

HMK-003 Crimp module

500V 40A

Inserts



Combination with hinged frame and other modules possible.

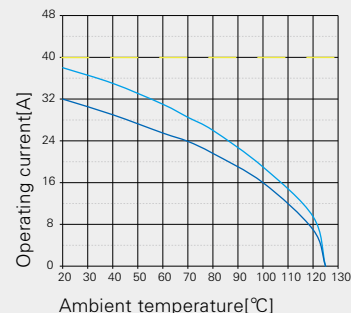
Technical characteristics

Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	
Inserts	
Number of contacts	3
Electrical data acc. to EN 61 984	
Cable diameter up to 7.5 mm	
- Rated current	40A
- Rated voltage	500V
- Rated impulse voltage	6kV
- Pollution degree	3
Rated voltage acc. to UL	600V
Rated current acc. to UL	32A
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-silver plated
Contact resistance	$\leq 1\text{m}\Omega$
Crimp terminal	
- mm ²	1.5-10mm ²
- AWG	16-8

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



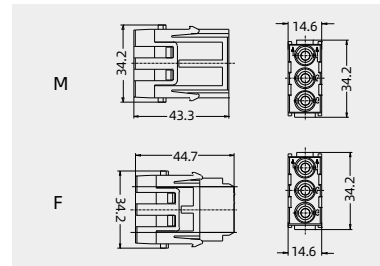
— 24 B hoods/housings with 6 modules, wire gauge: 6mm²
— 24 B hoods/housings with 6 modules, wire gauge: 4mm²

Crimp terminal

Order crimp contacts separately



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



Crimp contacts

Crimp contacts 40A

Contact resistance $\leq 1\text{m}\Omega$
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

M		F	
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
10 mm ²	AWG 8	4.3	12 mm
Stripping length A = 15 mm for cables $\geq 5\text{ mm}$			
Stripping length A = 18 mm for cables $\geq 6.4\text{ mm}$			

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

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