

HV Series**Clamped Cover High Voltage Enclosures**

Adalet's Single Door Clamped High Voltage Junction Boxes are available in stainless steel 316L and 304. Silicone gaskets, removable hinge pin, box and cover ground studs including an internal / external earthing stud, and a universal rail mounting system are included as standard.

STANDARD FEATURES

- 31 standard sizes available in 1 x 1 or 2 x 2 connection options
- Stainless steel cover clamps and screws
- Continuous piano hinge with removable steel pin
- Watertight silicone gasket
- Set of three porcelain insulators (1 x 1) or mechanical connections (2 x 2)
- Adjustable mounting plate (1 x 1 and 2 x 2)
- Adjustable clamp rails (1 x 1 and 2 x 2)
- Padlock hasp and staple
- Internal rail mounting system
- Ground stud on box and cover
- Internal / external ground lug #6 - 350MCM Al/Cu
- Wall mounting feet

DESIGN OPTIONS

- Gland plates (6" or greater) can be supplied pre-drilled or blank for field drilling
- Mounting panels
- Drilled entries and cut-outs
- UHWM-PE cable clamps (1 x 1 connection only)
- Breather / drain
- Stopping plugs
- Terminal block assemblies
- Stainless steel mounting panels
- Cable glands and conduit fittings
- Internal earth bar

MATERIAL

- Type 304 or 316L stainless steel
- Enclosure and cover constructed from 14 gauge (.075 stainless steel with #3/4 brush finish)
- Gland plates constructed from 10 gauge (.1345) stainless steel with #3/4 brush finish
- Silicone gasket constructed from ¼" Bisco silicone with acrylic PSA
- Gland plate gasket constructed from ⅛" Bisco silicone with acrylic PSA

**CERTIFICATIONS**

Class I, Division 2, Groups A, B, C, D
 Class II, Division 2, Groups F, G
 Class I, Zone 1, AEx II T6 Tamb -20°C < Ta < +55°C
 CE 0539 Ex II 2 G Ex e II T6 -20°C < Ta < +55°C
 CE 0539 Ex II 2 D Ex tD A21 IP66 T200°C
 DEMKO 01 ATEX 130437X
 IECEX UL 09.0021X
 Ex e II T6 -20°C < Ta < +55°C
 Ex tD A21 IP66 T200°C
 NEMA Type 4, 4X, 12 & 13

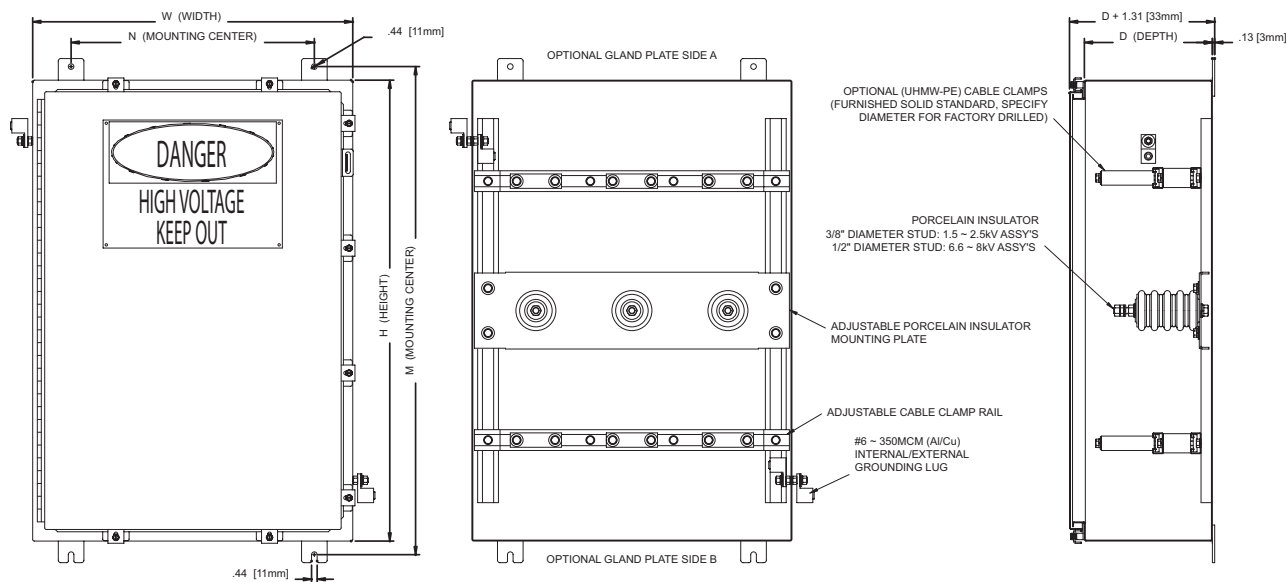


INCREASED SAFETY

HIGH VOLTAGE ENCLOSURES

1 x 1 Connection Series

INCREASED SAFETY ENCLOSURES



ENCLOSURE	VOLTAGE AMPER						
	H	W	D	M	N	MAX	MAX
HV4X6-241206	24.00	12.00	6.00	25.25	9.50	1.5kV	315
HV4X6-242006	24.00	20.00	6.00	25.25	14.00	1.5kV	315
HV4X6-201206	20.00	12.00	6.00	21.25	9.50	2.5kV	250
HV4X6-161606	16.00	16.00	6.00	17.25	10.00	2.5kV	200
HV4X6-241606	24.00	16.00	6.00	25.25	10.00	2.5kV	315
HV4X6-301606	30.00	16.00	6.00	31.25	10.00	2.5kV	400
HV4X6-202006	20.00	20.00	6.00	21.25	14.00	2.5kV	250
HV4X6-201407	20.00	14.00	7.00	21.25	8.00	2.5kV	250
HV4X6-251807	25.00	18.00	7.00	26.25	12.00	2.5kV	315
HV4X6-302207	30.00	22.00	7.00	31.25	16.00	2.5kV	400
HV4X6-362507	36.00	25.00	7.00	37.25	19.00	2.5kV	400
HV4X6-201610	20.00	16.00	10.00	21.25	10.00	6.6kV	250
HV4X6-302010	30.00	20.00	10.00	31.25	14.00	8kV	400
HV4X6-242010	24.00	20.00	10.00	25.25	14.00	8kV	315
HV4X6-302410	30.00	24.00	10.00	31.25	18.00	8kV	400
HV4X6-242410	24.00	24.00	10.00	25.25	18.00	8kV	315
HV4X6-362410	36.00	24.00	10.00	37.25	18.00	8kV	400
HV4X6-362510	36.00	25.00	10.00	37.25	19.00	8kV	400
HV4X6-603610	60.00	36.00	10.00	61.25	30.00	8kV	400
HV4X6-603616	60.00	36.00	16.00	61.25	30.00	8kV	400

MIN CONDUCTOR SIZE		AMPERAGE
mm ²	AWG/MCM	MAX
10	8	50
16	6	63
25	4	80
35	2	100
50	1/0	125
70	2/0	160
95	3/0	200
120	4/0	225
150	250	250
185	350	315
240	400	400
300	500	500

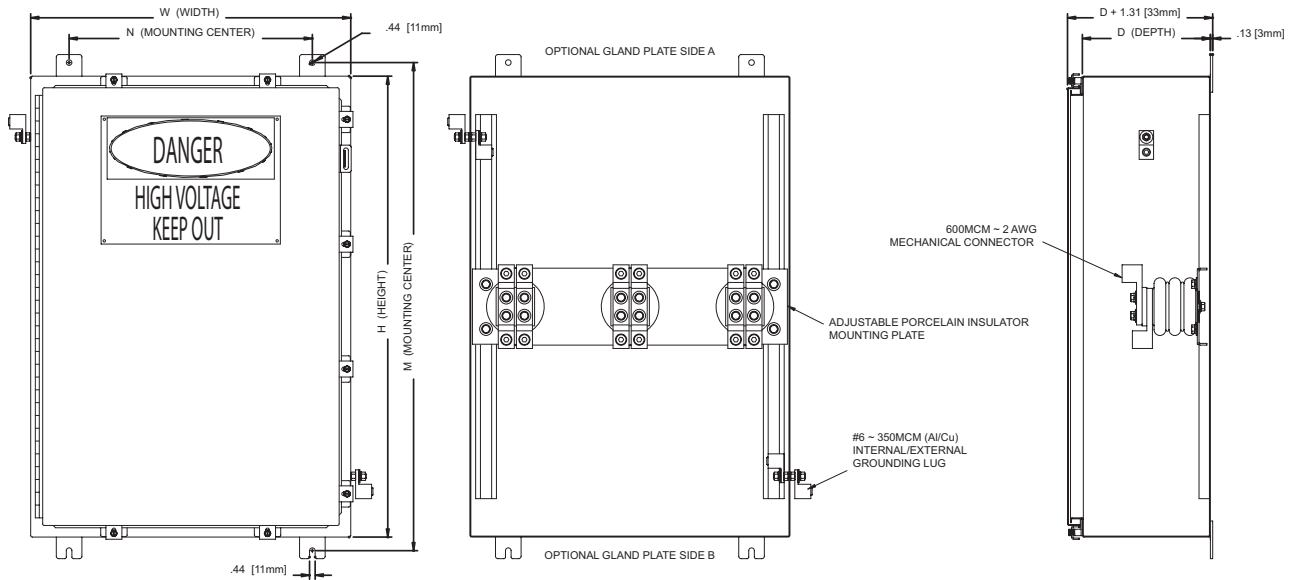
- NOTES**
- For stainless steel 304 assemblies substitute HV4X6- prefix with HV4X- prefix.
 - Please specify working voltage, amperage and conductor size when requesting quote.
 - For conduit/cable entry spacing, wire bending and wire conversion guidelines, refer to inside back cover of this catalog.
 - Gland plate options are available on the top and bottom sides of the box. Add the following suffixes for gland plates:
 - A: Gland plate installed on TOP side of box
 - B: Gland plate installed on BOTTOM side of box

For multiple gland plates omit dashes.
(i.e. HV4X6-161608-ABCD)

HIGH VOLTAGE ENCLOSURES

2 x 2 Connection Series

INCREASED SAFETY ENCLOSURES



ENCLOSURE	H	W	D	M	N	VOLTAGE MAX	MAX AMP. T6 RATING		MAX AMP. T5 RATING	
							Phase	Ea. Conductor	Phase	Ea. Conductor
HV4X6-202008	20.00	20.00	8.00	21.25	14.00	1.1kV	500	250	500	250
HV4X6-242008	24.00	20.00	8.00	25.25	14.00	1.1kV	630	315	630	315
HV4X6-242408	24.00	24.00	8.00	25.25	18.00	1.1kV	630	315	630	315
HV4X6-202010	20.00	20.00	10.00	21.25	14.00	1.1kV	500	250	500	250
HV4X6-242010	24.00	20.00	10.00	25.25	14.00	1.1kV	630	315	630	315
HV4X6-302010	30.00	20.00	10.00	31.25	14.00	1.1kV	650	325	800	400
HV4X6-242410	24.00	24.00	10.00	25.25	18.00	1.1kV	630	315	630	315
HV4X6-302410	30.00	24.00	10.00	31.25	18.00	1.1kV	650	325	800	400
HV4X6-362410	36.00	24.00	10.00	37.25	18.00	1.1kV	650	325	800	400
HV4X6-362510	36.00	25.00	10.00	37.25	19.00	1.1kV	650	325	1000	500
HV4X6-603610	60.00	36.00	10.00	61.25	30.00	1.1kV	650	325	1000	500

MIN CONDUCTOR SIZE		AMPERAGE
mm ²	AWG/MCM	MAX
10	8	50
16	6	63
25	4	80
35	2	100
50	1/0	125
70	2/0	160
95	3/0	200
120	410	225
150	250	250
185	350	315
240	400	400
300	500	500

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