold plated

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

Tools

Crimping tool



Contact removal tool



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 ¹⁾
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

¹⁾ When the wire gauge is less than 0.75mm², it's better to use the auxiliary pin assembly tool TL15.

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

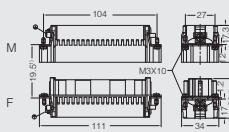
Order crimp contacts separately



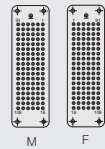
Insert	Designation	Order No.
Male	HDD-108-MC ¹⁾	126 108 010 0001
Female	HDD-108-FC ¹⁾	126 108 020 0001

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

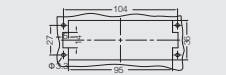
1) Distance for contact max. 21 mm



Contact arrangement view from termination side



Panel cut out for inserts for use without hoods/housings



Crimp contacts

Crimp contacts 10A

Contact resistance ≤ 3m Ω
silver plated

gold plated

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

Tools

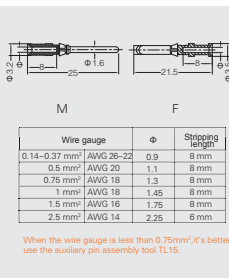
Crimping tool



Contact removal tool



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	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

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+



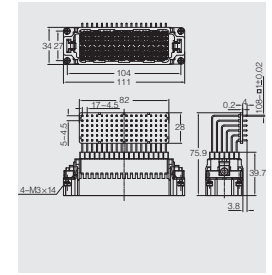
Inserts

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



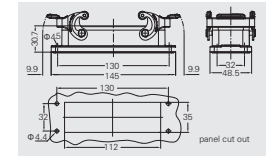
Bulkhead Mounted Housings

(Assemble the inserts in reverse direction)

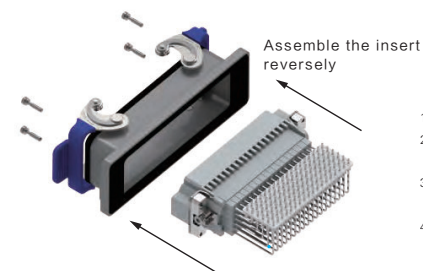


Thread	Designation	Order No.
W24B-RBK-2L/SC		111 124 341 1003

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

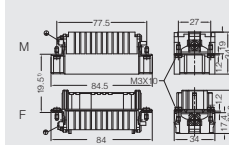
Hoods/Housings: size 32B, please find the details on page 15-151~15-159.

Crimp terminal

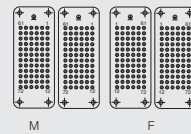
Order crimp contacts separately



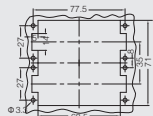
Insert	Designation	Order No.
Male	HDD-072-MC ¹⁾	126 072 010 0001
	HDD-072-MC(73-144) ¹⁾	126 072 010 0002
Female	HDD-072-FC ¹⁾	126 072 020 0001
	HDD-072-FC(73-144) ¹⁾	126 072 020 0002

¹⁾ can match PCB adapter, see page 14-02~14-03.¹⁾ Distance for contact max. 21 mm

Contact arrangement view from termination side



Panel cut out for inserts for use without hoods/housings



Crimp contacts

Crimp contacts 10A

Contact resistance ≤ 3mΩ
silver plated

gold plated

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

Tools

Crimping tool



Contact removal tool



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 ¹⁾
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

¹⁾ When the wire gauge is less than 0.75mm², it's better to use the auxiliary pin assembly tool TL15.

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+

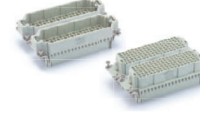


Inserts

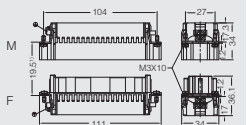
Hoods/Housings: size 48B, please find the details on page 15-160~15-162.

Crimp terminal

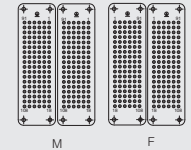
Order crimp contacts separately



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 14-02~14-03.¹⁾ 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 ≤ 3mΩ
silver plated

gold plated

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

Tools

Crimping tool



Contact removal tool



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 ¹⁾
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

¹⁾ When the wire gauge is less than 0.75mm², it's better to use the auxiliary pin assembly tool TL15.

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;
Crimp contact

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

3.Push the terminal into the socket;
Back

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

can't take out
Locking

Crimp contact

1.Insert the wire into Crimp contact.
Crimp contact Wire

2.Insert the contact into the appropriate tooth.
Tooth

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

3.Press tightly
Crimp contact Wire

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

Completed

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.
TL00 Removal tool

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

3.Remove the terminal.
Return

With spring

Removal way