

H2MVC-002 High voltage module

2900/5000V 40A

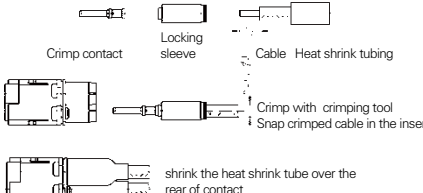
Inserts



Combination with hinged frame and other modules possible.
Only suitable for high structure shells.

Technical characteristics

Specifications	DIN EN 60 664 DIN EN 61 984		
Approvals			
Inserts		Contacts	
Number of contacts	2	Material	copper alloy
Electrical dataacc. to EN 61 984		Surface	hard-silver plated
-Rated current	40A	Contact resistance	≤ 1mΩ
-Rated voltage conductor(ground)	2900V	Crimp terminal	
-Rated voltage conductor(conductor)	5000V	-mm ²	1.5-10mm ²
-Rated impulse voltage	15kV	-AWG	16-8
-Pollution degree	3		
Insulation resistance	≥ 10 ¹⁰ Ω	Assembly instructions	
Material	polycarbonate/ PTFE		
Limiting temperatures	-40°C ...+125°C		
Flammability acc. to UL 94	V0		
Max. cable diameter	9mm		
Mechanical working life			
- mating cycles	≥ 500		



Crimp contact

Locking sleeve

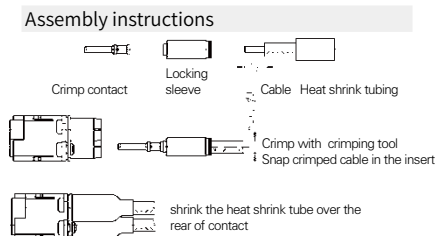
Cable

Heat shrink tubing

Crimp with crimping tool

Snap crimped cable in the inser

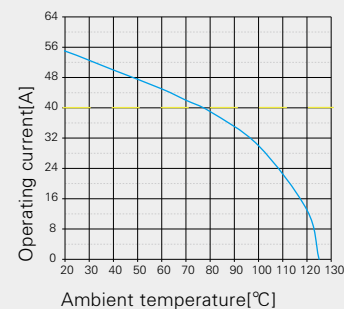
shrink the heat shrink tube over the rear of contact



Current carrying capacity

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

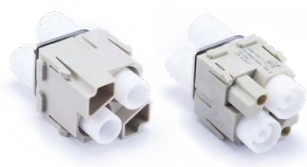
Control and test procedures according to DIN EN 60512-5



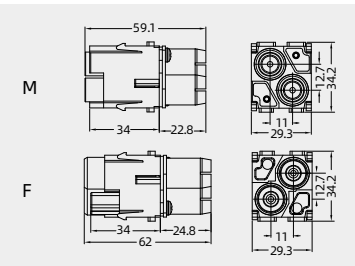
— 24 B hoods/housings with 3 modules, wire gauge: 6mm²

Crimp terminal

Order crimp contacts separately



Insert	Designation	Order No.
Male	H2MVC-002-MC	129 002 010 0401
Female	H2MVC-002-FC	129 002 020 0401



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 locking sleeve	TL10	198 001 000 0014

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