

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 1/4" Bisco silicone with acrylic PSA
- Gland plate gasket constructed from 1/8" Bisco silicone with acrylic PSA

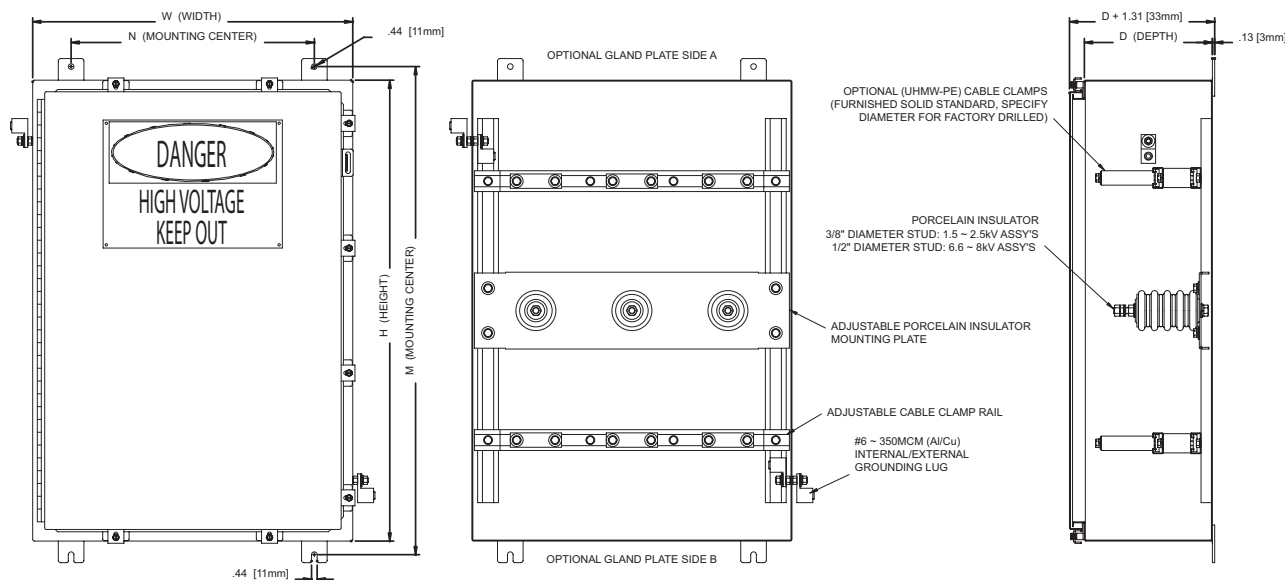


CERTIFICATIONS

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



1 x 1 Connection Series

INCREASED SAFETY
ENCLOSURES

ENCLOSURE	VOLTAGE				AMPERE		
	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

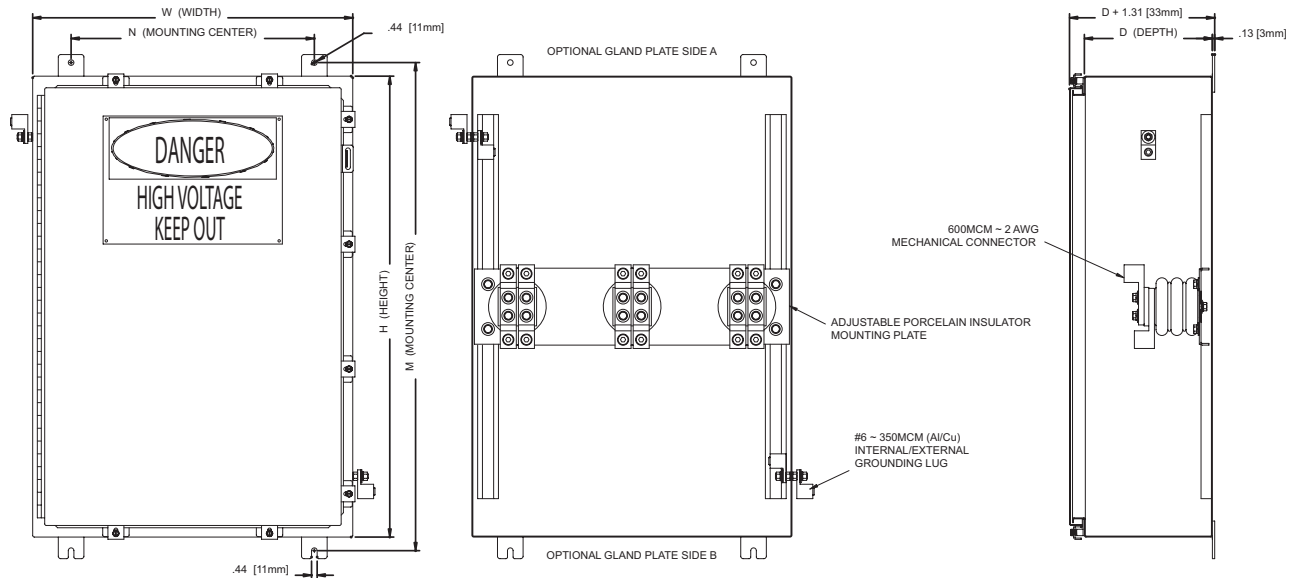
MIN CONDUCTOR SIZE		AMPERAGE
mm ²	AWG/MCM	MAX
10	8	50
16	6	63
25	4	80
35	2	100
50	1/0	125
70	2/0	160
95	3/0	200
120	410	225
150	250	250
185	350	315
240	400	400
300	500	500

- 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)

2 x 2 Connection Series

INCREASED SAFETY
ENCLOSURES



ENCLOSURE	H	W	D	M	N	MAX	VOLTAGE		MAX AMP. T6 RATING		MAX AMP. T5 RATING	
							Phase	Ea. Conductor	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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