

HVES SERIES

High voltage connector(spring piece connector)



HVES SERIES High voltage inserts

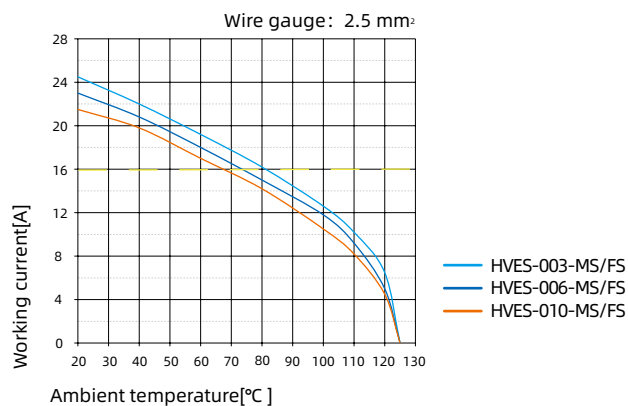
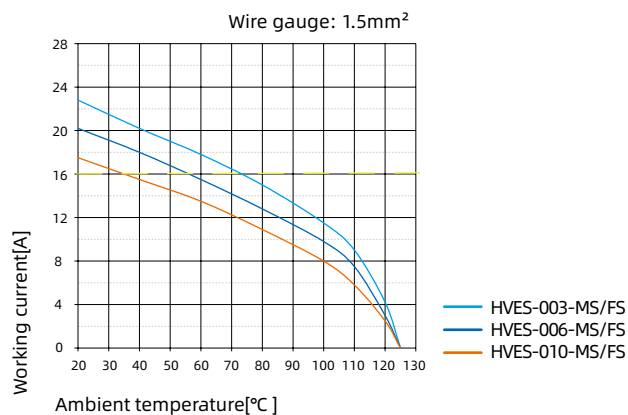
Technical characteristics

Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	 ENEC
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	600V
Relay contacts	250V
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	$\leq 3m\Omega$
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

HVE-003 High voltage inserts

830V 16A 3+2+ 



Inserts

Remark: SPQ is 5pcs

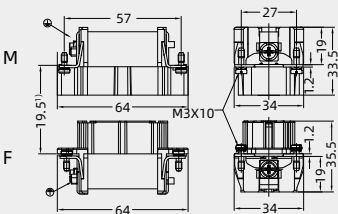
Hoods/Housings: size10B, please find the details on page 15-39~15-69.

Spring terminal, See P00-14 for the structural characteristics of spring.

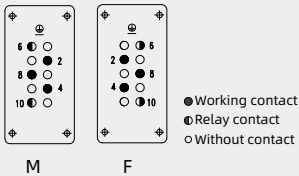


Insert	Designation	Order No.
Male	HVE-003-MS	124 003 012 0001
Female	HVE-003-FS	124 003 022 0001

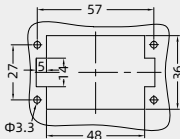
1) Distance for contact max. 21 mm



Contact arrangement view from termination side



Panel cut out for inserts for use without hoods/housings



HVE-006 High voltage inserts

830V 16A 6+2+ 

Inserts

Remark: SPQ is 5pcs

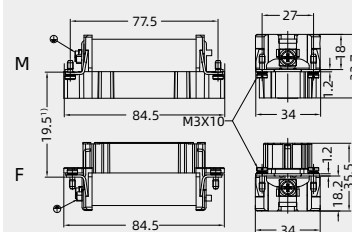
Hoods/Housings: size 16B, please find the details on page 15-70~15-1071.

Spring terminal, See P00-14 for the structural characteristics of spring.

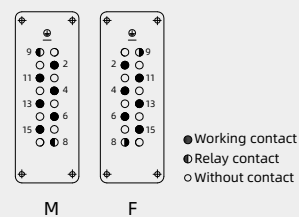


Insert	Designation	Order No.
Male	HVE-006-MS	124 006 012 0001
Female	HVE-006-FS	124 006 022 0001

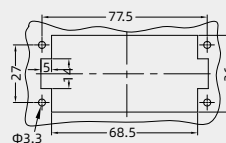
1) Distance for contact max. 21 mm



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+ 

EAC

Inserts

Remark: SPQ is 5pcs

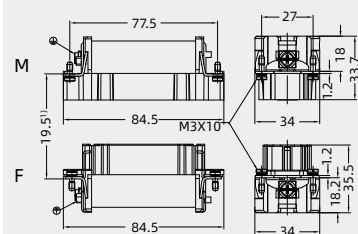
Hoods/Housings: size 32B, please find the details on page 15-151~15-159.

Spring terminal, See P00-14 for the structural characteristics of spring.

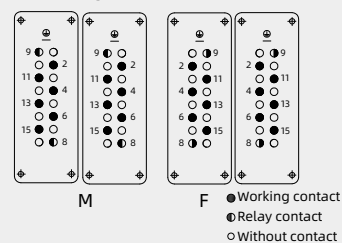


Insert	Designation	Order No.
Male	HVE-006-MS	124 006 012 0001
	HVE-006-MS(7-12)	124 006 012 0002
Female	HVE-006-FS	124 006 022 0001
	HVE-006-FS(7-12)	124 006 022 0002

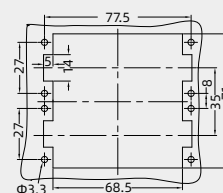
1) Distance for contact max. 21 mm



Contact arrangement view from termination side



Panel cut out for inserts for use without hoods/housings



HVES

HVE-020 High voltage inserts

830V 16A 20+4+ 

ERC

Inserts

Remark: SPQ is 5pcs

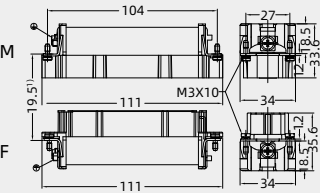
Hoods/Housings: size 48B, please find the details on page 15-160~15-162.

Spring terminal, See P00-14 for the structural characteristics of spring.

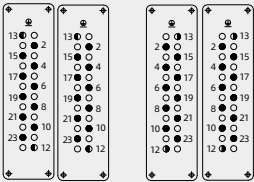


Insert	Designation	Order No.
Male	HVE-010-MS	124 010 012 0001
	HVE-010-MS(11-20)	124 010 012 0002
Female	HVE-010-FS	124 010 022 0001
	HVE-010-FS(11-20)	124 010 022 0002

1) Distance for contact max. 21 mm



Contact arrangement view from termination side



● Working contact
○ Relay contact
○ Without contact

Panel cut out for inserts for use without hoods/housings

