

H2MVE-002 High voltage module

2900/5000V 16A

Inserts

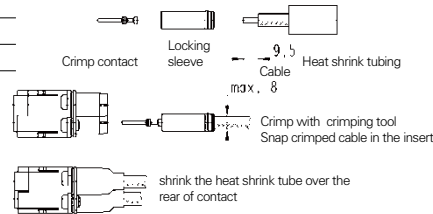


Combination with hinged frame and other modules possible.
Only suitable for high structure shells.

Technical characteristics

Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	
Inserts	
Number of contacts	2
Electrical data acc. to EN 61 984	
-Rated current	16A
-Rated voltage conductor(ground)	2900V
-Rated voltage conductor(conductor)	5000V
-Rated impulse voltage	15kV
-Pollution degree	3
Insulation resistance	$\geq 10^{10}\Omega$
Material	polycarbonate/PTFE
Limiting temperatures	-40°C ...+125°C
Flammability acc. to UL 94	V0
Mechanical working life	
Mechanical working life	≥ 500
Contacts	
Material	copper alloy
Surface	- hard-silver plated - hard-gold plated
Contact resistance	$\leq 1\text{m}\Omega$
Crimp terminal	
-mm ²	0.5-4mm ²
-AWG	20-12

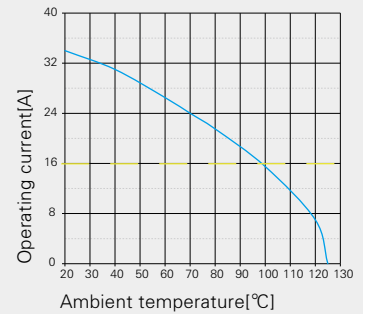
Assembly instructions



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



— 16 B hoods/housings with 1 modules,
wire gauge: 2.5mm²

Crimp terminal

Order crimp contacts separately



Insert	Designation	Order No.
Male	H2MVE-002-MC	129 002 010 0301
Female	H2MVE-002-FC	129 002 020 0301

Crimp contacts

Crimp contacts 16A

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

gold plated



More crimp contacts 16A see P13-04.

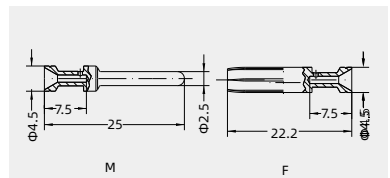
Tools

Crimping tool



Male	Order No.	Female	Order No.
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-0.50	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

Wire gauge	Designation	Order No.
0.14-4mm ²	TL02G	198 001 001 0011
Application	Designation	Order No.
for locking sleeve	TL10	198 001 000 0014



Identification	Wire gauge	Stripping length
no groove	0.5 mm ² AWG 20	7.5mm
1 groove	0.75 mm ² AWG 18	7.5mm
1 groove	1 mm ² AWG 18	7.5mm
2 grooves	1.5 mm ² AWG 16	7.5mm
3 grooves	2.5 mm ² AWG 14	7.5mm
wide groove	3 mm ² AWG 12	7.5mm
no groove	4 mm ² AWG 12	7.5mm

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

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