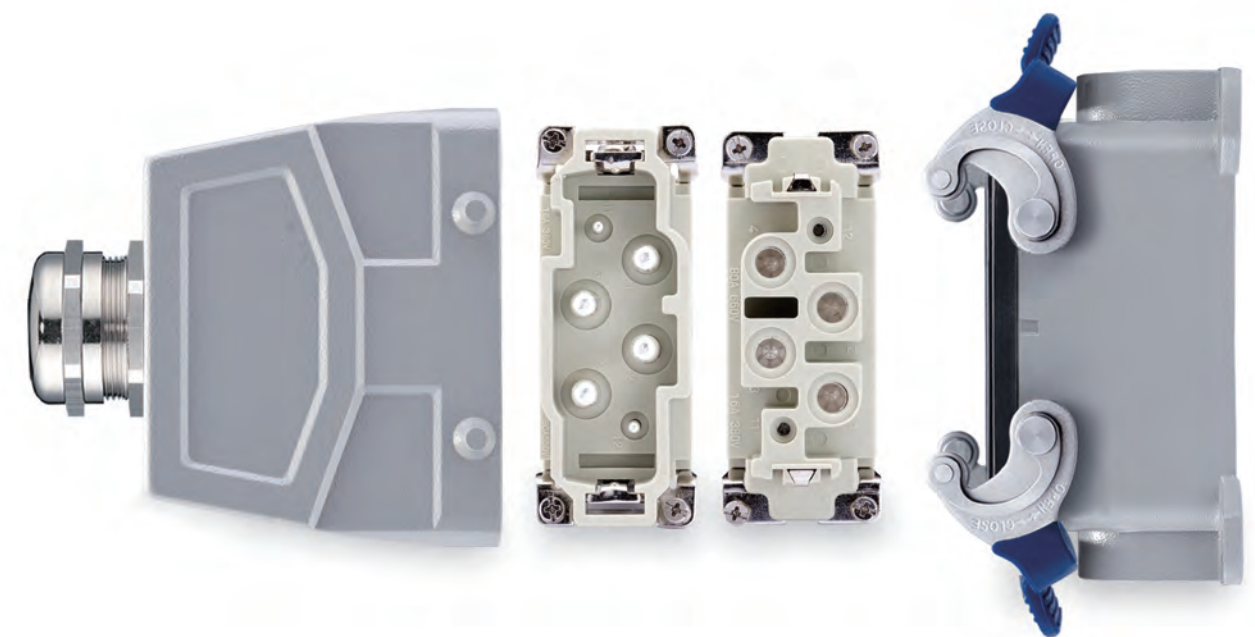
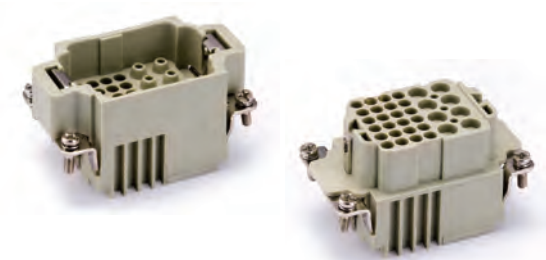


HK SERIES

Combination connector



HK-008/24 Combination inserts



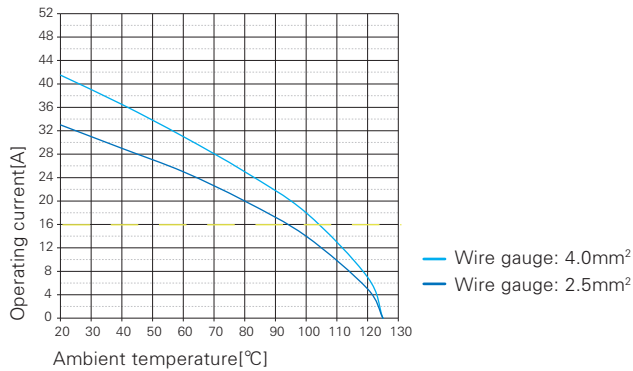
Technical characteristics

Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	   
Inserts	
Number of contacts	8/24+PE
Electrical data acc. to EN 61 984	
Power area	
–Rated current	16A
–Rated voltage conductor	400V
–Rated impulse voltage	6kV
–Pollution degree	3
Signal area	
–Rated current	10A
–Rated voltage	250V
–Rated impulse voltage	4kV
–Pollution degree	3
Rated voltage acc. to UL	600/300V
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	
Power contacts	
–Material	copper alloy
–Surface	hard–silver plated hard–gold plated
–Contact resistance	≤1 mΩ
–Crimp terminal	
–mm ²	0.5–4mm ²
–AWG	20–12
Signal contacts	
–Material	copper alloy
–Surface	hard–silver plated hard–gold plated
–Contact resistance	≤3mΩ
–Crimp terminal	
–mm ²	0.14–2.5mm ²
–AWG	25–14

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



HK-008/24 Combination inserts

400/250V 16/10A 8/24+⊕



Inserts

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

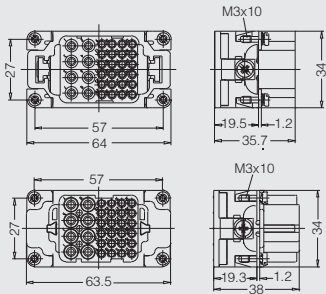
Crimp terminal

Order crimp contacts separately

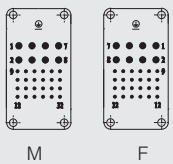


Insert	Designation	Order No.
Male	HK-008/24-MC	128 032 010 0001
Female	HK-008/24-FC	128 032 020 0001

1)Distance for contact max. 21 mm



Contact arrangement view from termination side



Crimp contacts

Crimp contacts 10A

silver plated

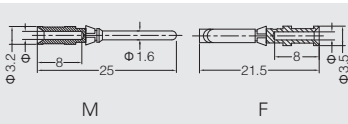


gold plated



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

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 mm²	AWG 26-22	0.9
0.5 mm²	AWG 20	1.1
0.75 mm²	AWG 18	1.3
1 mm²	AWG 18	1.45
1.5 mm²	AWG 16	1.75
2.5 mm²	AWG 14	2.25

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

Crimp contacts 16A

silver plated

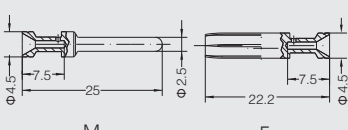


gold plated



More crimp contacts 16A see P13-04.

Male	Order No.	Female	Order No.
CESM-0.37	101 019 110 0301	CESF-0.37	101 019 120 0301
CESM-0.50	101 019 110 0401	CESF-0.50	101 019 120 0401
CESM-0.75	101 019 110 0601	CESF-0.75	101 019 120 0601
CESM-1.0	101 019 110 0801	CESF-1.0	101 019 120 0801
CESM-1.5	101 019 110 0901	CESF-1.5	101 019 120 0901
CESM-2.5	101 019 110 1001	CESF-2.5	101 019 120 1001
CESM-3.0	101 019 110 1101	CESF-3.0	101 019 120 1101
CESM-4.0	101 019 110 1201	CESF-4.0	101 019 120 1201
CEGM-0.37	101 019 210 0301	CEGF-0.37	101 019 220 0301
CEGM-0.50	101 019 210 0401	CEGF-0.50	101 019 220 0401
CEGM-0.75	101 019 210 0601	CEGF-0.75	101 019 220 0601
CEGM-1.0	101 019 210 0801	CEGF-1.0	101 019 220 0801
CEGM-1.5	101 019 210 0901	CEGF-1.5	101 019 220 0901
CEGM-2.5	101 019 210 1001	CEGF-2.5	101 019 220 1001
CEGM-3.0	101 019 210 1101	CEGF-3.0	101 019 220 1101
CEGM-4.0	101 019 210 1201	CEGF-4.0	101 019 220 1201



Identification	Wire gauge	Stripping length
no groove	0.14-0.37 mm²	AWG 26-22
no groove	0.5 mm²	AWG 20
1 groove	0.75 mm²	AWG 18
1 groove	1 mm²	AWG 18
2 grooves	1.5 mm²	AWG 16
3 grooves	2.5 mm²	AWG 14
wide groove	3 mm²	AWG 12
no groove	4 mm²	AWG 12

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



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

Wire gauge	Designation	Order No.
0.14-4mm²	TL02G	198 001 001 0011

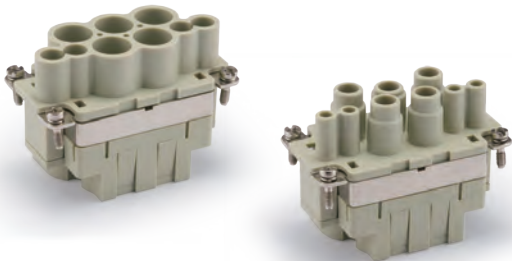
Wire gauge:16A crimp contacts 0.14-0.37mm² please select TL02 crimping tool.

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

16A contact removal tool:cross-slotted screw driver(size 0 acc. to DIN 5260).

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

HK-004/4 Combination crimp inserts



Technical characteristics

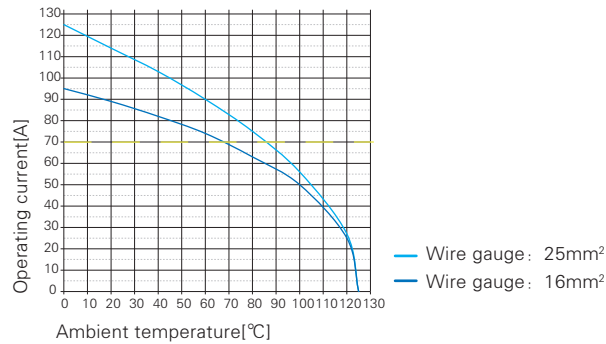
Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	CE EAC
Inserts	
Number of contacts	4/4+PE
Electrical data acc. to EN 61 984	
Power area	
–Rated current	70A
–Rated voltage	690V
–Rated impulse voltage	8kV
–Pollution degree	3
Signal area	
–Rated current	16A
–Rated voltage	250V
–Rated impulse voltage	4kV
–Pollution degree	3
Rated voltage acc. to UL	600/230V
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	
Power contacts	
–Material	copper alloy
–Surface	hard–silver plated
–Contact resistance	≤0.5mΩ
–Crimp terminal	
– wire gauge	10–25mm ²
–Max. insulation diameter	11mm
Stripping length	15.5mm
Signal contacts	
–Material	copper alloy
–Surface	hard–silver plated
–Contact resistance	≤1mΩ
–Crimp terminal	
–mm ²	0.14–4mm ²
–AWG	26–12

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



HK-004/4 Combination crimp inserts

690/250V 70/16A 4/4+⊕

CE EAC

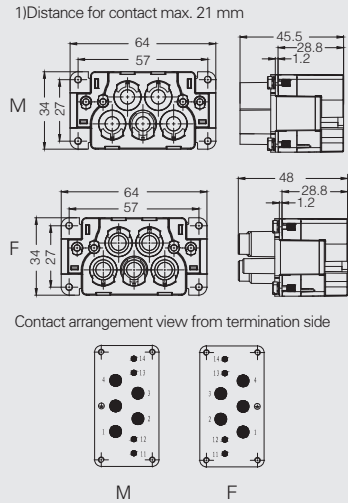
Inserts

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	HK-004/4-MC	128 008 010 0001
Female	HK-004/4-FC	128 008 020 0001



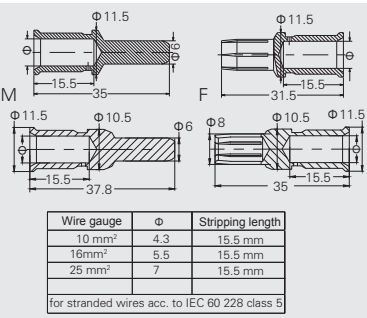
Crimp contacts

Crimp contacts 70A

silver plated
Contact resistance ≤0.5mΩ



Male	Order No.	Female	Order No.
CKSM70-10	101 034 110 1401	CKSF70-10	101 034 120 1403
CKSM70-16	101 034 110 1501	CKSF70-16	101 034 120 1503
CKSM70-25	101 034 110 1601	CKSF70-25	101 034 120 1603
CKSM70PE-10	101 034 110 1404	CKSF70PE-10	101 034 120 1404
CKSM70PE-16	101 034 110 1504	CKSF70PE-16	101 034 120 1504
CKSM70PE-25	101 034 110 1604	CKSF70PE-25	101 034 120 1604

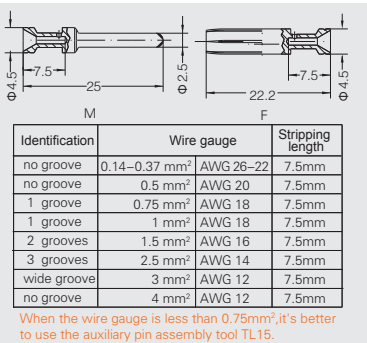


Crimp contacts 16A

silver plated
Contact resistance ≤1mΩ



Male	Order No.	Female	Order No.
CESM-0.37	101 019 110 0301	CESF-0.37	101 019 120 0301
CESM-0.50	101 019 110 0401	CESF-0.50	101 019 120 0401
CESM-0.75	101 019 110 0601	CESF-0.75	101 019 120 0601
CESM-1.0	101 019 110 0801	CESF-1.0	101 019 120 0801
CESM-1.5	101 019 110 0901	CESF-1.5	101 019 120 0901
CESM-2.5	101 019 110 1001	CESF-2.5	101 019 120 1001
CESM-3.0	101 019 110 1101	CESF-3.0	101 019 120 1101
CESM-4.0	101 019 110 1201	CESF-4.0	101 019 120 1201



More crimp contacts 16A see P13-04.

Tools

Manual hydraulic clamp



Crimping tool



Contact removal tool



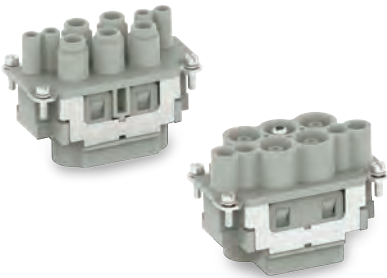
Wire gauge	Designation	Order No.
10–240mm ²	TL05	198 001 001 0005
0.5–4mm ²	TL02G	198 001 001 0011

Wire gauge:16A crimp contacts 0.14–0.37mm² please select TL02 crimping tool.

Application	Designation	Order No.
for crimp contacts 70A	TL12	198 001 000 0024
for crimp contacts 16A	TL01	198 001 000 0002

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

HK-004/4 Combination inserts



Technical characteristics

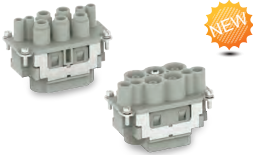
Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	
Inserts	
Number of contacts	4/4+PE
Electrical data acc. to EN 61 984	
Power area	
–Rated current	63A
–Rated voltage	690V
–Rated impulse voltage	8kV
–Pollution degree	3
Signal area	
–Rated current	16A
–Rated voltage	250V
–Rated impulse voltage	4kV
–Pollution degree	3
Rated voltage acc. to UL	600/230V
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	
Power contacts	
–Material	copper alloy
–Surface	hard–silver plated
–Contact resistance	≤ 0.5m Ω
–Screw terminal	
– geometric wire gauge	6–16mm ²
– AWG	10–6
–Max. insulation diameter	11mm
–Stripping length	11mm
Signal contacts	
–Material	copper alloy
–Surface	hard–silver plated
–Contact resistance	≤ 3m Ω
–Spring terminal	
–mm ²	0.14–2.5mm ²
–AWG	26–14
–Stripping length	7–9mm

HK-004/4 Combination inserts

690/250V 63/16A 4/4+

Inserts

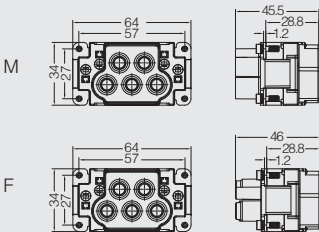
Screw terminal



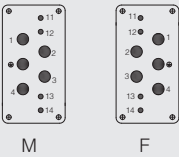
Insert	Designation	Order No.
Male	HK-004/4.1-M(6-16mm²)	128 008 011 0002
	HK-004/4.2-M(14-22mm²)	128 008 011 0003
Female	HK-004/4.1-F(6-16mm²)	128 008 021 0002
	HK-004/4.2-F(14-22mm²)	128 008 021 0003

Hoods/Housings: only suitable for size 10B high structure shells, please find the details on page 15-39~15-69.

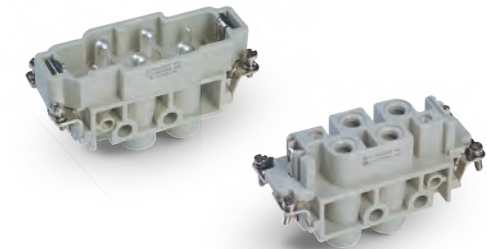
1)Distance for contact max. 21 mm



Contact arrangement view from termination side



HK-004/0,004/2 Combination inserts



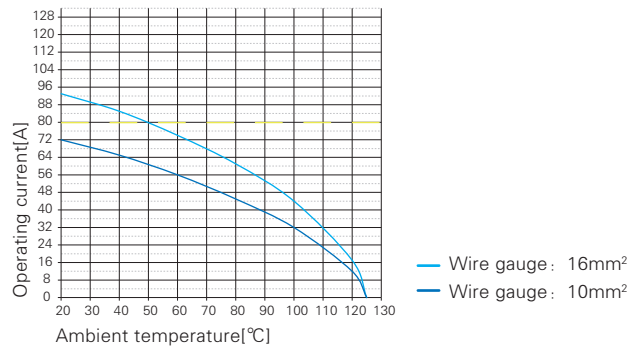
Technical characteristics

Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	
Inserts	
Number of contacts	4/0+PE,4/2+PE
Electrical data acc. to EN 61 984	
Power area	
-Rated current	80A
-Rated voltage	830V
-Rated impulse voltage	8kV
-Pollution degree	3
-Pollution degree 2 also	80A 1000V 8kV 2
Signal area	
-Rated current	16A
-Rated voltage	400V
-Rated impulse voltage	6kV
-Pollution degree	3
-Pollution degree 2 also	16A 400/690V 6kV 2
Rated voltage acc. to UL	600/300V
Insulation resistance	≥10 ¹⁰ Ω
Material	polycarbonate
Limiting temperatures	-40℃...+125℃
Flammability acc. to UL 94	V0
Mechanical working life(mating cycles)	≥500
Contacts	
Power contacts	
-Material	copper alloy
-Surface	hard-silver plated
-Contact resistance	≤0.3mΩ
-Screw terminal	
-geometric wire gauge	1.5-16mm ²
-AWG	16-6
-Tightening tourque	
-mm ²	1.5 2.5 4 6 10 16
-N.m	1.2 2 3 3 3 3
-Stripping length	14mm
Signal contacts	
-Material	copper alloy
-Surface	hard-silver plated
-Contact resistance	≤1mΩ
-Screw terminal	
-mm ²	0.5-2.5mm ²
-AWG	20-14
-Tightening tourque	0.5Nm
-Stripping length	7.5mm

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



HK-004/0,004/2 Combination inserts

830/400V 80/16A 4/0,4/2+⊕

Inserts

Hoods/Housings: size16B, please find the details on page 15-70~15-107.

Screw terminal



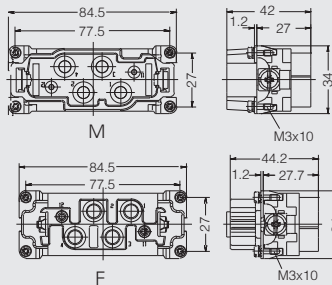
Insert	Designation	Order No.
Male	HK-004/0-M	128 004 011 0001
Female	HK-004/0-F	128 004 021 0001

Screw terminal

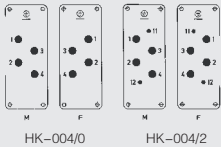


Insert	Designation	Order No.
Male	HK-004/2-M	128 006 011 0001
Female	HK-004/2-F	128 006 021 0001

1)Distance for contact max. 21 mm



Contact arrangement view from termination side



HK-004/8 Combination inserts



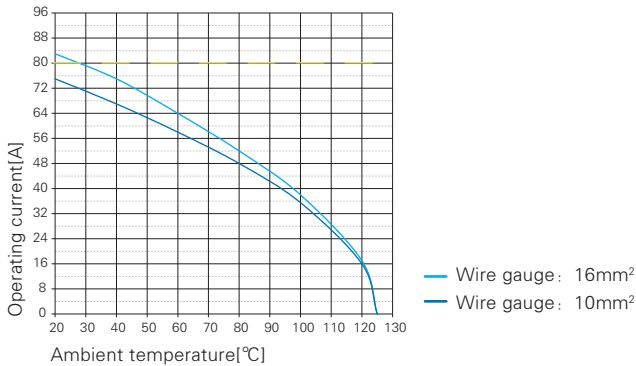
Technical characteristics

Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	
Inserts	
Number of contacts	4/8+PE
Electrical data acc. to EN 61 984	
Power area	
-Rated current	80A
-Rated voltage	830V
-Rated impulse voltage	8kV
-Pollution degree	3
Signal area	
-Rated current	16A
-Rated voltage	400V
-Rated impulse voltage	6kV
-Pollution degree	3
Rated voltage acc. to UL	600/600V
Insulation resistance	≥10 ¹⁰ Ω
Material	polycarbonate
Limiting temperatures	-40℃...+125℃
Flammability acc. to UL 94	V0
Mechanical working life(mating cycles)	≥500
Contacts	
Power contacts	
-Material	copper alloy
-Surface	hard-silver plated
-Contact resistance	≤0.3m Ω
-Screw terminal	
-geometric wire gauge	1.5-16mm ²
-AWG	16-6
-Tightening torque	
-mm ²	1.5 2.5 4 6 10 16
-N.m	1.2 2 3 3 3 3
-Stripping length	14mm
Signal contacts	
-Material	copper alloy
-Surface	hard-silver plated
-Contact resistance	≤1m Ω
-Screw terminal	
-mm ²	0.5-2.5mm ²
-AWG	20-14
-Tightening torque	0.5Nm
-Stripping length	7.5mm

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



HK-004/8 Combination inserts

830/400V 80/16A 4/8+PE

Inserts

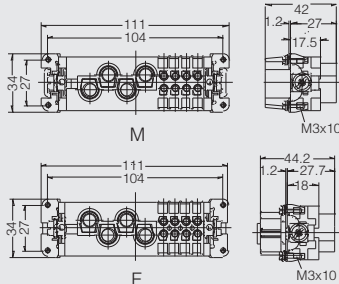
Hoods/Housings: size24B, please find the details on page 15-108~15-150.

Screw terminal

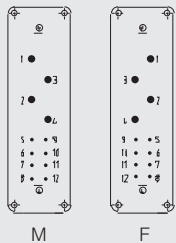


Insert	Designation	Order No.
Male	HK-004/8-M	128 012 011 0001
Female	HK-004/8-F	128 012 021 0001

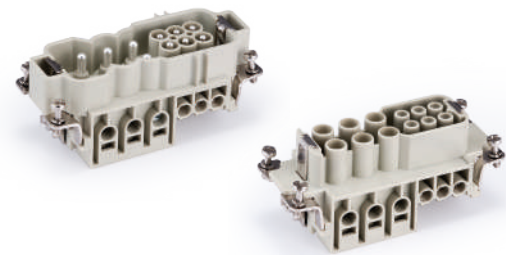
1)Distance for contact max. 21 mm



Contact arrangement view from termination side



HK-006/6 Combination inserts



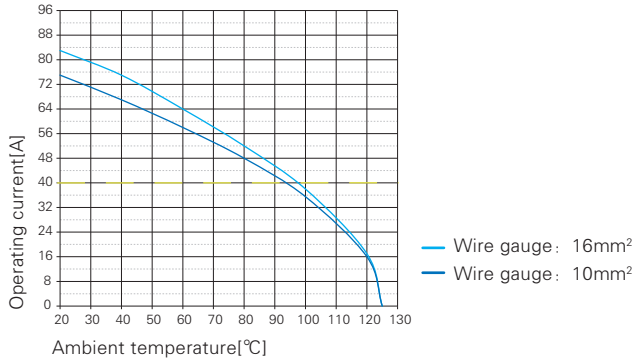
Technical characteristics

Technical characteristics	DIN EN 60 664 DIN EN 61 984
Approvals	[C][E][R]
Inserts	
Number of contacts	6/6+PE
Electrical data acc. to EN 61 984	
Power area	
-Rated current	40A
-Rated voltage	690V
-Rated impulse voltage	8kV
-Pollution degree	3
Signal area	
-Rated current	16A
-Rated voltage	400V
-Rated impulse voltage	6kV
-Pollution degree	3
Rated voltage acc. to UL	600/600V
Insulation resistanc	≥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-silver plated
Terminal	screw terminal
Contact resistance	
-power area	≤1mΩ
-signal area	≤1mΩ
Wire gauge	
-power area	
-mm²	4-10mm²
-AWG	12-8
-signal area	
-mm²	1-2.5mm²
-AWG	18-4
Tightening tourque	
-power area	mm² 1.5 2.5 4 6 10 N.m 1.2 2 3 3 3
-signal area	0.5N.m

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



HK-006/6 Combination inserts

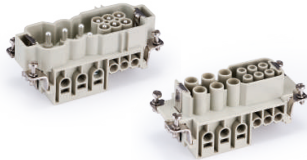
690/400V 40/16A 6/6+⊕

C E R

Inserts

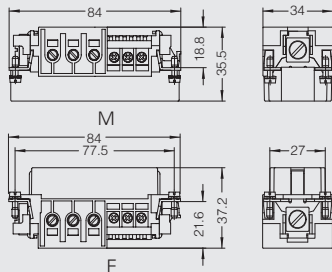
Hoods/Housings: size 16B, please find the details on page 15-70~15-107.

Screw terminal

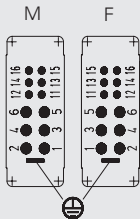


Insert	Designation	Order No.
Male	HK-006/6-M	128 012 011 0201
Female	HK-006/6-F	128 012 021 0201

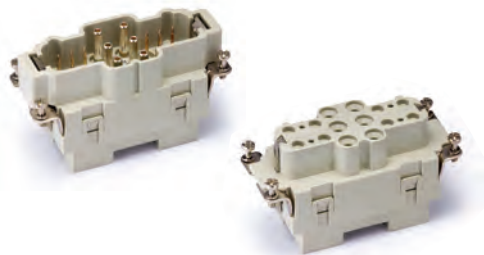
1)Distance for contact max. 21 mm



Contact arrangement view from termination side



HK-006/12 Combination inserts



Technical characteristics

Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	
Inserts	
Number of contacts	6/12+PE
Electrical data acc. to EN 61 984	
Power area	
Rated current	40A
Rated voltage	690V
Rated impulse voltage	6kV
Pollution degree	3
Signal area	
Rated current	10A
Rated voltage conductor	230/400V
Rated impulse voltage	4kV
Pollution degree	3
Rated voltage acc. to UL	600/300V
Insulation resistance	≥10 ¹⁰ Ω
Material	polycarbonate
Limiting temperatures	-40℃...+125℃
Flammability acc. to UL 94	V0
Mechanical working life(mating cycles)	≥500
Contacts	
Power contacts	
-Material	copper alloy
-Surface	hard-silver plated
-Contact resistance	≤1m Ω
-Axial screw termination	
-geometric wire gauge	2.5-10mm ²
- AWG	14-8
-Max. insulation diameter	6.1mm
-Tightening torque	
-mm ²	2.5 4 6 10
-Nm	1.5 1.5 2 2
-Stripping length	
-mm ²	2.5 4 6 10
-mm	5 ⁺¹ 5 ⁺¹ 8 ⁺¹ 8 ⁺¹
Signal contacts	
-Material	copper alloy
-Surface	hard-silver plated
-Contact resistance	≤3m Ω
-Screw terminal	
-geometric wire gauge	0.2-2.5mm ²
- AWG	24-14
-Tightening torque	0.8Nm
-Stripping length	7.5mm

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

Wire gauge: 10mm²
Wire gauge: 6mm²
Wire gauge: 4mm²

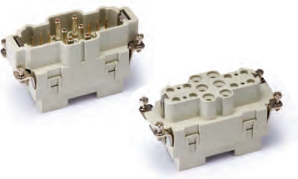
HK-006/12 Combination inserts

690/400V 40/10A 6/12+⊕

Inserts

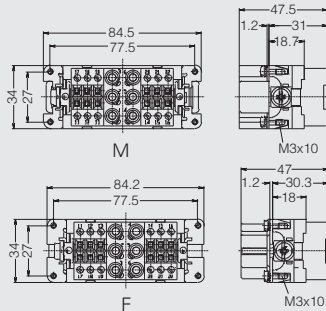
Hoods/Housings: size16B, please find the details on page 15-70~15-107.

Axial screw terminal¹⁾/Screw terminal

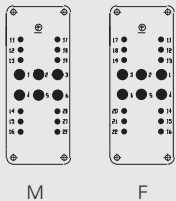


Insert	Wire gauge	Designation	Order No.
Male	2.5-8mm ²	HK-006.1/12-M(2.5-8mm ²)	128 018 011 0001
	6-10mm ²	HK-006.2/12-M(6-10mm ²)	128 018 011 0002
Female	2.5-8mm ²	HK-006.1/12-F(2.5-8mm ²)	128 018 021 0001
	6-10mm ²	HK-006.2/12-F(6-10mm ²)	128 018 021 0002

1)Distance for contact max. 21 mm



Contact arrangement view from termination side



Accessories

Tool

hexagonal driver



Description	Designation	Order No.
for axial setscrew with grip	SW-2*100	198 001 003 0002

1) See P00-33-00-34 for the structural characteristics and description of Axial screw terminal.

HK-006/36 Combination inserts



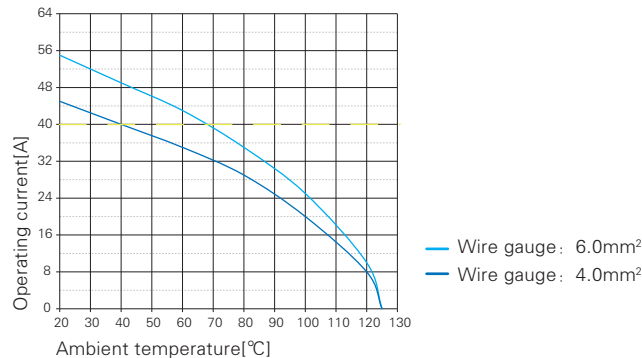
Technical characteristics

Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	
Inserts	
Number of contacts	6/36+PE
Electrical data acc. to EN 61 984	
Power area	
–Rated current	40A
–Rated voltage	690V
–Rated impulse voltage	8kV
–Pollution degree	3
Signal area	
–Rated current	10A
–Rated voltage	160V
–Rated impulse voltage	2.5kV
–Pollution degree	3
–Pollution degree 2 also	10A 250V 4kV 2
Rated voltage acc. to UL	600/300V
Insulation resistance	≥ 10 ¹⁰ Ω
Material	polycarbonate
Limiting temperatures	–40℃...+125℃
Flammability acc. to UL 94	V0
Mechanical working life(mating cycles)	≥ 500
Contacts	
Power contacts	
–Material	copper alloy
–Surface	hard–silver plated hard–gold plated
–Contact resistance	≤ 1mΩ
–Crimp terminal	
–mm ²	1.5–6mm ²
–AWG	16–10
–Max. insulation diameter	5mm
Signal contacts	
–Material	copper alloy
–Surface	hard–silver plated hard–gold platedi
–Contact resistance	≤ 3mΩ
–Crimp terminal	
–mm ²	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



HK-006/36 Combination inserts

690/160V 40/10A 6/36+⊕



Inserts

Hoods/Housings: size16B, please find the details on page 15-70~15-107.

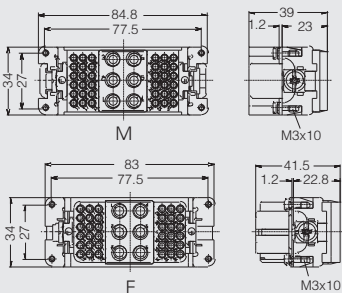
Crimp terminal

Order crimp contacts separately

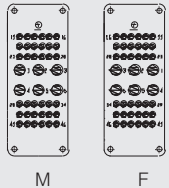


Insert	Designation	Order No.
Male	HK–006/36–MC	128 042 010 0001
Female	HK–006/36–FC	128 042 020 0001

1)Distance for contact max. 21 mm



Contact arrangement view from termination side



Crimp contacts

Crimp contacts 10A

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

Crimp contacts 40A

silver plated



gold plated



Male	Designation	Female	Order No.
CCSM–1.5	101 023 110 0901	CCSF–1.5	101 023 120 0901
CCSM–2.5	101 023 110 1001	CCSF–2.5	101 023 120 1001
CCSM–4.0	101 023 110 1201	CCSF–4.0	101 023 120 1201
CCSM–6.0	101 023 110 1301	CCSF–6.0	101 023 120 1301
CCGM–1.5	101 023 210 0901	CCGF–1.5	101 023 220 0901
CCGM–2.5	101 023 210 1001	CCGF–2.5	101 023 220 1001
CCGM–4.0	101 023 210 1201	CCGF–4.0	101 023 220 1201
CCGM–6.0	101 023 210 1301	CCGF–6.0	101 023 220 1301

Tools

Crimping tool



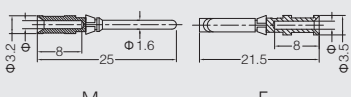
Contact removal tool



Wire gauge	Designation	Order No.
0.14–4mm ²	TL02G	198 001 001 0011
1.5–6mm ²	TL02–0G	198 001 001 0012

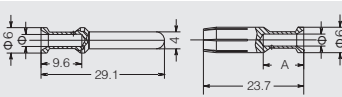
Application	Designation	Order No.
for crimp contacts 10A	TL00	198 001 000 0001

Application	Designation	Order NO.
for crimp contacts 40A	TL06G	198 001 000 0009



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

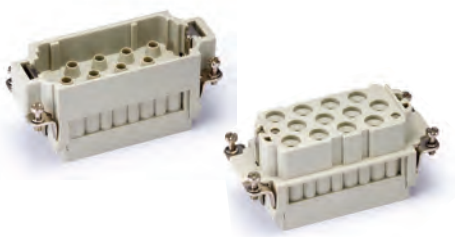
When the wire gauge is less than 0.75mm², it's better to use the auxiliary pin assembly tool TL15.



Wire gauge	Φ	Stripping length
1.5 mm ²	AWG 16	1.75 9 mm
2.5mm ²	AWG 14	2.25 9 mm
4 mm ²	AWG 12	2.85 9.6 mm
6 mm ²	AWG 10	3.5 9.6 mm

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

HK-012/2 Combination inserts



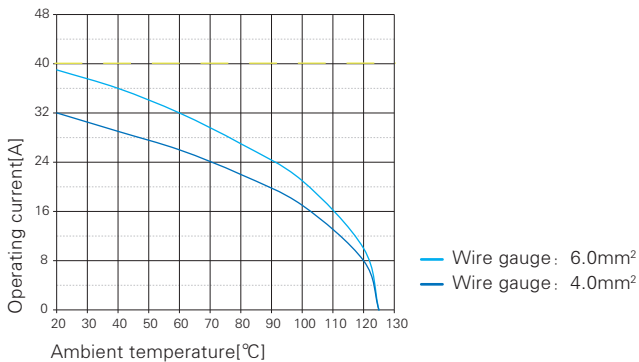
Technical characteristics

Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	
Inserts	
Number of contacts	12/2+PE
Electrical data acc. to EN 61 984	
Power area	
–Rated current	40A
–Rated voltage	690V
–Rated impulse voltage	8kV
–Pollution degree	3
Signal area	
–Rated current	10A
–Rated voltage	250V
–Rated impulse voltage	4kV
–Pollution degree	3
Rated voltage acc. to UL	600/300V
Insulation resistance	≥10 ¹⁰ Ω
Material	polycarbonate
Limiting temperatures	–40℃...+125℃
Flammability acc. to UL 94	V0
Mechanical working life(mating cycles)	≥500
Contacts	
Power contacts	
–Material	copper alloy
–Surface	hard–silver plated hard–gold plated
–Contact resistance	≤1mΩ
–Crimp terminal	
–mm²	1.5–6mm²
–AWG	16–10
Signal contacts	
–Material	copper alloy
–Surface	hard–silver plated hard–gold plated
–Contact resistance	≤3mΩ
–Crimp terminal	
–mm²	0.14–2.5mm²
–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



HK-012/2 Combination inserts

690/250V 40/10A 12/2+PE



Inserts

Hoods/Housings: size16B, please find the details on page 15-70~15-107.

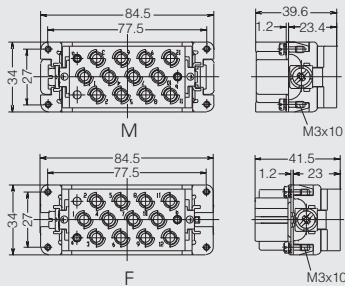
Crimp terminal

Order crimp contacts separately

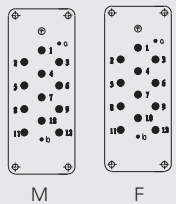


Insert	Designation	Order No.
Male	HK–012/2–MC	128 014 010 0001
Female	HK–012/2–FC	128 014 020 0001

1)Distance for contact max. 21 mm



Contact arrangement view from termination side



Crimp contacts

Crimp contacts 10A

silver plated



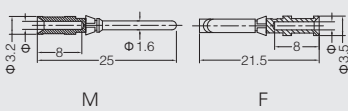
gold plated



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 mm² AWG 26–22	0.9	8 mm
0.5 mm² AWG 20	1.1	8 mm
0.75 mm² AWG 18	1.3	8 mm
1 mm² AWG 18	1.45	8 mm
1.5 mm² AWG 16	1.75	8 mm
2.5 mm² 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.

Crimp contacts 40A

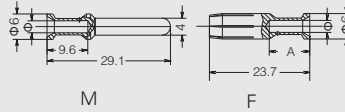
silver plated



gold plated



Male	Designation	Female	Order No.
CCSM–1.5	101 023 110 0901	CCSF–1.5	101 023 120 0901
CCSM–2.5	101 023 110 1001	CCSF–2.5	101 023 120 1001
CCSM–4.0	101 023 110 1201	CCSF–4.0	101 023 120 1201
CCSM–6.0	101 023 110 1301	CCSF–6.0	101 023 120 1301
CCGM–1.5	101 023 210 0901	CCGF–1.5	101 023 220 0901
CCGM–2.5	101 023 210 1001	CCGF–2.5	101 023 220 1001
CCGM–4.0	101 023 210 1201	CCGF–4.0	101 023 220 1201
CCGM–6.0	101 023 210 1301	CCGF–6.0	101 023 220 1301



Wire gauge	Φ	Stripping length
1.5 mm² AWG 16	1.75	9 mm
2.5mm² AWG 14	2.25	9 mm
4 mm² AWG 12	2.85	9.6 mm
6 mm² AWG 10	3.5	9.6 mm

Tools

Crimping tool



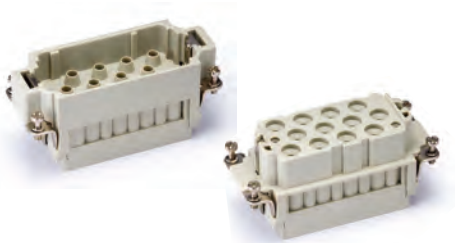
Contact removal tool



Wire gauge	Designation	Order No.
0.14–4mm²	TL02G	198 001 001 0011
1.5–6mm²	TL02–0G	198 001 001 0012
Application	Designation	Order No.
for crimp contacts 10A	TL00	198 001 000 0001
Application	Designation	Order NO.
for crimp contacts 40A	TL06G	198 001 000 0009

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

HKH-012/0 Combination high mating cycle inserts



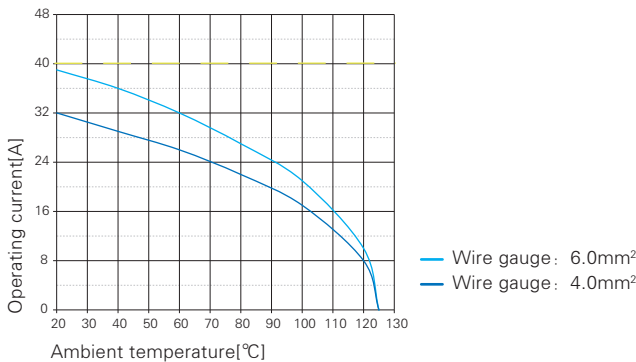
Technical characteristics

Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	CE EAC
Inserts	
Number of contacts	12/0+PE
Electrical data acc. to EN 61 984	
Power area	
-Rated current	40A
-Rated voltage	690V
-Rated impulse voltage	8kV
-Pollution degree	3
Rated voltage acc. to UL	600/300V
Insulation resistance	≥10 ¹⁰ Ω
Material	polycarbonate
Limiting temperatures	-40℃...+125℃
Flammability acc. to UL 94	V0
Mechanical working life(mating cycles)	≥5000
Contacts	
Power contacts	
-Material	copper alloy
-Surface	hard-gold plated
-Contact resistance	≤1mΩ
-Crimp terminal	
- mm ²	1.5-6mm ²
- AWG	16-10

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



HKH-012/0 Combination high mating cycle inserts

690/250V 40/10A 12/0+⊕

CE EAC

Inserts

Hoods/Housings: size16B, please find the details on page 15-70-15-107.

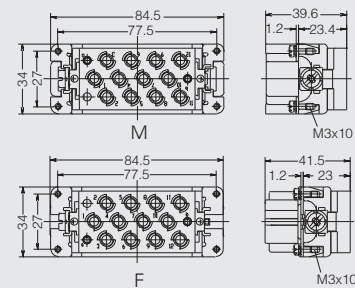
Crimp terminal

Order crimp contacts separately

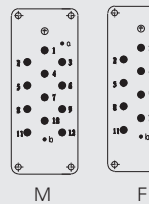


Insert	Designation	Order No.
Male	HKH-012/0-MC	128 012 010 0001
Female	HKH-012/0-FC	128 012 020 0001

1)Distance for contact max. 21 mm



Contact arrangement view from termination side



Crimp contacts

Crimp contacts 40A-high mating cycle

gold plated

Mechanical working life
(mating cycles) ≥ 5000



Male	Designation	Female	Order No.
CCGMH-1.5	101 023 210 0909	CCGFH-1.5G	101 023 220 0909
CCGMH-2.5	101 023 210 1009	CCGFH-2.5G	101 023 220 1009
CCGMH-4.0	101 023 210 1209	CCGFH-4.0G	101 023 220 1209
CCGMH-6.0	101 023 210 1309	CCGFH-6.0G	101 023 220 1309
CCGMH-10.0	101 023 210 1409	CCGFH-10.0G	101 023 220 1409

Tools

Crimping tool



Contact removal tool



Wire gauge	Designation	Order No.
1.5-6mm ²	TL02-0G	198 001 001 0012
4/6/10mm ²	TL02-3G	198 001 001 0013

Application	Designation	Order NO.
for crimp contacts 40A	TL06G	198 001 000 0009

Wire gauge	Φ	Stripping length
1.5 mm ²	AWG 16	1.75 9 mm
2.5mm ²	AWG 14	2.25 9 mm
4 mm ²	AWG 12	2.85 9.6 mm
6 mm ²	AWG 10	3.5 9.6 mm
10 mm ²	AWG 8	4.3 15 mm

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

HK-006/6 Combination inserts



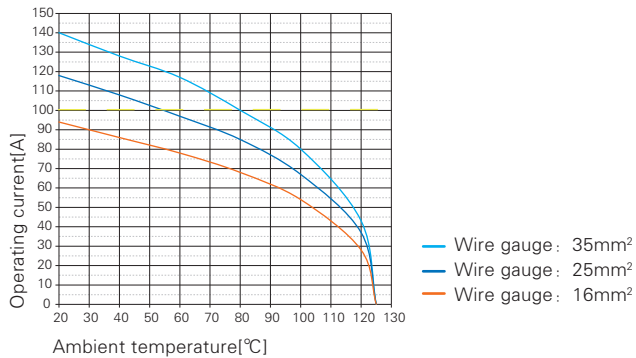
Technical characteristics

Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	
Inserts	
Number of contacts	6/6+PE
Electrical data acc. to EN 61 984	
Power area	
-Rated current	100A
-Rated voltage	690V
-Rated impulse voltage	8kV
-Pollution degree	3
-Pollution degree 2 also	100A 1000V 8kV 2
Signal area	
-Rated current	16A
-Rated voltage	400V
-Rated impulse voltage	6kV
-Pollution degree	3
Rated voltage acc. to UL	600/300V
Insulation resistance	≥10 ¹⁰ Ω
Material	polycarbonate
Limiting temperatures	-40℃...+125℃
Flammability acc. to UL 94	V0
Mechanical working life(mating cycles)	≥500
Contacts	
Power contacts	
-Material	copper alloy
-Surface	hard-silver plated
-Contact resistance	≤0.5mΩ
-Axial screw termination	
-geometric wire gauge	16-35mm ²
- AWG	5-2
-Max. insulation diameter	11.4mm
-Tightening torque	
-mm ²	16 25 35
-Nm	6 7 8
-Stripping length	13 ^{±1} mm
Signal contacts	
-Material	copper alloy
-Surface	hard-silver plated
-Contact resistance	≤3mΩ
-Screw terminal	
-geometric wire gauge	0.2-2.5mm ²
- AWG	24-13
-Tightening torque	0.8Nm
-Stripping length	7.5mm

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



HK-006/6 Combination inserts

690/400V 100/16A 6/6+PE

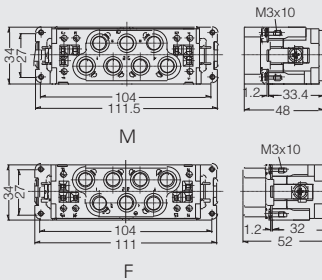
Inserts

Axial screw terminal¹⁾/Screw terminal

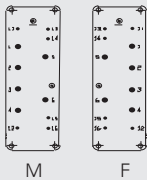


Insert	Designation	Order No.
Male	HK-006/6-M	128 012 011 0101
Female	HK-006/6-F	128 012 021 0101

1)Distance for contact max. 21 mm



Contact arrangement view from termination side



Accessories

Tool

hexagonal driver



Description	Designation	Order No.
for axial setscrew with grip	SW-4*150	198 001 003 0001

1) See P00-33-00-34 for the structural characteristics and description of Axial screw terminal.

HK-008/0 Combination inserts



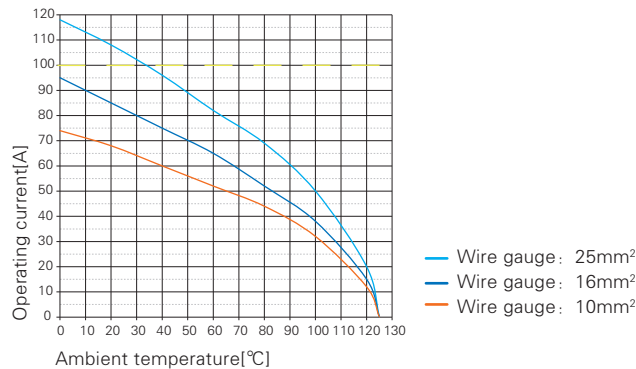
Technical characteristics

Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	
Inserts	
Number of contacts	8/0+PE
Electrical data acc. to EN 61 984	
Power area	
Rated current	100A
Rated voltage	690V
Rated impulse voltage	8kV
Pollution degree	3
Pollution degree 2 also	100A 1000V 8kV 2
Rated voltage acc. to UL	600V
Rated current acc. to UL	82A
Insulation resistance	≥10 ¹⁰ Ω
Material	polycarbonate
Limiting temperatures	-40℃...+125℃
Flammability acc. to UL 94	V0
Mechanical working life(mating cycles)	≥500
Contacts	
Material	copper alloy
Surface	hard-silver plated
Contact resistance	≤0.5mΩ
Axial screw termination	
- geometric wire gauge	10-25mm ²
- AWG	7-3
Max. insulation diameter	11.4mm
Tightening tourque	
-mm ²	10 16 25
-Nm	6 6 7
Stripping length	13±1mm

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



HK-008/0 Combination inserts

690V 100A 8/0+⊕

Inserts

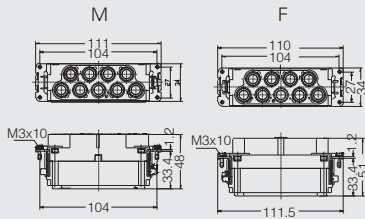
Axial screw termination¹⁾



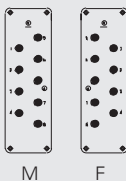
Insert	Designation	Order No.
Male	HK-008/0-M	128 008 011 0001
Female	HK-008/0-F	128 008 021 0001

Hoods/Housings: size 24B, please find the details on page 15-108~15-135.
Not suitable for high structure shells with side entry and without sleeve.

1)Distance for contact max. 21 mm



Contact arrangement view from termination side



Accessories

Tool

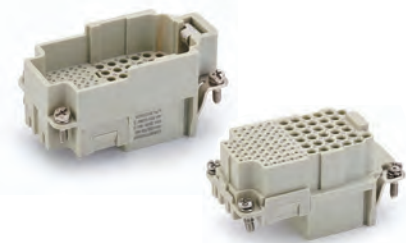
hexagonal driver



Description	Designation	Order No.
for axial setscrew with grip	SW-4*150	198 001 003 0001

1) See P00-33-00-34 for the structural characteristics and description of Axial screw terminal.

HK-032/55 Combination inserts



Technical characteristics

Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	
Inserts	
Number of contacts	32/55
Electrical data acc. to EN 61 984	
Signal area	
Rated current	4A
Rated voltage	50V
Rated impulse voltage	0.8kV
Pollution degree	2
Power area	
Rated current	10A
Rated voltage	250V
Rated impulse voltage	4KV
Pollution degree	2
Rated voltage acc. to UL	600V
Insulation resistance	≥10 ¹⁰ Ω
Material	polycarbonate
Limiting temperatures	-40℃...+125℃
Flammability acc. to UL 94	V0
Mechanical working life(mating cycles)	≥500
Contacts	
Material	copper alloy
Surface	hard-silver plated hard-gold plated
Contact resistance	≤3mΩ
Crimp terminal	
-mm ²	0.09-0.52mm ² /0.14-2.5mm ²
-AWG	28-20/26-14
Stripping length	5/8mm

HK-032/55 Combination inserts

250/50V 10/4A 32/55+



Inserts

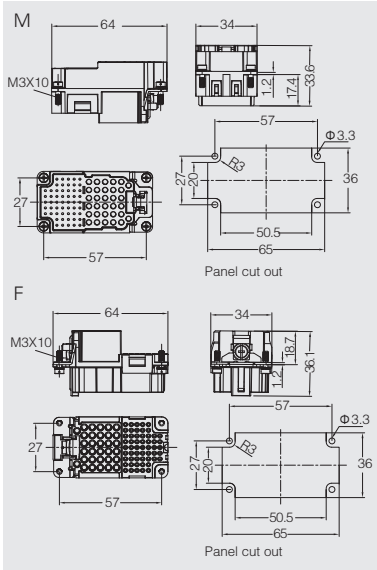
Hoods/Housings: size 10B, please find the details on page 15-39~15-69.

Crimp terminal

Order crimp contacts separately



Insert	Designation	Order No.
Male	HK-032/55-MC	128 087 010 0001
Female	HK-032/55-FC	128 087 020 0001



Crimp contacts

Crimp contacts 5A

Contact resistance ≤3mΩ
silver plated



gold plated



Male	Order No.	Female	Order No.
CSSM-0.25	101 014 110 0101	CSSF-0.25	101 014 120 0101
CSSM-0.33	101 014 110 0201	CSSF-0.33	101 014 120 0201
CSSM-0.52	101 014 110 0501	CSSF-0.52	101 014 120 0501
CSGM-0.25	101 014 210 0101	CSGF-0.25	101 014 220 0101
CSGM-0.33	101 014 210 0201	CSGF-0.33	101 014 220 0201
CSGM-0.52	101 014 210 0501	CSGF-0.52	101 014 220 0501

M					
a	b	c	d	e	f
8.10	4.0	14.8	0.64	1.66	14.4
8.10	4.0	14.8	0.90	1.66	14.4
8.10	4.0	14.8	1.12	1.66	14.4
Wire gauge					
Stripping length					
0.09-0.25 mm ² AWG 28-24 5 mm					
0.13-0.33 mm ² AWG 26-22 5 mm					
0.33-0.52 mm ² AWG 22-20 5 mm					

Crimp contacts 10A

contact resistance ≤3mΩ
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					
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 0.75mm ² , it's better to use the auxiliary pin assembly TL15.					

Tools

Crimping tool



Contact removal tool



Wire gauge	Designation	Order No.
0.09-0.82mm ²	TL03	198 001 001 0002

Application	Designation	Order No.
for 5A crimp contact	TL08	198 001 000 0006

Tools

Crimping tool



Contact removal tool



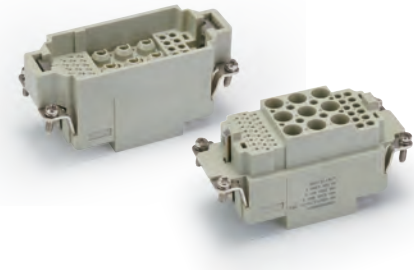
More tools detail please find the page 32-03~32-06.

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

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

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

HK-009/12/25 Combination inserts



Technical characteristics

Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	
Inserts	
Number of contacts	9/12/25
Electrical data acc. to EN 61 984	
Signal area	
Rated current	5A
Rated voltage	50V
Rated impulse voltage	0.8KV
Pollution degree	3
Power area	
Rated current	10A/40A
Rated voltage	250V/630V
Rated impulse voltage	4KV/8KV
Pollution degree	3
Insulation resistance	≥10 ¹⁰ Ω
Material	polycarbonate
Limiting temperatures	-40℃...+125℃
Flammability acc. to UL 94	V0
Mechanical working life(mating cycles)	≥500
Contacts	
Material	copper alloy
Surface	hard-silver plated hard-gold plated
Contact resistance	≤3mΩ/1mΩ
Crimp terminal	
-mm²	0.09-0.52mm²/0.14-2.5mm²/ 1.5-6mm²
-AWG	28-20/26-14/16-10
Stripping length	5/8/9(9.6)mm

HK-009/12/25 Combination inserts

630/250/50V 40/10/5A 009/12/25+

Inserts

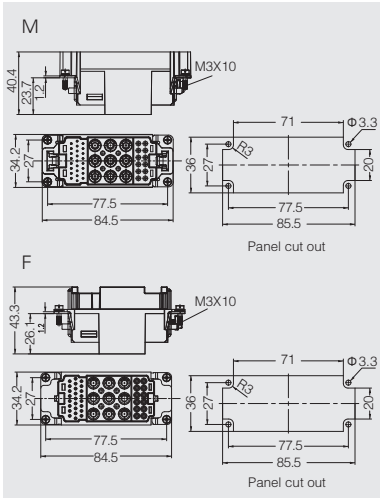
Hoods/Housings: size 16B, please find the details on page 15-70~15-107.

Crimp terminal

Order crimp contacts separately



Insert	Designation	Order No.
Male	HK-009/12/25-MC	128 009 010 0002
Female	HK-009/12/25-FC	128 009 020 0002



Crimp contacts

Crimp contacts 5A

Contact resistance ≤3mΩ
silver plated



gold plated



Male	Order No.	Female	Order No.
CSSM-0.25	101 014 110 0101	CSSF-0.25	101 014 120 0101
CSSM-0.33	101 014 110 0201	CSSF-0.33	101 014 120 0201
CSSM-0.52	101 014 110 0501	CSSF-0.52	101 014 120 0501
CSGM-0.25	101 014 210 0101	CSGF-0.25	101 014 220 0101
CSGM-0.33	101 014 210 0201	CSGF-0.33	101 014 220 0201
CSGM-0.52	101 014 210 0501	CSGF-0.52	101 014 220 0501

a	b	c	d	e	f
8.10	4.0	14.8	0.64	1.66	14.4
8.10	4.0	14.8	0.90	1.66	14.4
8.10	4.0	14.8	1.12	1.66	14.4
Wire gauge		Stripping length			
0.09-0.25 mm²		AWG 28-24	5 mm		
0.13-0.33 mm²		AWG 26-22	5 mm		
0.33-0.52 mm²		AWG 22-20	5 mm		

Crimp contacts 10A

contact resistance ≤3mΩ
silver plated



gold plated



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 mm²	AWG 26-22	0.9
0.5 mm²	AWG 20	1.1
0.75 mm²	AWG 18	1.3
1 mm²	AWG 18	1.45
1.5 mm²	AWG 16	1.75
2.5 mm²	AWG 14	2.25

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

Crimp contacts 40A

silver plated



gold plated



Male	Designation	Female	Order No.
CCSM-1.5	101 023 110 0901	CCSF-1.5	101 023 120 0901
CCSM-2.5	101 023 110 1001	CCSF-2.5	101 023 120 1001
CCSM-4.0	101 023 110 1201	CCSF-4.0	101 023 120 1201
CCSM-6.0	101 023 110 1301	CCSF-6.0	101 023 120 1301
CCGM-1.5	101 023 210 0901	CCGF-1.5	101 023 220 0901
CCGM-2.5	101 023 210 1001	CCGF-2.5	101 023 220 1001
CCGM-4.0	101 023 210 1201	CCGF-4.0	101 023 220 1201
CCGM-6.0	101 023 210 1301	CCGF-6.0	101 023 220 1301

Wire gauge	Φ	Stripping length
1.5 mm²	AWG 16	1.75
2.5mm²	AWG 14	2.25
4 mm²	AWG 12	2.85
6 mm²	AWG 10	3.5

Tools

Crimping tool



Wire gauge	Designation	Order No.
0.09-0.82mm2	TL03	198 001 001 0002
0.14-4mm2	TL02G	198 001 001 0011
1.5-6mm2	TL02-OG	198 001 001 0012

Tools

Contact removal tool



Application	Designation	Order No.
for 5A crimp contact	TL08	198 001 000 0006
for 10A crimp contact	TL00	198 001 000 0001
for 40A crimp contact	TL06G	198 001 000 0009

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.
More tools detail please find the page32-03~32-06.