

Flameproof High Voltage Enclosures

STANDARD FEATURES

- 16 (1x1) and 10 (2x2) sizes available
- Corrosion resistant, copper free aluminum
- Hinged cover
- Type 4 watertight Nitrile gasket
- Custom steel mounting panel
- Set of three porcelain standoffs and hardware (1 x1 connection only)
- Set of three porcelain bus support insulators and hardware (2 x 2 connection only)
- High voltage cover sign
- High strength steel cover bolts (zinc plated and coated)
- Internal and external ground lugs
- Removable lifting eye bolts (18 x 24 and larger)
- Lid-lifter cover alignment device (18 x 24 and larger)
- Cast-on mounting lugs / feet
- Tumbleblast, natural aluminum finish

DESIGN OPTIONS

- Stainless steel cover bolts for Type 4X additional corrosion protection
- Conduit (NPT & metric) and device (NPSM) drilling & tapping
- Auxiliary devices such as breather / drains
- Custom machining - milling, counter-boring, spot-facing, drilled entries, chamfers
- Custom cast-on logos
- Powder and epoxy coating for additional corrosion resistance
- Special mounting provisions

MATERIAL

- Enclosure - copper free aluminum (3/10 of 1%)
- Cover bolts - steel, zinc plated and coated
- Hinge kits - copper free aluminum with stainless steel 316L hardware
- Mounting panel, galvanized steel

CERTIFICATIONS

Class I, Division 1, Groups B, C & D
Class II, Division I, Groups EFG

Class III
Type 4

Class I, Zone 1, AEx d IIB
T6 or T5: $-20^{\circ}\leq Ta < 55^{\circ}\text{C}$

IECEX UL 09.0031X

Ex d IIB T6: $-20^{\circ}\text{C}\leq Ta\leq +55^{\circ}\text{C}$

Ex tD A21 IP66 T73 °C

DEMKO 01 ATEX 0128064
Ex d IIB T6 or T5: $-20^{\circ}\leq Ta\leq 55^{\circ}\text{C}$

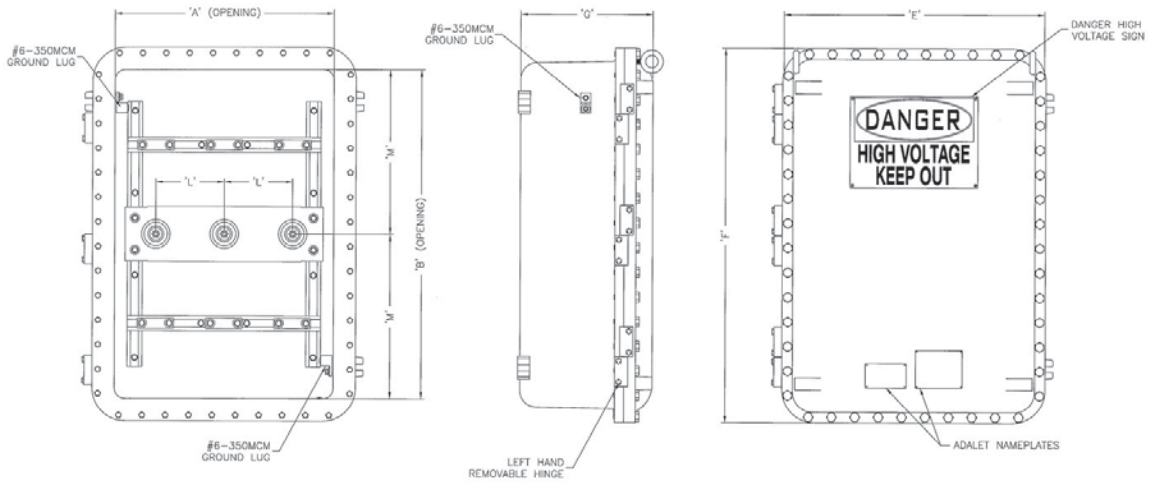
0539 Ⓢ II 2 G Ex d IIB

0539 Ⓢ II 2 D ExtD A21 IP66



XHVX Series

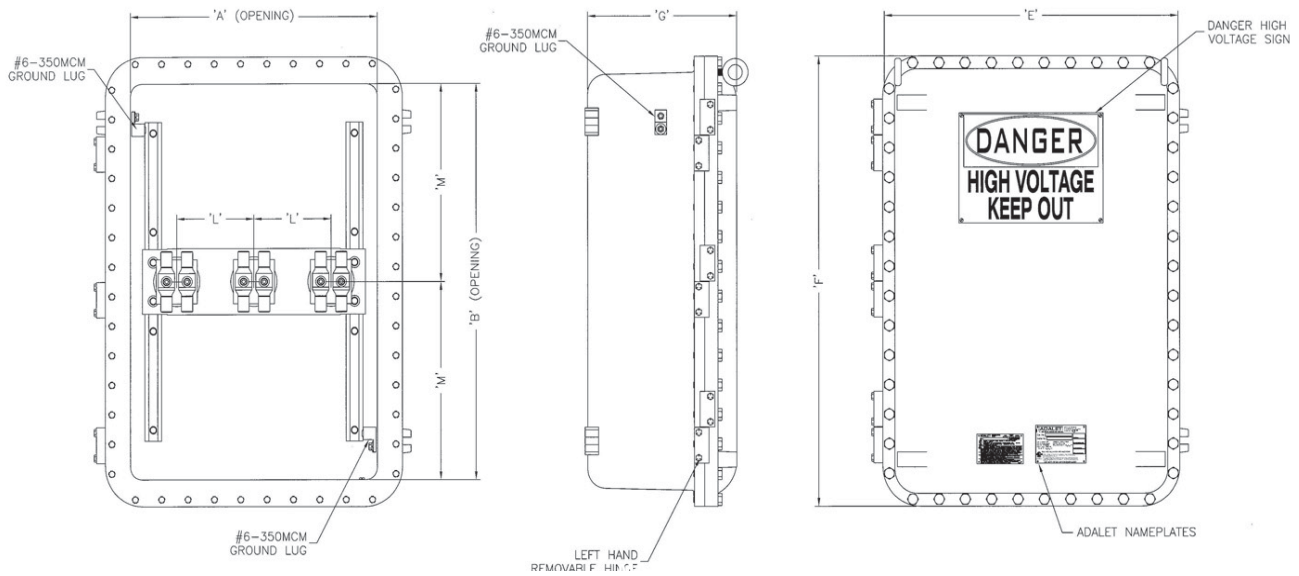
1 x 1 Connection Series



ENCLOSURE	H	W	D	CONDUCTOR SIZE		VOLTAGE	AMPERAGE
				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

2 x 2 Connection Series



ENCLOSURE	H	W	D	MCM	mm ²	AMPERAGE	
						Phase	Conductor
XHVX-182408	18.00	24.00	8.00	350	185	630	315
XHVX-183008	18.00	30.00	8.00	400	240	800	400
XHVX-183608	18.00	36.00	8.00	400	240	800	400
XHVX-182410	18.00	24.00	10.00	350	185	630	315
XHVX-183610	18.00	36.00	10.00	400	240	800	400
XHVX-242408	24.00	24.00	8.00	350	185	630	315
XHVX-243008	24.00	30.00	8.00	400	240	800	400
XHVX-243608	24.00	36.00	8.00	400	240	800	400
XHVX-242410	24.00	24.00	10.00	350	185	630	315
XHVX-243610	24.00	36.00	10.00	500	300	1,000	500

mm ²	MIN CONDUCTOR SIZE		AMPERAGE
	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	

EXPLOSIONPROOF
XCE/XJF Enclosures