HMK-003/4 Crimp module

830/830V 40/10A

Inserts

Combination with hinged frame and other modules possible.

Technical characteristics

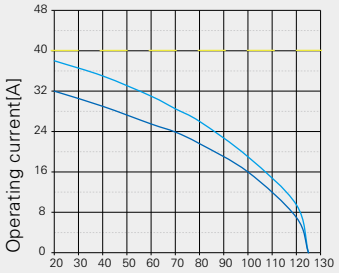
Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	

Inserts		Contacts	
Number of contacts	3/4	Material	copper alloy
Electrical data acc. to EN 61 984		Surface	hard-silver plated
Power contacts			hard-gold plated
-Rated current	40A	Contact resistance	
-Rated voltage	830V	-Power contacts	⩽ 1mΩ
-Rated impulse voltage	8kV	-Signal contacts	⩽ 3mΩ
-Pollution degree	3	Crimp terminal	
Signal contacts		- mm^2	
-Rated current	10A	-Power contacts	1.5-6mm^2
-Rated voltage	830V	-Signal contacts	0.14-2.5mm^2
-Rated impulse voltage	8kV	- AWG	
-Pollution degree	3	-Power contacts	16-10
Rated voltage acc. to UL	600V	-Signal contacts	26-14
Insulation resistance	⩾ $10^{10}\Omega$	Max. insulation diameter	
Material	polycarbonate	- Power contacts	5mm
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

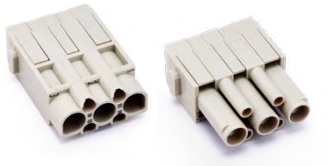


— 24 B hoods/housings with 6 modules, wire gauge: 6mm²

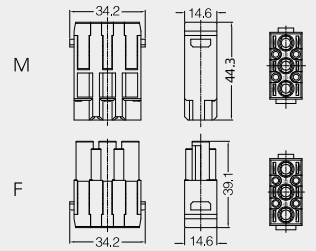
— 24 B hoods/housings with 6 modules, wire gauge: 4mm²

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

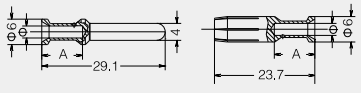
Contact resistance ≤ 1 mΩ silver plated

Contact resistance ≤ 3 mΩ silver plated

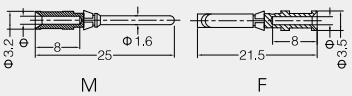
Contact resistance ≤ 3mΩ gold plated

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

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
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
1.5 mm²	AWG 16	1.75	9.6 mm
2.5mm²	AWG 14	2.25	9.6 mm
4 mm²	AWG 12	2.85	9.6 mm
6 mm²	AWG 10	3.5	9.6 mm



Wire gauge		Φ	Stripping length
0.09-0.25 mm²	AWG 28-24	0.65	5 mm
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 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.