

XHVX: IECEx/ATEX Flameproof High Voltage Junction Boxes

FEATURES

- 16 (1x1) and 10 (2x2) sizes available
- Up to 8kV and 1000A
- Set of 3 porcelain standoffs and hardware (1x1 connection only)
- Set of 3 porcelain bus supports with aluminum lugs (2x2 connection only)
- Pre-drilled for hinges (hinges optional)
- 304 stainless steel sub-panel
- "High Voltage" warning sign
- One-piece, NEMA 4/IP66 water-tight gasket
- Premium, high-strength steel, metric cover bolts
- Internal/external grounding provisions
- Cast-on mounting feet
- Tumblast surface preparation for uniform, natural, aluminum finish
- Cover alignment device (installed on enclosures 18" x 24" and larger)
- Removable lifting-eyes (installed on enclosures 18" x 24" and larger)

DESIGN OPTIONS

- Stainless steel cover bolts for NEMA 4X corrosion protection
- Sub-Panels – Available in galvanized steel (XSM) or aluminum (XSA)
- Aluminum hinge kits (with stainless steel hardware)
- Non-removable hinges
- Customer specified drilling and tapping
- Custom machining – milling, counter-boring, spot-facing, blind-tapped holes, etc
- Multiple coating options for additional corrosion resistance
- Special mounting provisions

MATERIAL

- Enclosures cast from proprietary 359 aluminum alloy – contains less than 3/10 of 1% copper (.003)
- Standard steel metric cover bolts are zinc-plated and coated
- Silicone "O"-rings in 060804 thru 122410
- Nitrile "O"-rings in 123006 and larger
- Hinge blocks are extruded 359 aluminum, pins and hardware are 303 stainless steel



Certifications

Class I, Divisions 1 and 2, Groups B, C, and D

Class II, Divisions 1 and 2, Groups E, F, and G

Class III

NEMA Type 4, 7, and 9

NEMA Type 4X (with stainless steel cover bolt option)

Class I, Zone 1, AEx d IIB

Class I, Zone 1, Ex d IIB

0539 II 2GD

IP66

UL 1203/CSA C22.2 No. 25 & 30

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UL50

IEC 60079-1/IEC 60079-31

ATEX Directive 94/9/EC

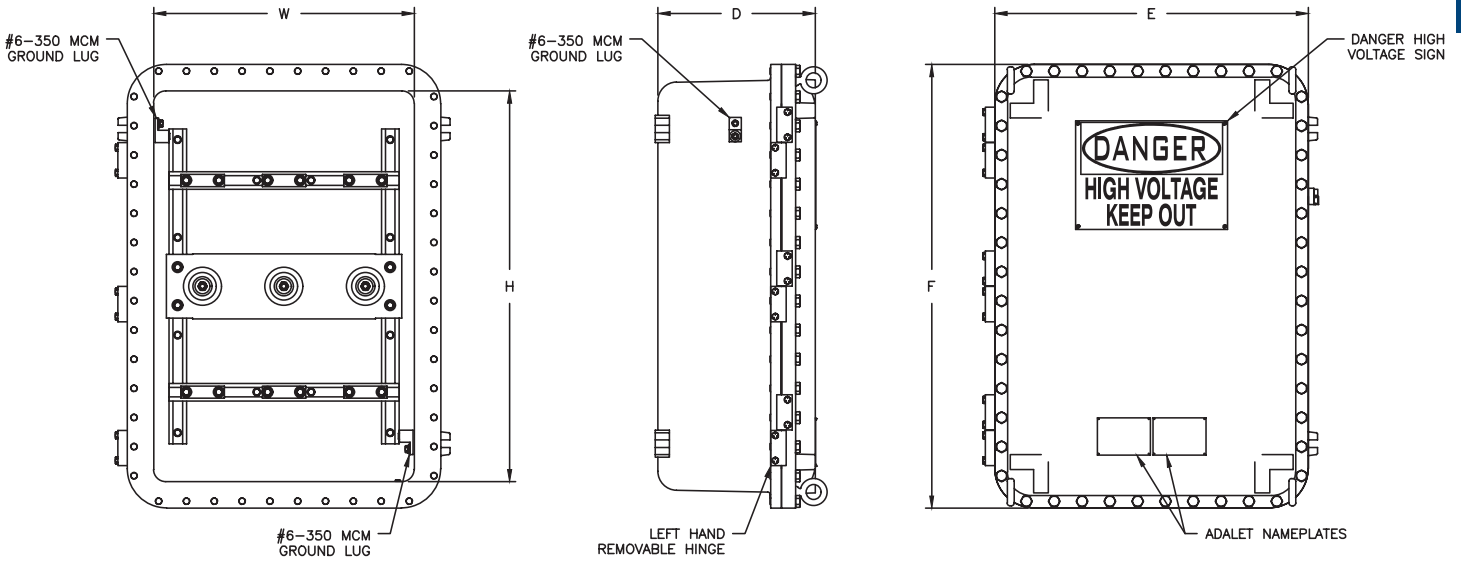
IEC 60529



XHVX SERIES

1 x 1 Connection Series

EXPLOSIONPROOF
XHVX Enclosures



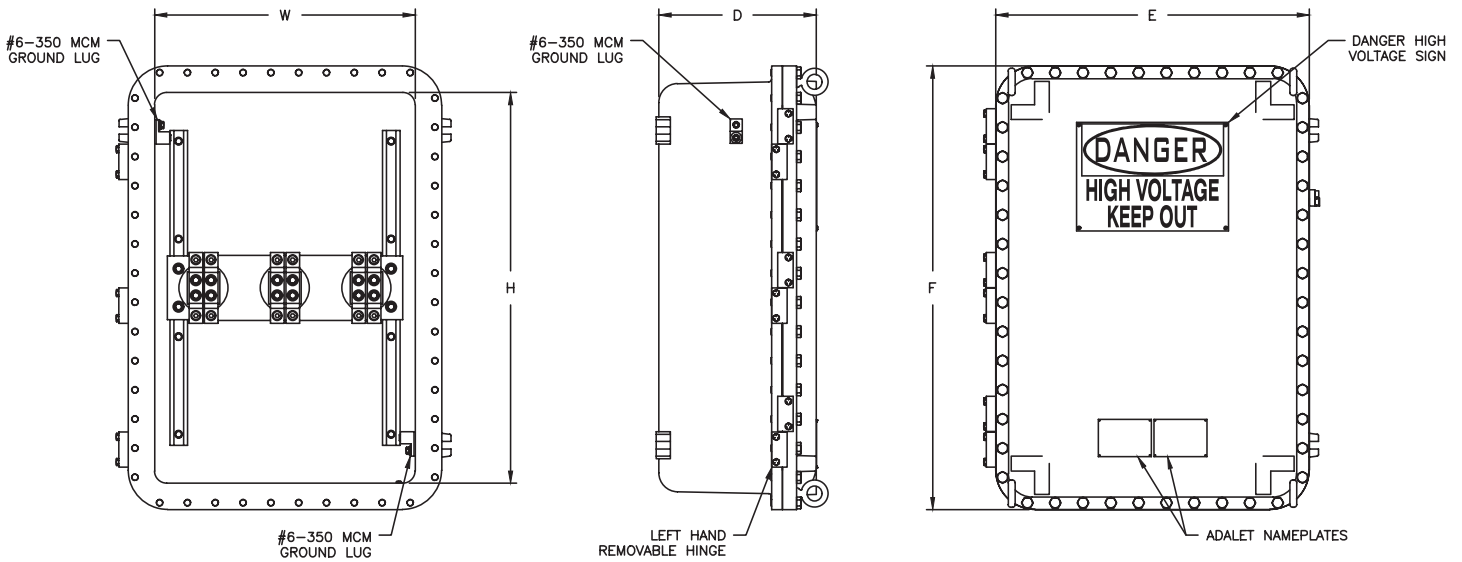
ENCLOSURE	CONDUCTOR SIZE			VOLTAGE		AMPERAGE	
	W	L	D	AWG / MCM	mm ²	MAX	MAX
XHVX-121208	12.00	12.00	8.00	2/10	70	2.5kV	160
XHVX-161608	16.00	16.00	8.00	3/10	95	6.6kV	200
XHVX-162408	16.00	24.00	8.00	350	185	6.6kV	315
XHVX-181808	18.00	18.00	8.00	4/10	120	6.6kV	225
XHVX-182408	18.00	24.00	8.00	350	185	6.6kV	315
XHVX-183008	18.00	30.00	8.00	350	185	6.6kV	315
XHVX-183608	18.00	36.00	8.00	350	185	6.6kV	315
XHVX-242408	24.00	24.00	8.00	350	185	6.6kV	315
XHVX-243008	24.00	30.00	8.00	350	185	6.6kV	315
XHVX-243608	24.00	36.00	8.00	350	185	6.6kV	315
XHVX-162410	16.00	24.00	10.00	350	185	6.6kV	315
XHVX-164610	16.00	46.00	10.00	350	185	6.6kV	315
XHVX-182410	18.00	24.00	10.00	350	185	6.6kV	315
XHVX-183610	18.00	36.00	10.00	350	185	6.6kV	315
XHVX-242410	24.00	24.00	10.00	350	185	8kV	315
XHVX-243610	24.00	36.00	10.00	400	240	8kV	400

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

XHVX SERIES

EXPLOSIONPROOF
XHVX Enclosures

2 x 2 Connection Series



ENCLOSURE	CONDUCTOR SIZE			MCM	mm ²	VOLTAGE PHASE	AMPERAGE CONDUCTOR
	W	L	D				
XHVX-182408	18.00	24.00	8.00	350	185	2.5kV	630
XHVX-183008	18.00	30.00	8.00	400	240	2.5kV	800
XHVX-183608	18.00	36.00	8.00	400	240	2.5kV	800
XHVX-182410	18.00	24.00	10.00	350	185	5kV	630
XHVX-183610	18.00	36.00	10.00	400	240	5kV	800
XHVX-242408	24.00	24.00	8.00	350	185	5kV	800
XHVX-243008	24.00	30.00	8.00	400	240	2.5kV	630
XHVX-243608	24.00	36.00	8.00	400	240	2.5kV	800
XHVX-242410	24.00	24.00	10.00	350	185	7.5kV	630
XHVX-243610	24.00	36.00	10.00	500	300	7.5kV	1000

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