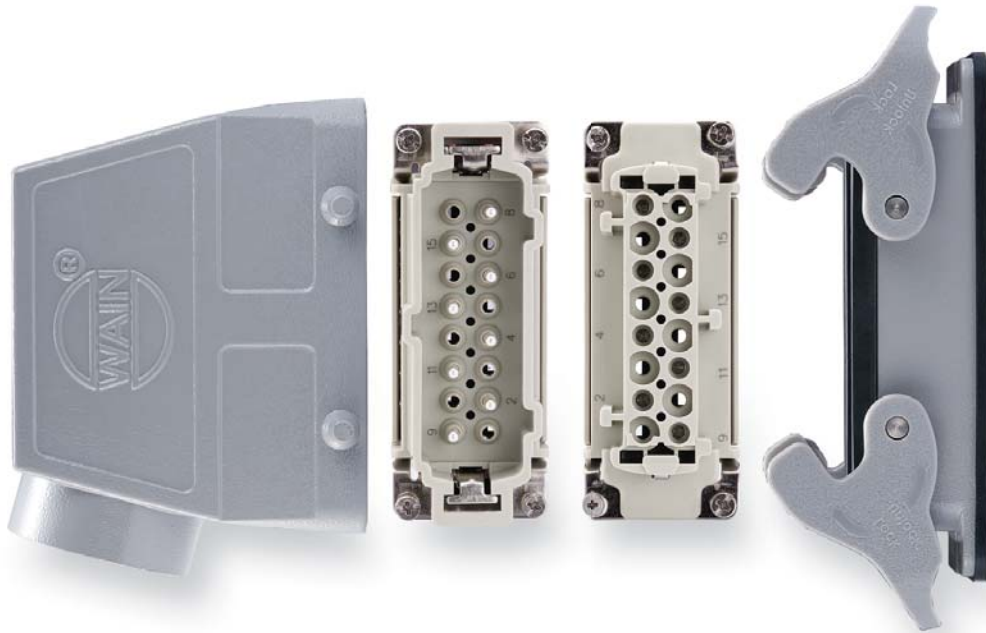


HVES SERIES

High voltage connector(spring piece connector)



HVES SERIES High voltage inserts

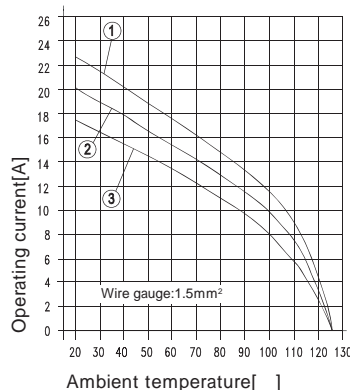
Technical characteristics

Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	
Inserts	
Number of contacts	3,6,10,12,20+PE + 2 additional contacts for safe high voltage connections
Electrical data acc. to DIN EN 61 984	
- Rated current	16A
- Rated voltage	830V
- Rated impulse voltage	8kV
- Pollution degree	3
- Pollution degree 2 also	16A 1000V 8kV 2
- or	16A 720/1250V 8kV 2
- Relay contacts	16A 500V 6kV 3
Rated voltage acc. to UL/CSA	600V
Relay contacts	250V
Insulation resistance	10 ¹⁰
Material	polycarbonate
Limiting temperatures	-40 ...+125
Flammability acc. to UL 94	V0
Mechanical working life(mating cycles)	500
Contacts	
Material	copper alloy
Surface	hard - silver plated
Contact resistance	3m
Spring terminal	
- wire gauge	0.14 - 2.5mm ²
- AWG	26 - 14
- Stripping length	7 - 9mm

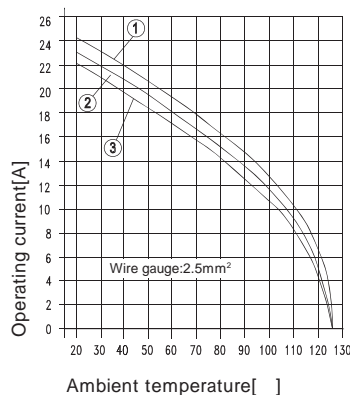
Current carrying capacity

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



HVES - 003 - MS/FS
HVES - 006 - MS/FS
HVES - 010 - MS/FS



HVES - 003 - MS/FS
HVES - 006 - MS/FS
HVES - 010 - MS/FS

HVE-003 High voltage inserts

830V 16A 3+2+⊕



Inserts

Hoods/Housings : size 10B, detail please find the page 16-25-16-35.

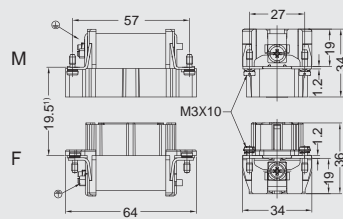
Spring terminal



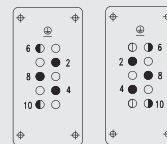
Insert	Designation	Order No.
Male	HVE -003 - MS	05100330100
Female	HVE -003 - FS	05100330200

HV
ES

1) Distance for contact max. 21 mm



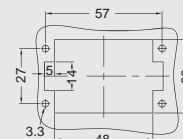
Contact arrangement view from termination side



M

F

Panel cut out for inserts for use without hoods/housings



HVE-006 High voltage inserts

830V 16A 6+2+⊕



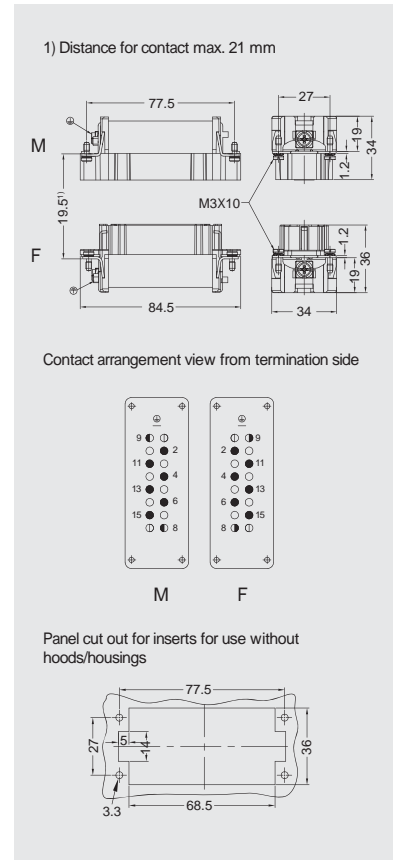
Inserts

Hoods/Housings : size 16B, detail please find the page 16-42~16-53.

Spring terminal



Insert	Designation	Order No.
Male	HVE - 006 - MS	05100630100
Female	HVE - 006 - FS	05100630200



HVE-010 High voltage inserts

830V 16A 10+2+⏚



Inserts

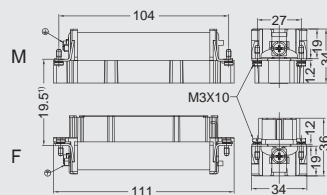
Hoods/Housings : size 24B, detail please find the page 16-61-16-73.

Spring terminal

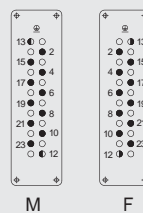


Insert	Designation	Order No.
Male	HVE -010 - MS	05101030100
Female	HVE -010 - FS	05101030200

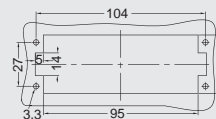
1) Distance for contact max. 21 mm



Contact arrangement view from termination side



Panel cut out for inserts for use without hoods/housings



HVE-012 High voltage inserts

830V 16A 12+4+⊕



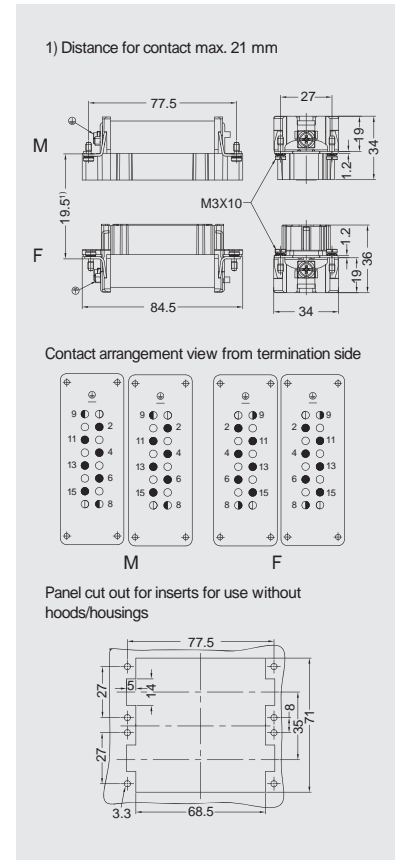
Inserts

Hoods/Housings : size 32B, detail please find the page 16-81~16-82.

Spring terminal



Insert	Designation	Order No.
Male	HVE - 006 - MS	05100630100
	HVE - 006 - MS(7 - 12)	05100632100
Female	HVE - 006 - FS	05100630200
	HVE - 006 - FS(7 - 12)	05100632200



High voltage inserts

830V 16A 20+4+⏚



Inserts

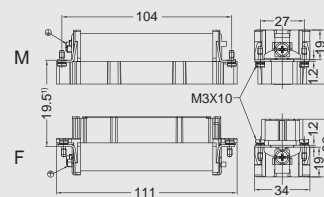
Hoods/Housings : size 48B, detail please find the page16-85.

Spring terminal

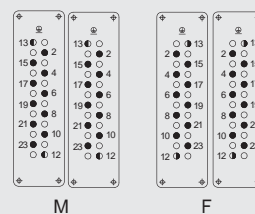


Insert	Designation	Order No.
Male	HVE -010- MS	05101030100
	HVE -010- MS(11 -20)	05101032100
Female	HVE -010- FS	05101030200
	HVE -010- FS(11 -20)	05101032200

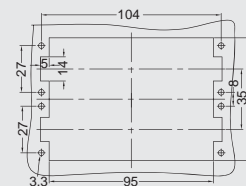
1) Distance for contact max. 21 mm

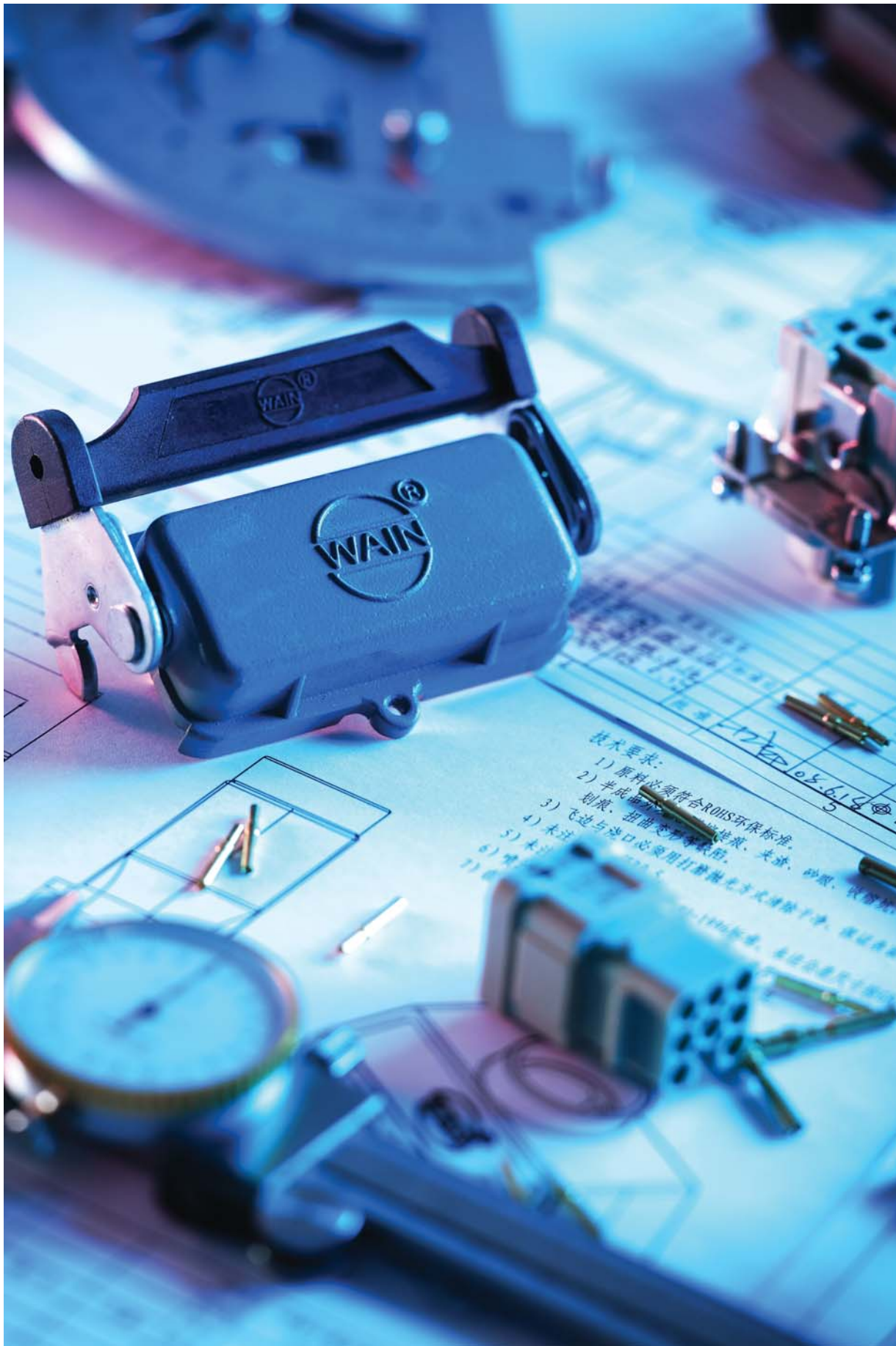


Contact arrangement view from termination side



Panel cut out for inserts for use without hoods/housings





技术要求:
1) 原料必须符合ROHS环保标准。
2) 半成品必须经过超声波、共渣、砂眼、收口处理。
3) 飞边与浇口必须用打磨抛光方式清除干净, 保证质量。
4) 未注尺寸按GB/T 19834标准。
5) 注塑公差按GB/T 19834标准。
6) 注塑公差按GB/T 19834标准。
7) 注塑公差按GB/T 19834标准。