

HMK-003/4 Crimp module

830/830V 40/10A

Inserts



Combination with hinged frame and other modules possible.

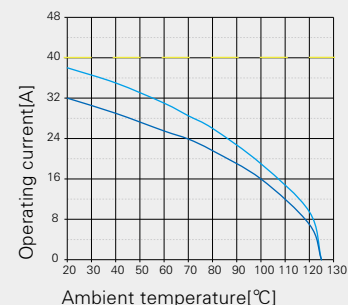
Technical characteristics

Specifications	DIN EN 60 664 DIN EN 61 984		
Approvals			
Inserts		Contacts	
Number of contacts	3/4	Material	copper alloy
Electrical data acc. to EN 61 984		Surface	hard-silver plated hard-gold plated
Power contacts		Contact resistance	
- Rated current	40A	- Power contacts	≤ 1mΩ
- Rated voltage	830V	- Signal contacts	≤ 3mΩ
- Rated impulse voltage	8kV	Crimp terminal	
- Pollution degree	3	- mm ²	
Signal contacts		- Power contacts	1.5-6mm ²
- Rated current	10A	- Signal contacts	0.14-2.5mm ²
- Rated voltage	830V	- AWG	
- Rated impulse voltage	8kV	- Power contacts	16-10
- Pollution degree	3	- Signal contacts	26-14
Rated voltage acc. to UL	600V	Max. insulation diameter	
Insulation resistance	≥ 10 ¹⁰ Ω	- Power contacts	5mm
Material	polycarbonate		
Limiting temperatures	-40°C ... +125°C		
Flammability acc. to UL 94	V0		
Mechanical working life	≥ 500		

Current carrying capacity

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

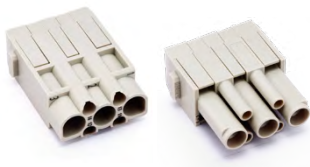
Control and test procedures according to DIN EN 60512-5



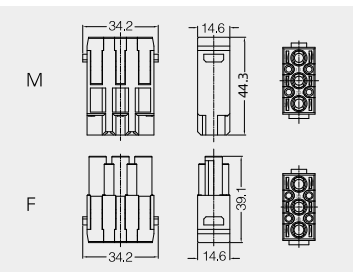
— 24 B hoods/housings with 6 modules, wire gauge: 6mm²
— 24 B hoods/housings with 6 modules, wire gauge: 4mm²

Crimp terminal

Order crimp contacts separately



Insert	Designation	Order No.
Male	HMK-003/4-MC	129 007 010 0001
Female	HMK-003/4-FC	129 007 020 0001



Crimp contacts

Crimp contacts 40A/10A

Contact resistance ≤ 1 mΩ
silver plated

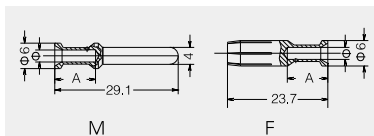
Male	Order No.	Female	Order No.
CCSM-1.5	101 023 110 0901	CCSF-1.5	101 023 120 0901
CCSM-2.5	101 023 110 1001	CCSF-2.5	101 023 120 1001
CCSM-4.0	101 023 110 1201	CCSF-4.0	101 023 120 1201
CCSM-6.0	101 023 110 1301	CCSF-6.0	101 023 120 1301
CCSM-10.0	101 023 110 1401	CCSF-10.0	101 023 120 1401

Contact resistance ≤ 3 mΩ
silver plated

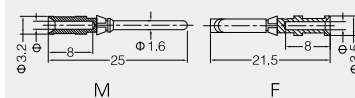
CDSM-0.25	101 017 110 0101	CDSF-0.25	101 017 120 0101
CDSM-0.37	101 017 110 0301	CDSF-0.37	101 017 120 0301
CDSM-0.50	101 017 110 0401	CDSF-0.50	101 017 120 0401
CDSM-0.75	101 017 110 0601	CDSF-0.75	101 017 120 0601
CDSM-1.0	101 017 110 0801	CDSF-1.0	101 017 120 0801
CDSM-1.5	101 017 110 0901	CDSF-1.5	101 017 120 0901
CDSM-2.5	101 017 110 1001	CDSF-2.5	101 017 120 1001

Contact resistance ≤ 3mΩ
gold plated

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

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

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



Wire gauge	Φ	Stripping length
0.09-0.25 mm ² AWG 28-24	0.65	5 mm
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 TL16.

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

*Please find the details of crimp contact tools on page 32-02~32-05.