

HVE-020 High voltage inserts

830V 16A 20+4+⊕



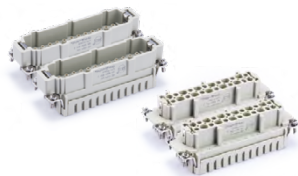
Inserts

Screw terminal



Crimp terminal

Order crimp contacts separately

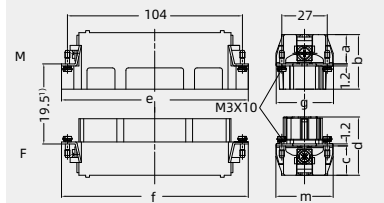


Hoods/Housings: Screw terminal size WV48B/HV48B, please find the details on page 15-162.
Crimp terminal size 48B, please find the details on page 15-160~15-162.

Insert	Designation	Order No.
Male	HVE-010-M	124 010 011 0001
	HVE-010-M(11-20)	124 010 011 0002
Female	HVE-010-F	124 010 021 0001
	HVE-010-F(11-20)	124 010 021 0002

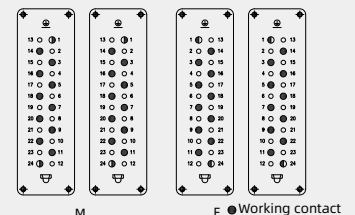
Insert	Designation	Order No.
Male	HVE-010-MC	124 010 010 0001
	HVE-010-MC(11-20)	124 010 010 0002
Female	HVE-010-FC	124 010 020 0001
	HVE-010-FC(11-20)	124 010 020 0002

1) Distance for contact max. 21 mm

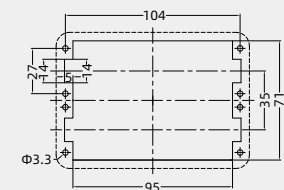


	a	b	e	g	c	d	f	m
M/F	17	32.5	111	33.5	17	34.5	111	33.5
MC/FC	18.3	33.5	111	34	18.3	35.5	111	34

Contact arrangement view from termination side



Panel cut out for inserts for use without hoods/housings



Crimp contacts

Crimp contacts 16A

16A Operating contacts
Contact resistance $\leq 1\text{m}\Omega$
silver plated



Relay contacts²⁾
silver plated



More crimp contacts 16A see P13-04.

Tools

Crimping tool



Contact removal tool



Male	Order No.	Female	Order No.
CESM-0.37	101 019 110 0301	CESF-0.37	101 019 120 0301
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

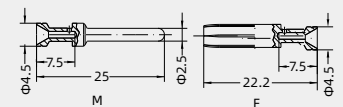
Wire gauge	Designation	Order No.
1	CESM-1.0R	101 019 110 0808
1.5	CESM-1.5R	101 019 110 0908
2.5	CESM-2.5R	101 019 110 1008

Wire gauge	Designation	Order No.
0.14-4mm ²	TL02G	198 001 001 0011

Wire gauge: 0.14-0.37mm² please select TL02 Crimping tool.

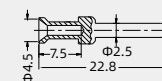
Application	Designation	Order No.
for crimp contacts 16A	TL01	198 001 000 0002

More tools detail please find the page32-03~32-06.



Identification	Wire gauge	Stripping length
no groove	0.14-0.37 mm ² AWG 26-22	7.5mm
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.

2) Delay pin is relatively short, delay contact, protect circuit to avoid electric arc.