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Quick Guide ATEX CERTIFIED PRODUCTS

Increased Safety Terminal Enclosures Ex e II

ATEX Conformity & Component Enclosures Available

Instrument Housings Exd IIC

(except XDHLX is Exd IIB+H2)

XIHMK series

XIHX / XDXH series

XIHMx / XDHMx series

XIHLX / XDHLX series

XCEX Exd IIB or IIB +H₂

Includes Push Buttons, Pilot Lights, Selector Switches, Potentiometers & Close Up Plugs When Installed In Adalet Enclosures.

XCPX Enclosure Series

ATEX Enclosure Certification

XIFCX Control Enclosures

Pilot Lights

XJ X Screw Cover Series Exd IIB+H2

XJLBX Multi-Hub General Purpose Junction Box

Increased Safety Enclosures

INCREASED SAFETY ENCLOSURES

Adalet offers a variety of enclosures which are rated to the increased safety (Exe) method of protection. These enclosures provide an alternative to flameproof enclosures and are intended to house electrical components which will not generate an arc or spark during normal operation. Additional design measures are taken to prevent the possibility of excessive heat, the ingress of water or dust, and the resistance to impact, thus preventing any explosions from occurring. From simple terminal enclosures to high voltage and control enclosures, Adalet's line of increased safety enclosures offers the flexibility to meet your custom requirements.

PRINCIPLE

Intended for product in which arcs and sparks do not occur in normal service or under fault conditions and in which surface temperatures are controlled below incendive values. Increased Safety is achieved by enhancing insulation values and creepage and clearance distances above those required for normal service, thus providing a safety factor against accidental breakdown.

Increased Safety must not be confused with Intrinsically Safe; they are two completely different approaches.

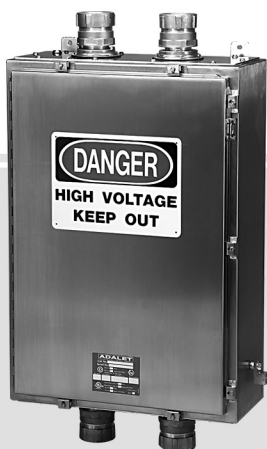
Intrinsic Safety requires that the electrical components within an enclosure have very low levels of electrical energy, either stored or circulating. Typically, allowable currents will be in the tens of milliamperes and voltage will be less than 100 volts, so they will be insufficient to ignite a surrounding explosive atmosphere even under fault conditions.

KEY DESIGN FEATURES

- **Enclosure:** must be constructed to withstand mechanical impact and provide a specified degree of ingress protection (IP rating). A minimum IP54 rating is required for Increased Safety enclosures.
- **Terminals for external connections:** must be generously dimensioned for the intended connection and ensure that conductors are securely fastened.
- **Internal connections:** must not be subject to undue mechanical stress and shall be made using specified methods.
- **Clearances:** between bare conductive parts must not be less than the values specified according to the rated voltage.
- **Creepage distances:** must not be less than the values specified according to the rated voltage and the Comparative Tracking Index (CTI) of the insulating material.
- **Temperatures:** of parts of equipment must be limited so as not to exceed values which would affect the thermal stability of the material and the T-Class relating to the ignition of explosive atmospheres.

Designed to protect in areas where flammable gases, vapors, liquids and dusts can exist.

Increased Safety Enclosures



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Quarter Turn Latch Terminal Enclosures

The VC4X6 & VH4X6 increased safety enclosures are cULus, ATEX, GOST, and IECEx certified to house terminal block assemblies in Exe rated Zone 1 & 2 hazardous locations. The completed enclosure line includes 13 standard VH sizes and 24 VC standard sizes. Adalet also offers the option for custom sizes to meet most specifications.

The enclosures feature a continuous one piece silicone gasket which provides an IP66 ingress rating for dust-tight and water-tight locations. Standard lift-off door hinges are included for easy removal of the cover. The quarter turn door latches are designed with security in mind and include a double bit insert. Mounting feet can be oriented in either horizontal or vertical directions and an internal / external earth stud is included as standard. The enclosures are equipped with a painted steel mounting panel for mounting DIN rail and terminal block assemblies.

STANDARD FEATURES

- 37 standard sizes available
- Stainless steel quarter turn latch with 3mm double bit insert (includes key)
- Continuous one-piece water tight silicone gasket
- Lift off door hinges
- Painted steel mounting panel
- Ground stud on box and cover
- External earth stud
- Wall mounting feet (vertical or horizontal)

DESIGN FEATURES

- Gland plates (6" deep or greater) can be supplied pre-drilled or blank for field drilling
- Drilled entries and cut-outs
- Breather / drain
- Stopping plugs
- Terminal block assemblies
- Stainless steel mounting panels
- Cable glands and conduit fittings
- Internal earth bar
- Custom sizes

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 12 gauge (.1054) stainless steel with a #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



VH4X Series

Mounting feet on left and right of enclosure.

MATERIAL

- Enclosure & cover constructed of 14 ga. (.075) 316L stainless steel with #3/4 brush finish
- Optional gland plate constructed of 12 ga. (.1054) 316L stainless steel with #3/4 brush finish
- Cover gasket: 1/4" thick Bisco silicone with acrylic PSA, Part #HT805A
- Gland plate gasket: 1/8" thick Bisco silicone with acrylic PSA, Part #HT805A

OPTIONS

- Optional pressure sensitive adhesive gasket material, Part #HT8055
- Optional Quarter Turn Inserts:
 - Slot
 - 8MM Hex Socket
 - 7MM Triangle
 - 8MM Triangle
 - 7MM Square
 - 8MM Square
 - 5mm Double Bit
 - Bellcore 216
 - Railway standard

VC4X Series

Mounting feet can be on left and right OR top and bottom of enclosure.

MATERIAL

- Enclosure & cover constructed of 14 ga. (.075) 316L stainless steel with #3/4 brush finish
- Optional gland plate constructed of 12 ga. (.1046) 316L stainless steel with #3/4 brush finish
- Cover gasket : 1/4" thick Bisco silicone with acrylic PSA, Part #HT805A
- Gland plate gasket : 1/8" thick Bisco silicone with acrylic PSA, Part #HT805A

OPTIONS

- Optional pressure sensitive adhesive gasket material, Part #HT8055
- Optional Quarter Turn Inserts:
 - Slot
 - 8MM Hex Socket
 - 7MM Triangle
 - 8MM Triangle
 - 7MM Square
 - 8MM Square
 - 5mm Double Bit
 - Bellcore 216
 - Railway standard

CERTIFICATIONS

POPULATED ENCLOSURE

Class I, Division 2, Groups A, B, C, D
 Class II, Division 2, Groups F, G
 Class I, Zone 1, AEx e II T6 (T5 Tamb +55°C)
 Ex e II T6 (T5 Tamb +55°C)
 NEMA Type 4X, 12, 13
 CE 0539 II 2 GD
 IECEx UL 08.0012X
 IECEx Ex e II T6 (T5 Tamb +55°C)
 IECEx Ex tD A21 IP66 T200°C
 Ex e II T6 (T5 Tamb +55°C)
 Ex tD A21 IP66 T200°C
 DEMKO 09 ATEX 0803119X

EMPTY ENCLOSURE

Class II, Division 2
 Class I, Zone 1, AEx e II
 Ex e II (Canada)
 NEMA Type 4
 DEMKO 01 ATEX 0112700U
 CE 0539 II 2 GD
 Ex e II
 Ex tD A21 IP66
 IECEx UL 10.0021U
 Ex e II
 Ex tD A21 IP66



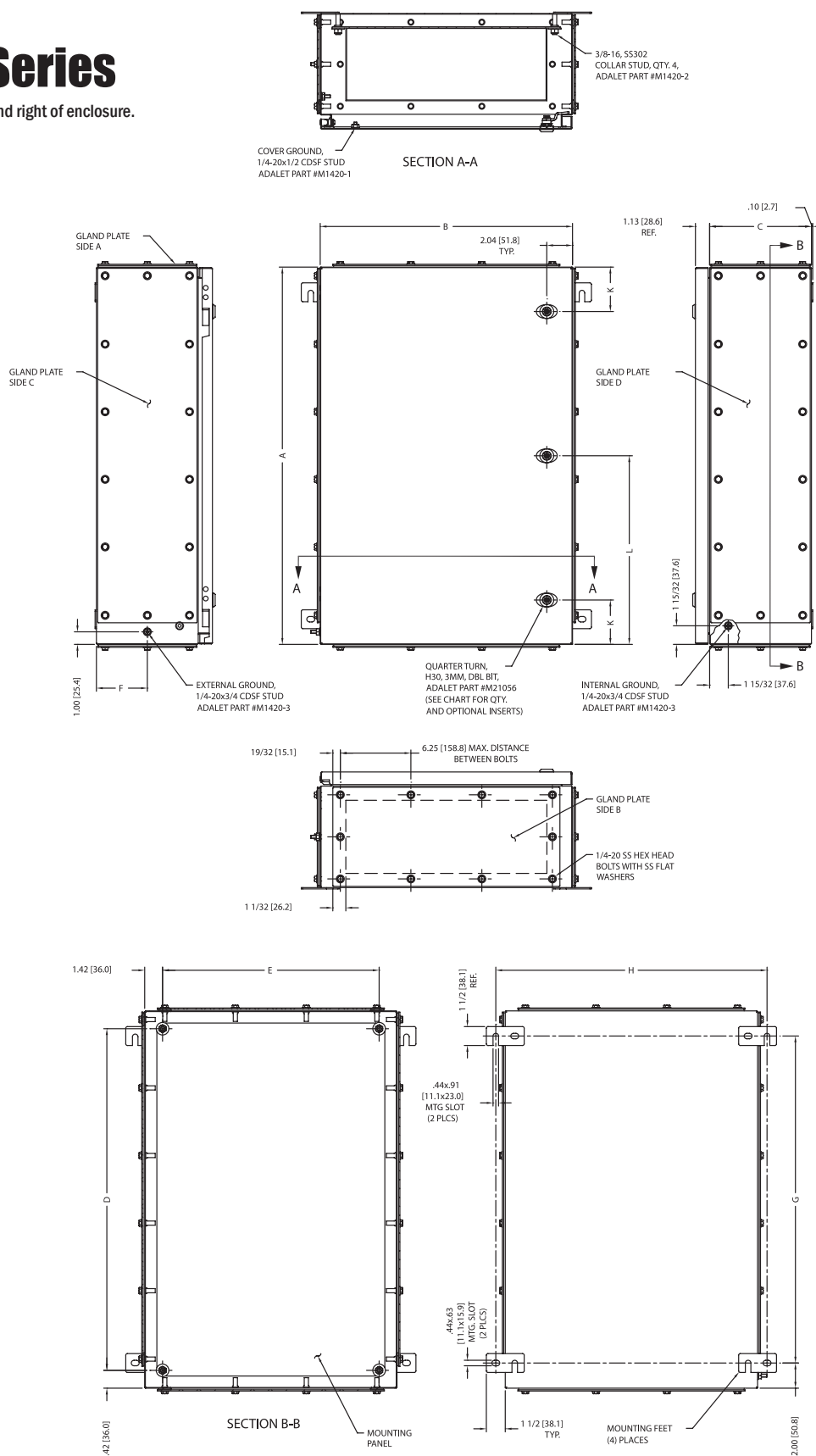
INCREASED SAFETY

TERMINAL ENCLOSURES

INCREASED SAFETY
ENCLOSURES

VH4X6 Series

Mounting feet on left and right of enclosure.



STAINLESS STEEL 316L

INCHES

Catalog Number	Enclosure Dimensions			Collar Stud Spacing		Grd. Stud Locations	Mounting Feet Spacing		# Qtr. Turns	Quarter Turn Locations	
ENCLOSURE	A	B	C	D	E	F	G	H		L	K
VH4X6-101006	10.24	10.24	6.30	7.40	7.40	3.15	6.24	11.74	1	5.12	-
VH4X6-101008	10.24	10.24	8.07	7.40	7.40	4.04	6.24	11.74	1	5.12	-
VH4X6-121206	12.05	12.05	6.30	9.22	9.22	3.15	8.05	13.55	1	6.03	-
VH4X6-121208	12.05	12.05	8.07	9.22	9.22	4.04	8.05	13.55	1	6.03	-
VH4X6-151006	14.96	10.24	6.30	12.13	7.40	3.15	10.96	11.74	1	7.48	-
VH4X6-151008	14.96	10.24	8.07	12.13	7.40	4.04	10.96	11.74	1	7.48	-
VH4X6-181506	18.03	15.04	6.30	15.20	12.21	3.15	14.03	16.54	1	9.02	-
VH4X6-191908	18.90	18.90	8.07	16.07	16.07	4.04	14.90	20.40	1	9.45	-
VH4X6-201406	19.68	13.78	6.30	16.85	10.95	3.15	15.68	15.28	1	9.84	-
VH4X6-201408	19.68	13.78	8.07	16.85	10.95	4.04	15.68	15.28	1	9.84	-
VH4X6-241808	24.41	17.72	8.07	21.58	14.89	4.04	20.41	19.22	2	-	3.53
VH4X6-292208	29.13	21.65	8.07	26.30	18.82	4.04	25.13	23.15	2	-	3.53
VH4X6-302008	30.00	20.00	8.07	27.17	17.17	4.04	26.00	21.50	2-		3.53

NOTES Optional Gland Plate Suffixes:

- A: Gland Plate On Top Side
- B: Gland Plate On Bottom Side
- C: Gland Plate On Left Side
- D: Gland Plate On Right Side

**Omit dashes when multiple gland plates are installed.*

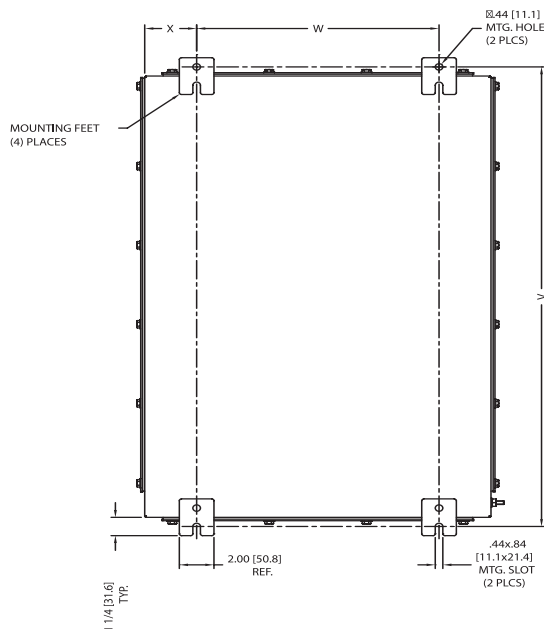
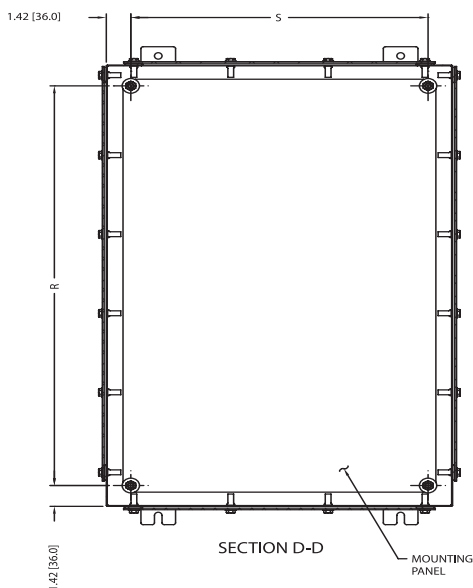
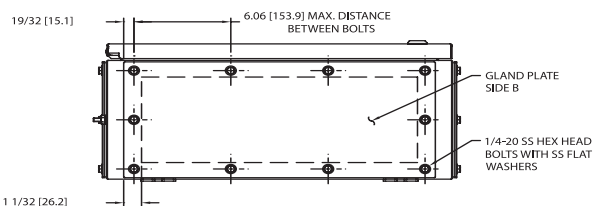
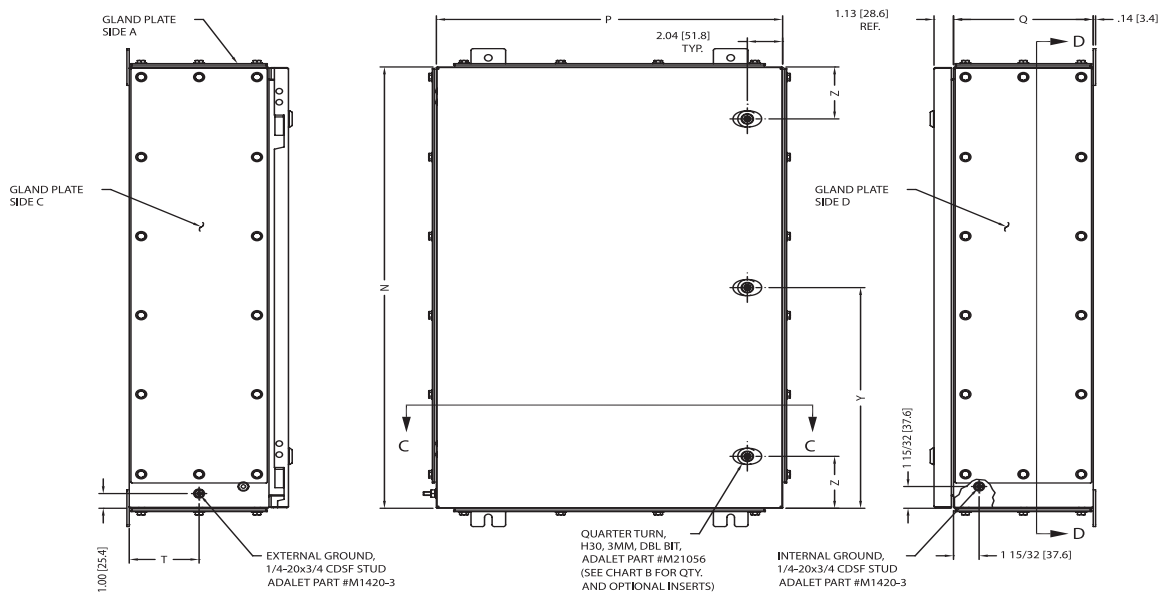
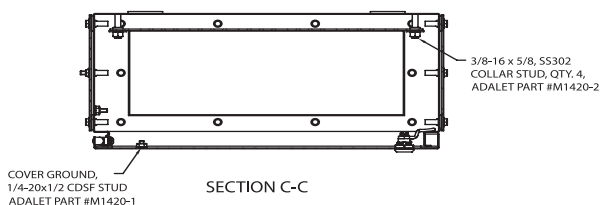
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TERMINAL ENCLOSURES

INCREASED SAFETY
ENCLOSURES

VC4X6 Series Vertical Mount

Mounting feet can be on left and right OR
top and bottom of enclosure.



STAINLESS STEEL 316L

INCHES

Catalog Number	Enclosure Dimensions			Collar Stud Spacing		Grd. Stud Locations	Mounting Feet Spacing			# Qtr. Turns	Quarter Turn Locations	
ENCLOSURE	N	P	Q	R	S	T	V	W	X		Y	Z
VC4X6-090605V	9.00	6.00	5.00	6.17	3.17	2.50	10.24	3.50	1.25	1	4.50	-
VC4X6-120806V	12.00	8.00	6.30	9.17	5.17	3.15	13.24	5.50	1.25	1	6.00	-
VC4X6-121206V	12.05	12.05	6.3	9.22	9.22	3.15	13.24	9.50	1.28	1	6.03	-
VC4X6-161206V	16.00	12.00	8.00	13.17	9.17	3.15	17.24	9.50	1.25	1	8.00	-
VC4X6-161208V	16.00	12.00	8.00	13.17	9.17	4.00	17.24	9.50	1.25	1	8.00	-
VC4X6-161606V	16.00	16.00	6.30	13.17	13.17	3.15	17.24	10.00	3.00	1	8.00	-
VC4X6-161608V	16.00	16.00	8.00	13.17	13.17	4.00	17.24	10.00	3.00	1	8.00	-
VC4X6-162006V	16.00	20.00	6.30	13.17	17.17	3.15	17.24	14.00	3.00	1	8.00	-
VC4X6-162008V	16.00	20.00	8.00	13.17	17.17	4.00	17.24	14.00	3.00	1	10.00	-
VC4X6-201606V	20.00	16.00	6.30	17.17	13.17	3.15	21.24	10.00	3.00	1	10.00	-
VC4X6-201608V	20.00	16.00	8.00	17.17	13.17	4.00	21.24	10.00	3.00	1	10.00	-
VC4X6-202006V	20.00	20.00	6.30	17.17	13.17	3.15	21.24	14.00	3.00	1	10.00	-
VC4X6-202008V	20.00	20.00	8.00	17.17	17.17	4.00	21.24	14.00	3.00	1	10.00	-
VC4X6-202408V	20.00	24.00	8.00	17.17	21.17	4.00	21.24	18.00	3.00	1	10.00	-
VC4X6-241606V	24.00	16.00	6.30	21.17	13.17	3.15	25.24	10.00	3.00	2	-	3.53
VC4X6-241608V	24.00	16.00	8.00	21.17	13.17	4.00	25.24	10.00	3.00	2	-	3.53
VC4X6-242006V	24.00	20.00	6.30	21.17	17.17	3.15	25.24	10.00	3.00	2	-	3.53
VC4X6-242008V	24.00	20.00	6.30	21.17	17.17	4.00	25.24	14.00	3.00	2	-	3.53
VC4X6-242406V	24.00	24.00	6.30	21.17	21.17	3.15	25.24	18.00	3.00	2	-	3.53
VC4X6-242408V	24.00	24.00	8.00	21.17	21.17	4.00	25.24	18.00	3.00	2	-	3.53
VC4X6-243008V	24.00	30.00	8.00	21.17	27.17	4.00	25.24	24.00	3.00	2	-	3.53
VC4X6-302008V	30.00	20.00	8.07	27.17	17.17	4.04	31.24	14.00	3.00	2	-	3.53
VC4X6-302408V	30.00	24.00	8.00	27.17	21.17	4.00	31.24	18.00	3.00	2	-	3.53
VC4X6-303008V	30.00	30.00	8.00	27.17	27.17	4.00	31.24	24.00	3.00	2	-	3.53

NOTES Optional Gland Plate Suffixes:

- A: Gland Plate On Top Side
- B: Gland Plate On Bottom Side
- C: Gland Plate On Left Side
- D: Gland Plate On Right Side

*Omit dashes when multiple gland plates are installed.

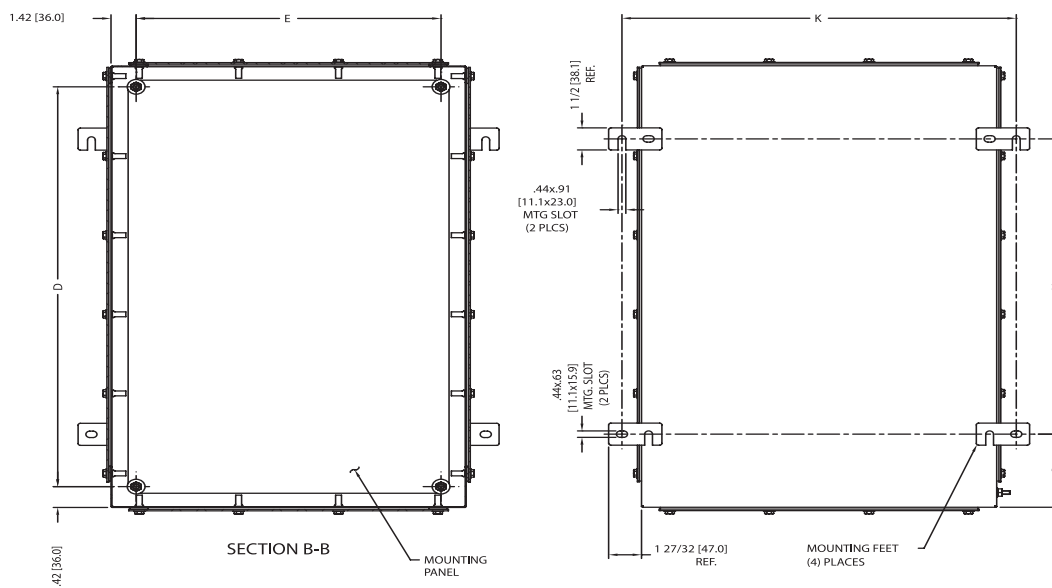
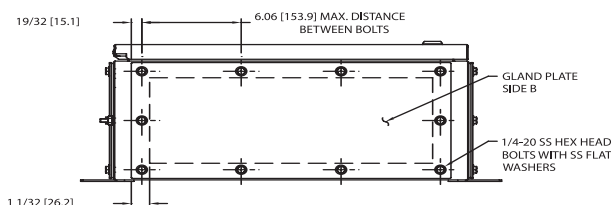
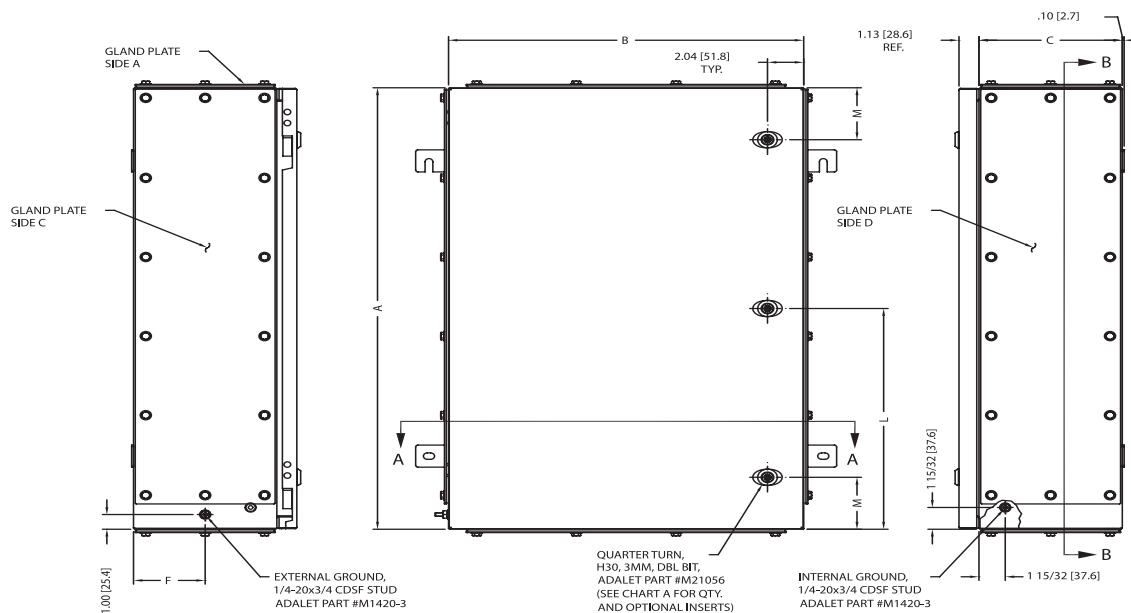
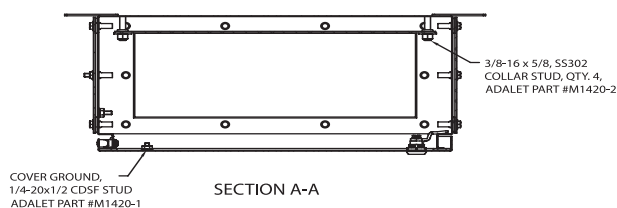
INCREASED SAFETY

TERMINAL ENCLOSURES

INCREASED SAFETY
ENCLOSURES

VC4X6 Series Horizontal Mount

Mounting feet can be on left and right OR
top and bottom of enclosure.



INCREASED SAFETY TERMINAL ENCLOSURES

INCREASED SAFETY
ENCLOSURES

STAINLESS STEEL 316L

INCHES

Catalog Number	Enclosure Dimensions			Collar Stud Spacing		Grd. Stud Locations	Mounting Feet Spacing			# Qtr. Turns	Quarter Turn Locations	
ENCLOSURE	A	B	C	D	E	F	H	K	G		L	M
VC4X6-090605H	9.00	6.00	5.00	6.17	3.17	2.50	1.51	5.98	8.19	1	4.50	-
VC4X6-120806H	12.00	8.00	6.30	9.17	5.17	3.15	2.01	7.99	10.20	1	6.00	-
VC4X6-121206H	12.05	12.05	6.3	9.22	9.22	3.15	2.03	7.99	14.21	1	6.03	-
VC4X6-161206H	16.00	12.00	8.00	13.17	9.17	3.15	2.74	10.51	14.21	1	8.00	-
VC4X6-161208H	16.00	12.00	8.00	13.17	9.17	4.00	2.74	10.51	14.21	1	8.00	-
VC4X6-161606H	16.00	16.00	6.30	13.17	13.17	3.15	2.74	10.51	18.19	1	8.00	-
VC4X6-161608H	16.00	16.00	8.00	13.17	13.17	4.00	2.74	10.51	18.19	1	8.00	-
VC4X6-162006H	16.00	20.00	6.30	13.17	17.17	3.15	2.74	10.51	22.20	1	8.00	-
VC4X6-162008H	16.00	20.00	8.00	13.17	17.17	4.00	2.74	10.51	22.20	1	10.00	-
VC4X6-201606H	20.00	16.00	6.30	17.17	13.17	3.15	3.03	13.94	18.19	1	10.00	-
VC4X6-201608H	20.00	16.00	8.00	17.17	13.17	4.00	3.03	13.94	18.19	1	10.00	-
VC4X6-202006H	20.00	20.00	6.30	17.17	13.17	3.15	3.03	13.94	22.20	1	10.00	-
VC4X6-202008H	20.00	20.00	8.00	17.17	17.17	4.00	3.03	13.94	22.20	1	10.00	-
VC4X6-202408H	20.00	24.00	8.00	17.17	21.17	4.00	3.03	13.94	26.22	1	10.00	-
VC4X6-241606H	24.00	16.00	6.30	21.17	13.17	3.15	3.24	17.52	18.19	2	-	3.53
VC4X6-241608H	24.00	16.00	8.00	21.17	13.17	4.00	3.24	17.52	18.19	2	-	3.53
VC4X6-242006H	24.00	20.00	6.30	21.17	17.17	3.15	3.24	17.52	22.20	2	-	3.53
VC4X6-242008H	24.00	20.00	6.30	21.17	17.17	4.00	3.24	17.52	22.20	2	-	3.53
VC4X6-242406H	24.00	24.00	6.30	21.17	21.17	3.15	3.24	17.52	26.22	2	-	3.53
VC4X6-242408H	24.00	24.00	8.00	21.17	21.17	4.00	3.24	17.52	26.22	2	-	3.53
VC4X6-243008H	24.00	30.00	8.00	21.17	27.17	4.00	3.24	17.52	32.20	2	-	3.53
VC4X6-302008H	30.00	20.00	8.07	27.17	17.17	4.04	5.00	20.00	22.20	2	-	3.53
VC4X6-302408H	30.00	24.00	8.00	27.17	21.17	4.00	5.00	20.00	26.22	2	-	3.53
VC4X6-303008H	30.00	30.00	8.00	27.17	27.17	4.00	5.00	20.00	32.20	2	-	3.53

NOTES Optional Gland Plate Suffixes:

- A: Gland Plate On Top Side
- B: Gland Plate On Bottom Side
- C: Gland Plate On Left Side
- D: Gland Plate On Right Side

*Omit dashes when multiple gland plates are installed.

SEND ORDERS TO ORDERS@ADALET.COM

T: 216.267.9000 | F: 216.267.1681 | info@adalet.com

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TSC Series

Screw Cover Terminal Enclosure

Adalet's Screw Cover Terminal Enclosures are available in stainless Steel 304 & 316L. Silicone gasket, slotted captive cover bolts, box and cover ground studs including an external earthing stud, and universal rail mounting system are included as standard (except 050503, mtg pan used).

STANDARD FEATURES

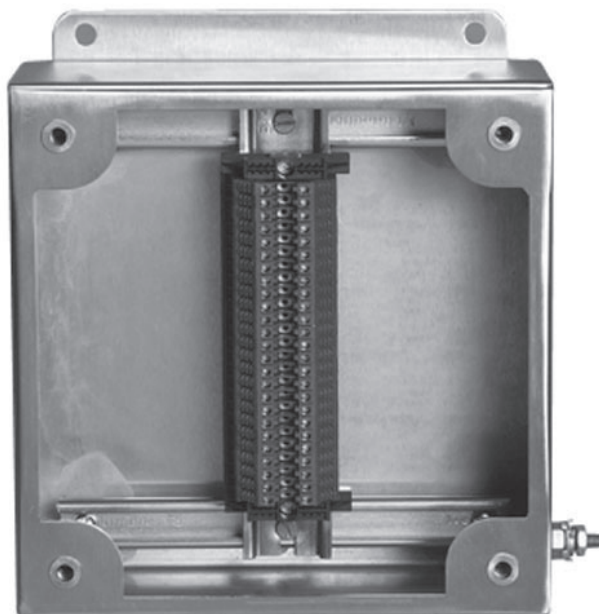
- 18 standard sizes available
- Stainless steel captive hex head, slotted cover screws
- Continuous one-piece water tight silicone gasket
- Internal rail mounting system (except 050503)
- Ground stud on box and cover
- External ground stud
- Wall mounting flange with .31" clearance holes

DESIGN OPTIONS

- Gland plates (6" deep or greater) can be supplied pre-drilled or blank for field drilling
- Drilled entries and cut-outs
- Hinged cover
- Breather / drain, stopping plugs, cable glands and conduit fittings
- Terminal block assemblies
- Stainless steel or painted steel mounting panels
- Internal earth bar
- Custom sizes
- Cable glands

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 a #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

POPULATED ENCLOSURE

Class I, Division 2, Groups A, B, C, D
 Class II, Division 2, Groups F, G
 Class I, Zone 1, AEx e II (T5: Ta < +55 °C) (T4: Ta < +70 °C)
 Ex e II T6 (T5: Ta < +55 °C) (T4: Ta < +70 °C)
 NEMA Type 4X, 12, 13
 CE 0539 Ex II 2 G Ex e II T6 (T5: Ta < +55 °C) (T4: Ta < +70 °C)
 CE 0539 Ex II 2 D Ex tD A21 IP66 T200 °C
 IECEx UL 09.0017X
 Ex e II T6 (T5: Ta < +55 °C) (T4: Ta < +70 °C)
 Ex tD A21 IP66 T200 °C

EMPTY ENCLOSURE

Class II, Division 2
 Class I, Zone 1, AEx e II
 Ex e II
 NEMA Type 4X, 12, 13
 DEMKO 01 ATEX 0113363U
 CE 0539 Ex II 2 GD
 Ex tD A21 IP66



MAXIMUM TERMINAL BLOCK CONTENT

CAT. NUMBER	2.5mm		4mm		6mm		10mm		16mm		35mm	
	# ROWS	QTY.	# ROWS	QTY.	# ROWS	QTY.	# ROWS	QTY.	# ROWS	QTY.	# ROWS	QTY.
TSC4X6-050503	1	6	1	6	1	5	0	0	0	0	0	0
TSC4X6-060604	1	13	1	13	1	8	0	0	0	0	0	0
TSC4X6-070704	1	18	1	18	1	11	1	9	0	0	0	0
TSC4X6-080804	1	23	1	23	1	14	1	11	0	0	0	0
TSC4X6-101006	2	66	2	66	2	42	1	17	1	14	0	0
TSC4X6-101008	2	66	2	66	2	42	1	17	1	14	0	0
TSC4X6-120604	1	43	1	43	1	27	0	0	0	0	0	0
TSC4X6-120605	1	43	1	43	1	27	0	0	0	0	0	0
TSC4X6-120805	1	43	1	43	1	27	1	22	0	0	0	0
TSC4X6-120806	1	43	1	43	1	27	1	22	0	0	0	0
TSC4X6-121206	2	86	2	86	2	54	2	44	1	18	0	0
TSC4X6-121208	2	86	2	86	2	54	2	44	1	18	0	0
TSC4X6-151506	3	177	3	177	3	111	2	58	2	48	1	18
TSC4X6-151508	3	177	3	177	3	111	2	58	2	48	1	18
TSC4X6-161206	2	128	2	128	2	80	2	64	1	266	0	0
TSC4X6-161208	2	128	2	128	2	80	2	64	1	26	0	0
TSC4X6-161606	3	192	3	192	3	120	3	96	2	52	1	20
TSC4X6-161608	3	192	3	192	3	120	3	96	2	52	1	20

NOTES

1. The TSC4 Series is available either in SS316L (TSC4X6) or SS304 (TSC4X).
2. Refer to enclosure catalog page for dimensional information.
3. The maximum terminal block content is based on the following maximum permitted continuous current and minimum conductor size (See chart right).
4. For higher ampacities refer to enclosure catalog page.
5. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
6. For applications requiring multiple terminal block configurations and ampacities, consult factory.
7. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.

MAX CURRENT	MIN CONDUCTOR SIZE
10 AMPS	1.5mm ² (16 AWG)
16 AMPS	2.5 mm ² (14 AWG)
20 AMPS	4 mm ² (12 AWG)
25 AMPS	6 mm ² (10 AWG)
35 AMPS	10 mm ² (8 AWG)
63 AMPS	16 mm ² (6 AWG)

TERMINAL ENCLOSURES

TSC Series 5" x 5" x 3" Enclosure

STAINLESS STEEL 304

ENCLOSURE WITH TERMINALS

CAT. NUMBER	GLAND PLATE
TSC4X-050503	None

STAINLESS STEEL 316L

ENCLOSURE WITH TERMINALS

CAT. NUMBER	GLAND PLATE
TSC4X6-050503	None

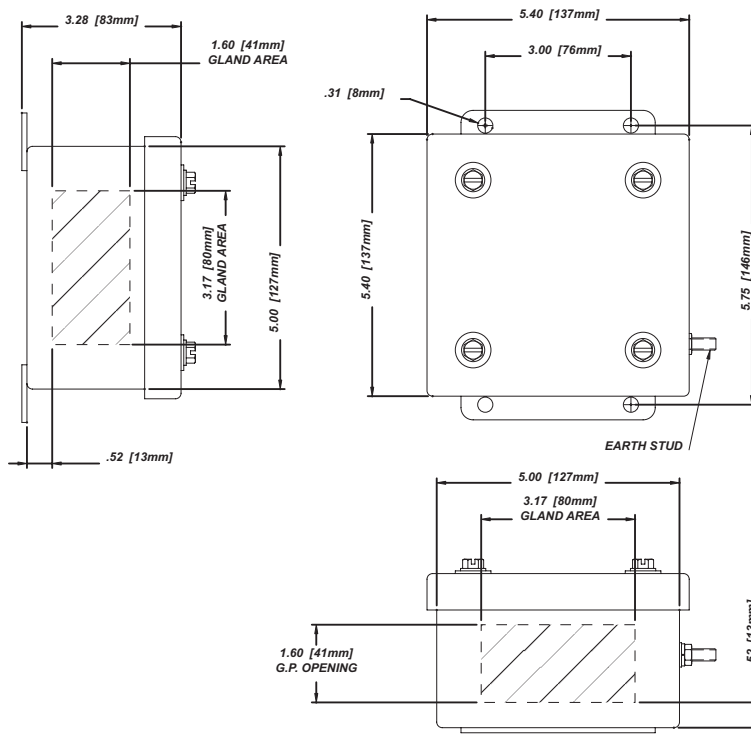
MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES	
NPT	Metric	Sides A & B	Sides C & D
1/2	M16	2	2
3/4	M20	2	2
1	M25	1	1
1 1/4	M32	-	-
1 1/2	M40	-	-
2	M50	-	-
2 1/2	M63	-	-

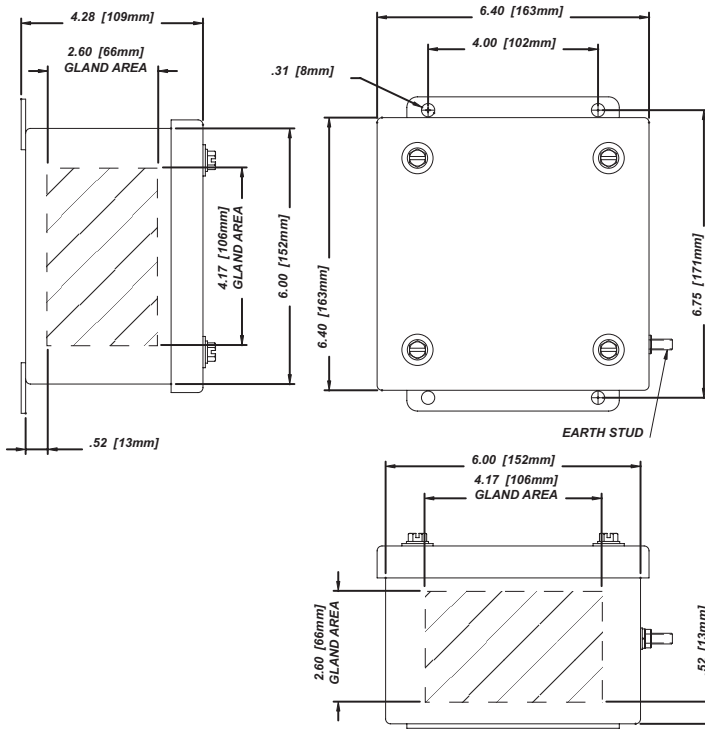
MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²	1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22	16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100
	1.5mm ²	← 6 →			x	x	x	x	x	x	x	x
	2.5mm ²	6					x	x	x	x	x	x
	4mm ²	← 6 →						x	x	x	x	x
	6mm ²	5							x	x	x	x
	10mm ²	x	x	x	x	x	x	x	x	x	x	x
	16mm ²	x	x	x	x	x	x	x	x	x	x	x
	35mm ²	x	x	x	x	x	x	x	x	x	x	x

- NOTES**
1. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 2. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 3. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 4. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.



INCREASED SAFETY TERMINAL ENCLOSURES



TSC Series 6" x 6" x 4" Enclosure

STAINLESS STEEL 304

ENCLOSURE WITH TERMINALS

CAT. NUMBER	GLAND PLATE
TSC4X-060604	None

STAINLESS STEEL 316L

ENCLOSURE WITH TERMINALS

CAT. NUMBER	GLAND PLATE
TSC4X6-060604	None

MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES	
NPT	Metric	Sides A & B	Sides C & D
1/2	M16	6	6
3/4	M20	3	3
1	M25	2	2
1 1/4	M32	2	2
1 1/2	M40	1	1
2	M50	-	-
2 1/2	M63	-	-

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²	1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22	16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100
Terminal Block Size	1.5mm ²	← 13 →			x	x	x	x	x	x	x	x
	2.5mm ²	← 13 →			9	x	x	x	x	x	x	x
	4mm ²	← 13 →			10	x	x	x	x	x	x	x
	6mm ²	← 8 →						x	x	x	x	x
	10mm ²	x	x	x	x	x	x	x	x	x	x	x
	16mm ²	x	x	x	x	x	x	x	x	x	x	x
	35mm ²	x	x	x	x	x	x	x	x	x	x	x

- NOTES**
1. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 2. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 3. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 4. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

TERMINAL ENCLOSURES

INCREASED SAFETY
ENCLOSURES

TSC Series 7" x 7" x 4" Enclosure

STAINLESS STEEL 304

ENCLOSURE WITH TERMINALS	
CAT. NUMBER	GLAND PLATE
TSC4X-070704	None

STAINLESS STEEL 316L

ENCLOSURE WITH TERMINALS	
CAT. NUMBER	GLAND PLATE
TSC4X6-070704	None

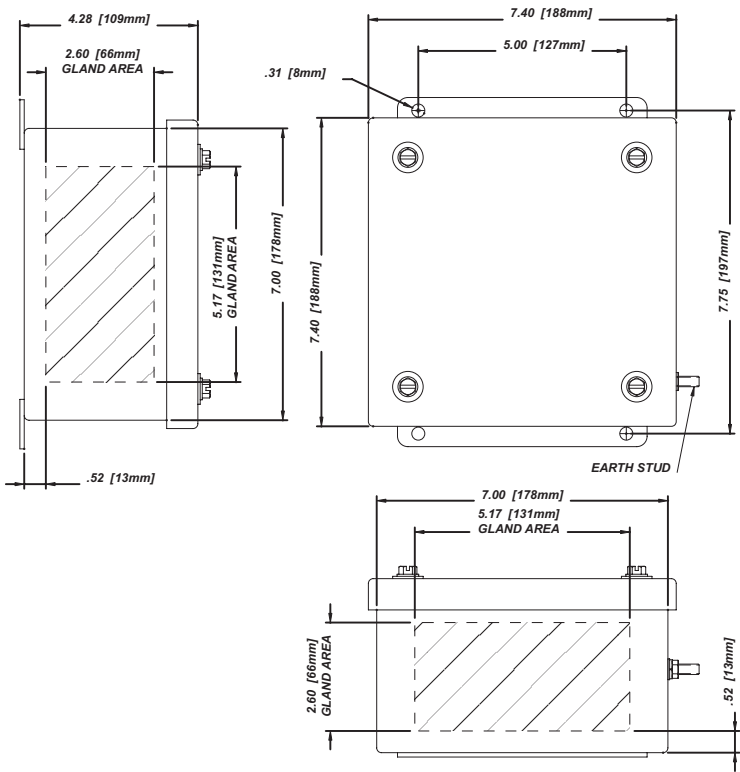
MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES	
NPT	Metric	Sides A & B	Sides C & D
1/2	M16	8	8
3/4	M20	3	3
1	M25	3	3
1 1/4	M32	2	2
1 1/2	M40	2	2
2	M50	-	-
2 1/2	M63	-	-

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²	1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22	16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100
Terminal Block Size	1.5mm ²	← 18 →			x	x	x	x	x	x	x	x
	2.5mm ²	← 18 →			10	x	x	x	x	x	x	x
	4mm ²	← 18 →			11	x	x	x	x	x	x	x
	6mm ²	← 11 →			8	x	x	x	x	x	x	x
	10mm ²	← 9 →			7	x	x	x	x	x	x	x
	16mm ²	x	x	x	x	x	x	x	x	x	x	x
	35mm ²	x	x	x	x	x	x	x	x	x	x	x

- NOTES**
1. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 2. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 3. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 4. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.



INCREASED SAFETY TERMINAL ENCLOSURES

TSC Series 8" x 8" x 4" Enclosure

INCREASED SAFETY
ENCLOSURES

STAINLESS STEEL 304

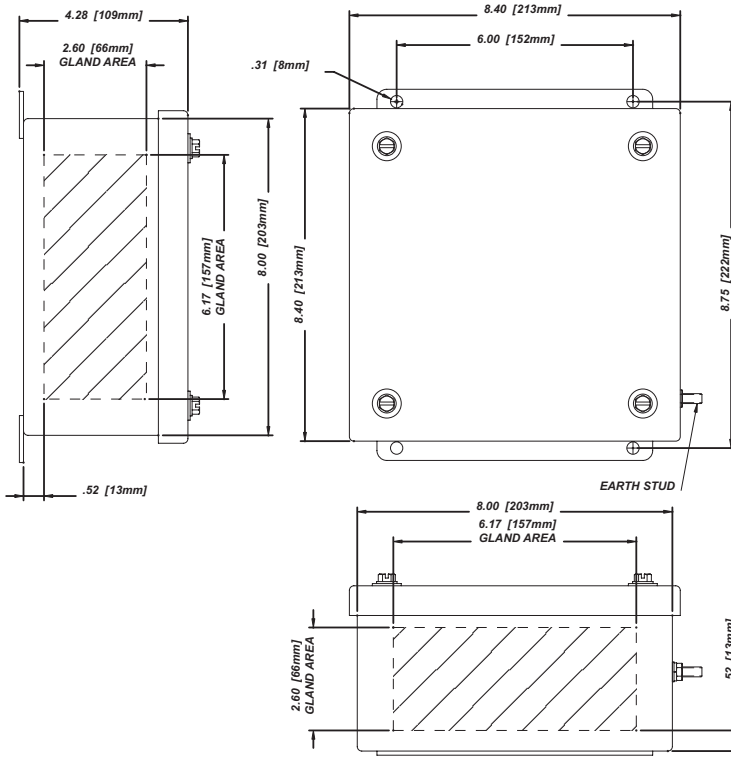
ENCLOSURE WITH TERMINALS

CAT. NUMBER	GLAND PLATE
TSC4X-080804	None

STAINLESS STEEL 316L

ENCLOSURE WITH TERMINALS

CAT. NUMBER	GLAND PLATE
TSC4X6-080804	None



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES	
NPT	Metric	Sides A & B	Sides C & D
1/2	M16	10	10
3/4	M20	4	4
1	M25	3	3
1 1/4	M32	2	2
1 1/2	M40	2	2
2	M50	-	-
2 1/2	M63	-	-

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²			1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22			16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100		
Terminal Block Size	1.5mm ²	← 23 →			x	x	x	x	x	x	x	x	x	
	2.5mm ²	← 23 →			19	11	x	x	x	x	x	x	x	
	4mm ²	← 23 →				21	12	x	x	x	x	x	x	
	6mm ²	← 14 →							9	x	x	x	x	x
	10mm ²	← 11 →								7	x	x	x	x
	16mm ²	x	x	x	x	x	x	x	x	x	x	x	x	x
	35mm ²	x	x	x	x	x	x	x	x	x	x	x	x	x

- NOTES**
1. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 2. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 3. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 4. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

TERMINAL ENCLOSURES

TSC Series 10" x 10" x 6" Enclosure

STAINLESS STEEL 304

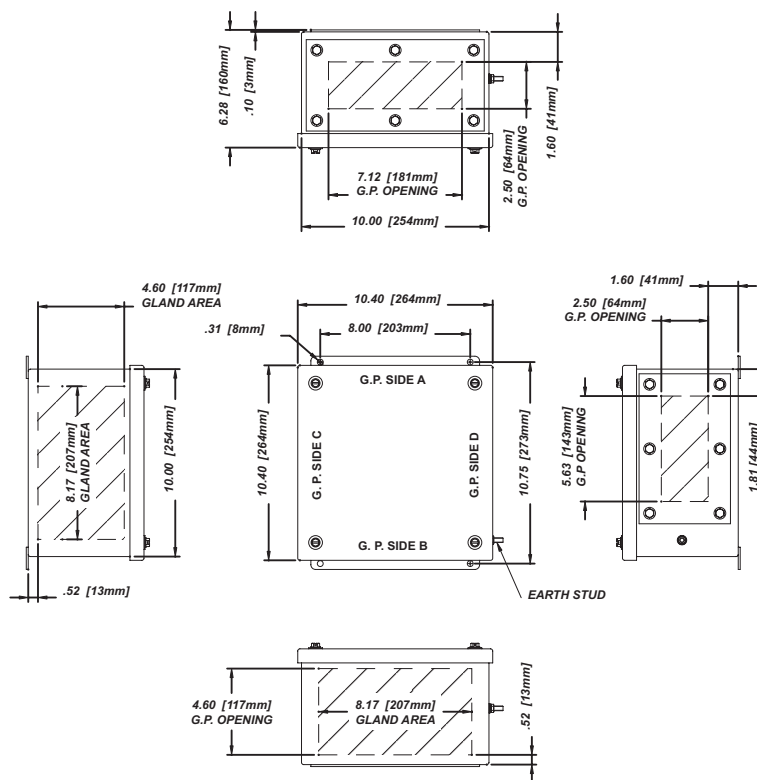
ENCLOSURES WITH TERMINALS

Catalog Number	Gland Plate
TSC4X-101006	None
TSC4X-101006-B	Side B
TSC4X-101006-AB	Sides A & B
TSC4X-101006-BCD	Sides B, C & D
TSC4X-101006-ABCD	Sides A, B, C & D

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS

Catalog Number	Gland Plate
TSC4X6-101006	None
TSC4X6-101006-B	Side B
TSC4X6-101006-AB	Sides A & B
TSC4X6-101006-BCD	Sides B, C & D
TSC4X6-101006-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES		WITH GLAND PLATES	
NPT	Metric	Sides A & B	Sides C & D	Sides A & B	Sides C & D
1/2	M16	18	18	10	8
3/4	M20	15	15	5	4
1	M25	8	8	4	3
1 1/4	M32	6	6	3	2
1 1/2	M40	4	4	2	2
2	M50	2	2	2	1
2 1/2	M63	2	2	-	-

MAXIMUM TERMINAL BLOCK CONTENT

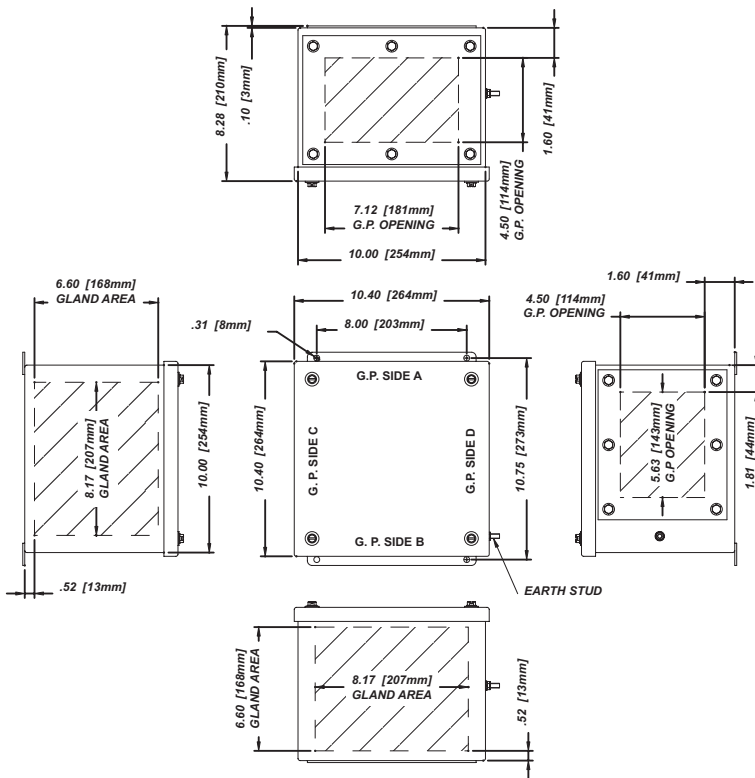
MIN CONDUCTOR SIZE		.5mm ²	1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22	16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100
Terminal Block Size	1.5mm ²	← 66 →		39	x	x	x	x	x	x	x	x
	2.5mm ²	← 66 →			26	15	x	x	x	x	x	x
	4mm ²	← 66 →				29	16	x	x	x	x	x
	6mm ²	← 42 →					32	12	x	x	x	x
	10mm ²	← 17 →						16	10	x	x	x
	16mm ²	← 14 →								12	x	x
	35mm ²	x	x	x	x	x	x	x	x	x	x	x

- NOTES**
1. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 2. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 3. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 4. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

INCREASED SAFETY TERMINAL ENCLOSURES

TSC Series 10" x 10" x 8" Enclosure

INCREASED SAFETY
ENCLOSURES



STAINLESS STEEL 304

ENCLOSURES WITH TERMINALS

Catalog Number	Gland Plate
TSC4X-101008	None
TSC4X-101008-B	Side B
TSC4X-101008-AB	Sides A & B
TSC4X-101008-BCD	Sides B, C & D
TSC4X-101008-ABCD	Sides A, B, C & D

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS

Catalog Number	Gland Plate
TSC4X6-101008	None
TSC4X6-101008-B	Side B
TSC4X6-101008-AB	Sides A & B
TSC4X6-101008-BCD	Sides B, C & D
TSC4X6-101008-ABCD	Sides A, B, C & D

MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES		WITH GLAND PLATES	
NPT	Metric	Sides A & B	Sides C & D	Sides A & B	Sides C & D
1/2	M16	30	30	15	12
3/4	M20	20	20	15	12
1	M25	12	12	8	6
1 1/4	M32	6	6	6	4
1 1/2	M40	6	6	2	2
2	M50	4	4	2	1
2 1/2	M63	2	2	2	1

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100	
Terminal Block Size	1.5mm ²	← 66 →		47	x	x	x	x	x	x	x	x	x
	2.5mm ²	← 66 →			31	18	x	x	x	x	x	x	x
	4mm ²	← 66 →				35	20	x	x	x	x	x	x
	6mm ²	← 42 →					38	15	x	x	x	x	x
	10mm ²	← 17 →							12	x	x	x	x
	16mm ²	← 14 →									x	x	
	35mm ²	x	x	x	x	x	x	x	x	x	x	x	x

- NOTES**
- The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 - For applications requiring multiple terminal block configurations and ampacities, consult factory.
 - For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 - For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

TERMINAL ENCLOSURES

TSC Series 12" x 6" x 4" Enclosure

STAINLESS STEEL 304

ENCLOSURE WITH TERMINALS

CAT. NUMBER	GLAND PLATE
TSC4X-120604	None

STAINLESS STEEL 316L

ENCLOSURE WITH TERMINALS

CAT. NUMBER	GLAND PLATE
TSC4X6-120604	None

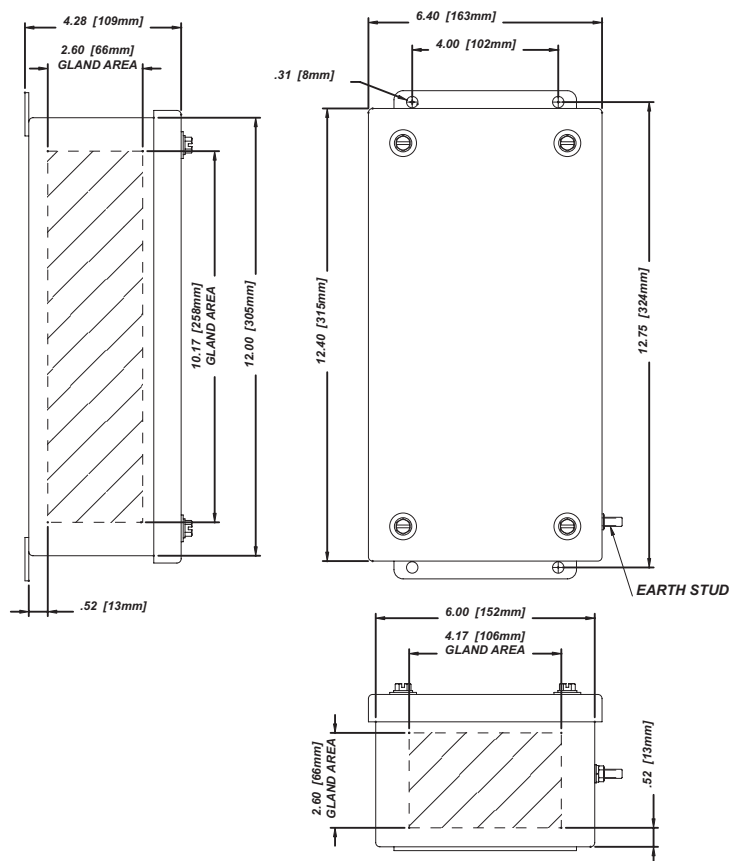
MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES	
NPT	Metric	Sides A & B	Sides C & D
1/2	M16	6	16
3/4	M20	3	7
1	M25	2	5
1 1/4	M32	2	4
1 1/2	M40	1	4
2	M50	-	-
2 1/2	M63	-	-

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²	1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22	16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100
Terminal Block Size	1.5mm ²	← 43 →		27	x	x	x	x	x	x	x	x
	2.5mm ²	← 43 →		18	10	x	x	x	x	x	x	x
	4mm ²	← 43 →		20	11	x	x	x	x	x	x	x
	6mm ²	← 27 →		22	8	x	x	x	x	x	x	x
	10mm ²	x	x	x	x	x	x	x	x	x	x	x
	16mm ²	x	x	x	x	x	x	x	x	x	x	x
	35mm ²	x	x	x	x	x	x	x	x	x	x	x

- NOTES**
1. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 2. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 3. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 4. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.





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TERMINAL ENCLOSURES

TSC Series 12" x 8" x 5" Enclosure

STAINLESS STEEL 304

ENCLOSURE WITH TERMINALS

CAT. NUMBER	GLAND PLATE
TSC4X-120805	None

STAINLESS STEEL 316L

ENCLOSURE WITH TERMINALS

CAT. NUMBER	GLAND PLATE
TSC4X6-120805	None

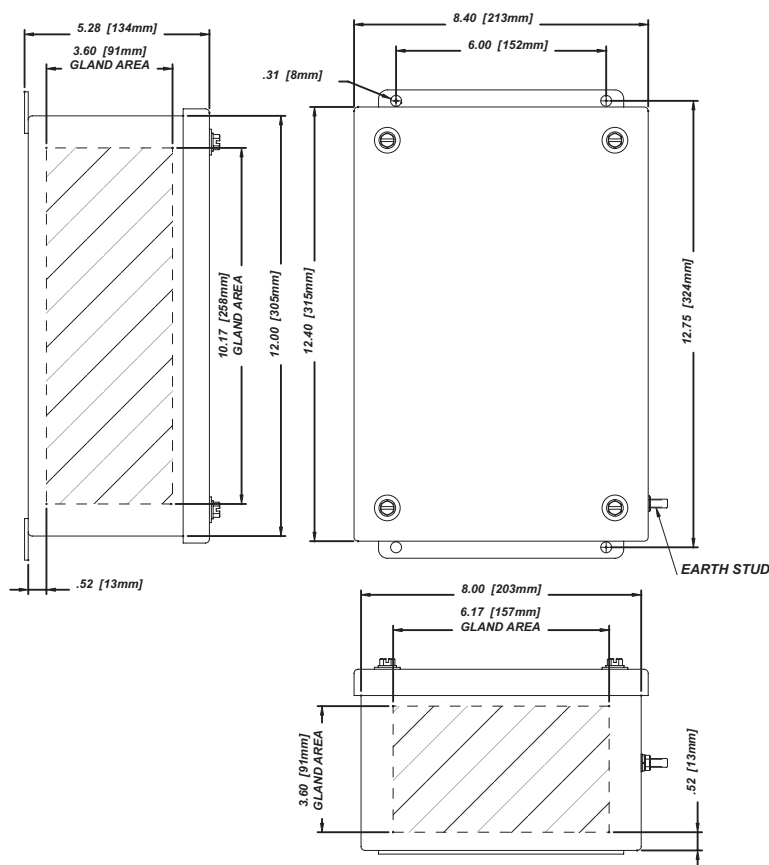
MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES	
NPT	Metric	Sides A & B	Sides C & D
1/2	M16	10	16
3/4	M20	8	14
1	M25	6	10
1 1/4	M32	2	4
1 1/2	M40	2	4
2	M50	2	3
2 1/2	M63	1	2

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100	
Terminal Block Size	1.5mm ²	← 43 →		30	x	x	x	x	x	x	x	x	x
	2.5mm ²	← 43 →			20	12	x	x	x	x	x	x	x
	4mm ²	← 43 →				23	13	x	x	x	x	x	x
	6mm ²			← 27 →			25	9	x	x	x	x	x
	10mm ²					← 22 →				8	x	x	x
	16mm ²	x	x	x	x	x	x	x	x	x	x	x	x
	35mm ²	x	x	x	x	x	x	x	x	x	x	x	x

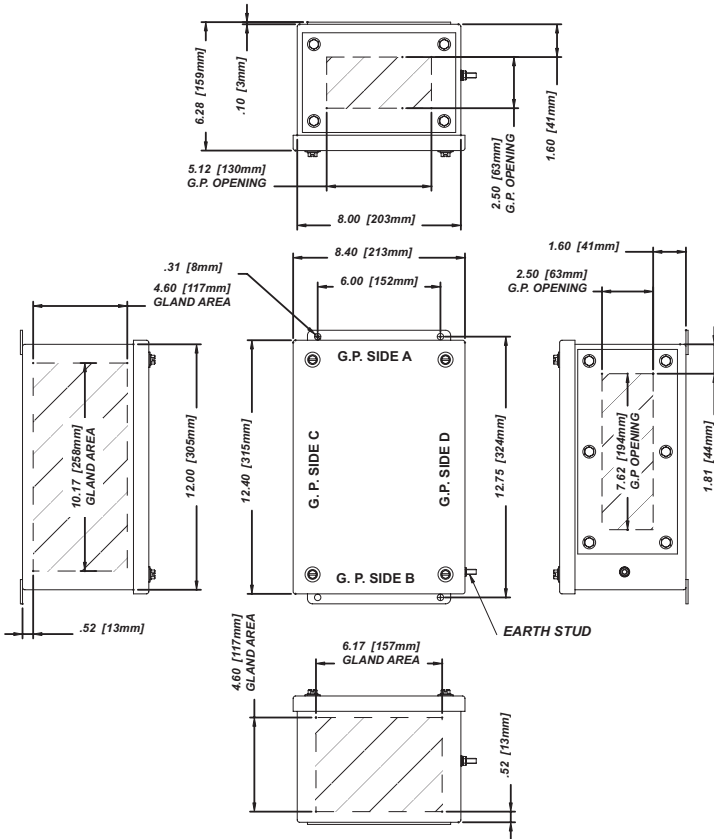
- NOTES**
1. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 2. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 3. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 4. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.



INCREASED SAFETY TERMINAL ENCLOSURES

TSC Series 12" x 8" x 6" Enclosure

INCREASED SAFETY
ENCLOSURES



STAINLESS STEEL 304

ENCLOSURES WITH TERMINALS

Catalog Number	Gland Plate
TSC4X-120806	None
TSC4X-120806-B	Side B
TSC4X-120806-AB	Sides A & B
TSC4X-120806-BCD	Sides B, C & D
TSC4X-120806-ABCD	Sides A, B, C & D

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS

Catalog Number	Gland Plate
TSC4X6-120806	None
TSC4X6-120806-B	Side B
TSC4X6-120806-AB	Sides A & B
TSC4X6-120806-BCD	Sides B, C & D
TSC4X6-120806-ABCD	Sides A, B, C & D

MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES		WITH GLAND PLATES	
NPT	Metric	Sides A & B	Sides C & D	Sides A & B	Sides C & D
1/2	M16	15	24	8	12
3/4	M20	12	21	3	5
1	M25	6	10	3	4
1 1/4	M32	4	8	2	3
1 1/2	M40	2	4	2	3
2	M50	2	3	1	2
2 1/2	M63	1	2	-	-

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100	
Terminal Block Size	1.5mm ²	← 43 →		34	x	x	x	x	x	x	x	x	x
	2.5mm ²	← 43 →			22	13	x	x	x	x	x	x	x
	4mm ²	← 43 →				25	14	x	x	x	x	x	x
	6mm ²	← 27 →							11	x	x	x	x
	10mm ²	← 22 →								8	x	x	x
	16mm ²	x	x	x	x	x	x	x	x	x	x	x	x
	35mm ²	x	x	x	x	x	x	x	x	x	x	x	x

- NOTES**
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 - For applications requiring multiple terminal block configurations and ampacities, consult factory.
 - For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 - For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

TERMINAL ENCLOSURES

TSC Series

12" x 12" x 6" Enclosure

STAINLESS STEEL 304

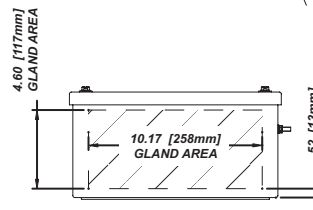
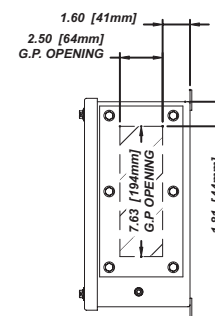
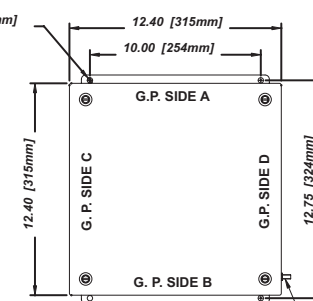
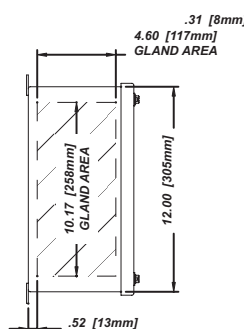
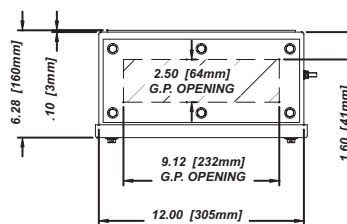
ENCLOSURES WITH TERMINALS

Catalog Number	Gland Plate
TSC4X-121206	None
TSC4X-121206-B	Side B
TSC4X-121206-AB	Sides A & B
TSC4X-121206-BCD	Sides B, C & D
TSC4X-121206-ABCD	Sides A, B, C & D

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS

Catalog Number	Gland Plate
TSC4X6-121206	None
TSC4X6-121206-B	Side B
TSC4X6-121206-AB	Sides A & B
TSC4X6-121206-BCD	Sides B, C & D
TSC4X6-121206-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES		WITH GLAND PLATES	
NPT	Metric	Sides A & B	Sides C & D	Sides A & B	Sides C & D
1/2	M16	24	24	14	12
3/4	M20	21	21	6	5
1	M25	10	10	5	4
1 1/4	M32	8	8	4	3
1 1/2	M40	4	4	3	3
2	M50	3	3	3	2
2 1/2	M63	2	2	-	-

MAXIMUM TERMINAL BLOCK CONTENT

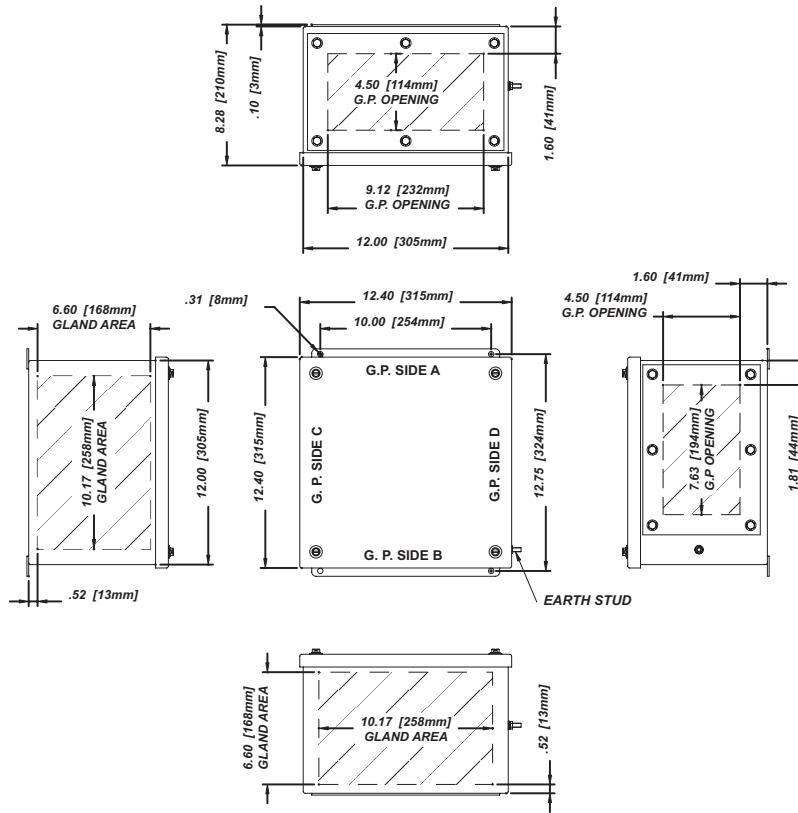
MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²		
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2		
MAXIMUM AMPERAGE		3		8	10	16	20	25	35	50	63	80	100	
Terminal Block Size	1.5mm ²	← 86 →			43	x	x	x	x	x	x	x	x	
	2.5mm ²	← 86 →				28	16	x	x	x	x	x	x	
	4mm ²	← 86 →					32	18	x	x	x	x	x	
	6mm ²	← 54 →						35	13	x	x	x	x	
	10mm ²	← 44 →							34	11	x	x	x	
	16mm ²	← 18 →										13	x	x
	35mm ²	x	x	x	x	x	x	x	x	x	x	x	x	

- NOTES**
1. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 2. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 3. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 4. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

INCREASED SAFETY TERMINAL ENCLOSURES

TSC Series 12" x 12" x 8" Enclosure

INCREASED SAFETY
ENCLOSURES



STAINLESS STEEL 304

ENCLOSURES WITH TERMINALS

Catalog Number	Gland Plate
TSC4X-121208	None
TSC4X-121208-B	Side B
TSC4X-121208-AB	Sides A & B
TSC4X-121208-BCD	Sides B, C & D
TSC4X-121208-ABCD	Sides A, B, C & D

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS

Catalog Number	Gland Plate
TSC4X6-121208	None
TSC4X6-121208-B	Side B
TSC4X6-121208-AB	Sides A & B
TSC4X6-121208-BCD	Sides B, C & D
TSC4X6-121208-ABCD	Sides A, B, C & D

MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES		WITH GLAND PLATES	
NPT	Metric	Sides A & B	Sides C & D	Sides A & B	Sides C & D
1/2	M16	40	40	21	18
3/4	M20	28	28	18	15
1	M25	15	15	10	8
1 1/4	M32	8	8	8	6
1 1/2	M40	8	8	3	3
2	M50	6	6	3	2
2 1/2	M63	2	2	2	2

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²		
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2		
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100		
Terminal Block Size	1.5mm ²	← 86 →		50	x	x	x	x	x	x	x	x	x	
	2.5mm ²	← 86 →			33	19	x	x	x	x	x	x	x	
	4mm ²	← 86 →				38	21	x	x	x	x	x	x	
	6mm ²	← 54 →					41	16	x	x	x	x	x	
	10mm ²	← 44 →						40	13	x	x	x	x	
	16mm ²	← 18 →									15	x	x	x
	35mm ²	x	x	x	x	x	x	x	x	x	x	x	x	x

- NOTES**
1. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 2. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 3. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
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TERMINAL ENCLOSURES

TSC Series 15" x 15" x 6" Enclosure

STAINLESS STEEL 304

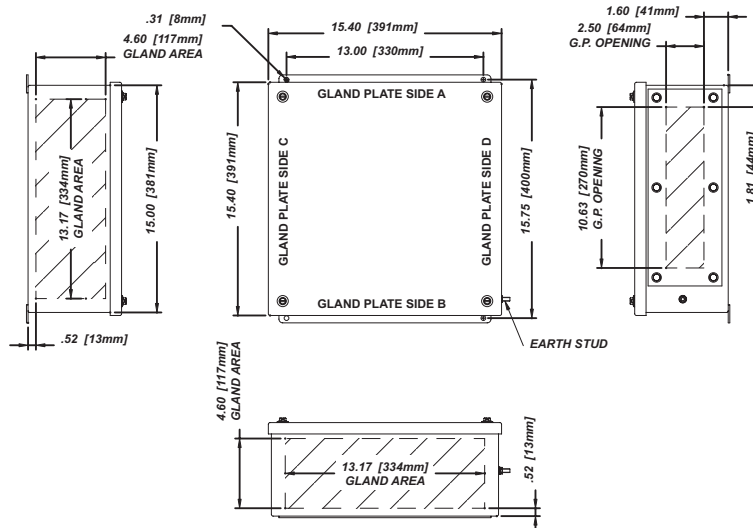
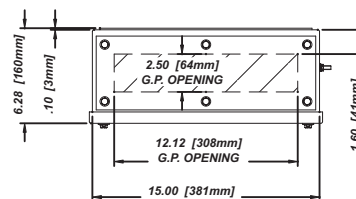
ENCLOSURES WITH TERMINALS

Catalog Number	Gland Plate
TSC4X-151506	None
TSC4X-151506-B	Side B
TSC4X-151506-AB	Sides A & B
TSC4X-151506-BCD	Sides B, C & D
TSC4X-151506-ABCD	Sides A, B, C & D

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS

Catalog Number	Gland Plate
TSC4X6-151506	None
TSC4X6-151506-B	Side B
TSC4X6-151506-AB	Sides A & B
TSC4X6-151506-BCD	Sides B, C & D
TSC4X6-151506-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES		WITH GLAND PLATES	
NPT	Metric	Sides A & B	Sides C & D	Sides A & B	Sides C & D
1/2	M16	30	30	18	16
3/4	M20	27	27	8	7
1	M25	14	14	6	5
1 1/4	M32	10	10	5	4
1 1/2	M40	5	5	4	4
2	M50	4	4	3	3
2 1/2	M63	3	3	-	-

MAXIMUM TERMINAL BLOCK CONTENT

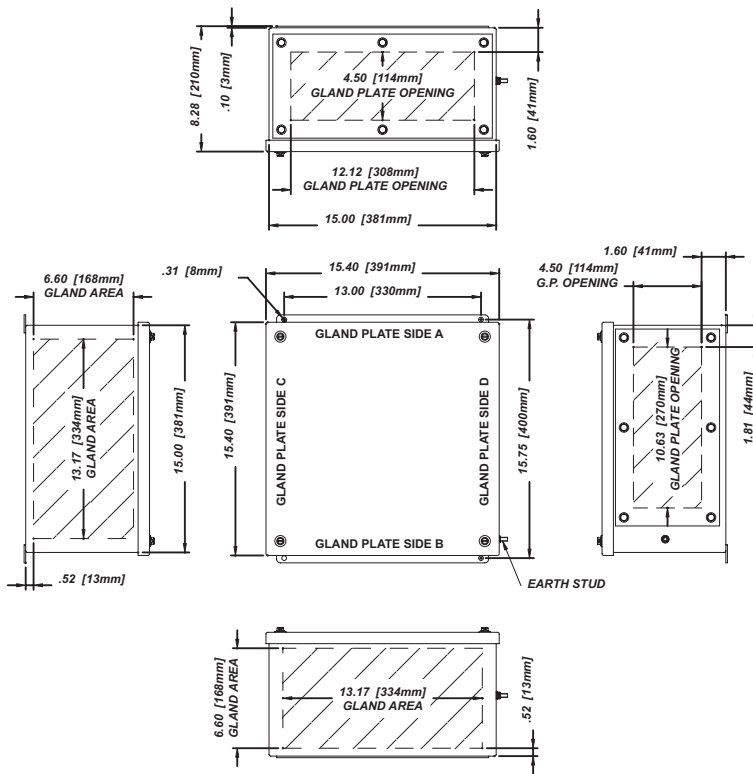
MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²		6mm ²		10mm ²		16mm ²		35mm ²							
MIN CONDUCTOR SIZE AWG		22		16		14		12		10		8		6		2							
MAXIMUM AMPERAGE		3		8		10		16		20		25		35		50		63		80		100	
Terminal Block Size	1.5mm ²	←100→		48		x		x		x		x		x		x		x		x		x	
	2.5mm ²	←177→				32		19		x		x		x		x		x		x		x	
	4mm ²	←177→				126		36		20		x		x		x		x		x		x	
	6mm ²	←111→						40		15		x		x		x		x		x		x	
	10mm ²	←58→								38		12		x		x		x		x		x	
	16mm ²	←48→										32		15		x		x		x		x	
	35mm ²							←18→														15	

- NOTES**
1. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 2. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 3. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 4. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

INCREASED SAFETY TERMINAL ENCLOSURES

TSC Series 15" x 15" x 8" Enclosure

INCREASED SAFETY
ENCLOSURES



STAINLESS STEEL 304

ENCLOSURES WITH TERMINALS

Catalog Number	Gland Plate
TSC4X-151508	None
TSC4X-151508-B	Side B
TSC4X-151508-AB	Sides A & B
TSC4X-151508-BCD	Sides B, C & D
TSC4X-151508-ABCD	Sides A, B, C & D

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS

Catalog Number	Gland Plate
TSC4X6-151508	None
TSC4X6-151508-B	Side B
TSC4X6-151508-AB	Sides A & B
TSC4X6-151508-BCD	Sides B, C & D
TSC4X6-151508-ABCD	Sides A, B, C & D

MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES		WITH GLAND PLATES	
NPT	Metric	Sides A & B	Sides C & D	Sides A & B	Sides C & D
1/2	M16	50	50	27	24
3/4	M20	36	36	24	21
1	M25	21	21	12	10
1 1/4	M32	10	10	10	8
1 1/2	M40	10	10	4	4
2	M50	8	8	3	3
2 1/2	M63	3	3	3	3

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100	
Terminal Block Size	1.5mm ²	← 115 →		56	x	x	x	x	x	x	x	x	
	2.5mm ²	← 177 →			37	21	x	x	x	x	x	x	
	4mm ²	← 177 →			144	42	23	x	x	x	x	x	
	6mm ²	← 111 →						45	18	x	x	x	x
	10mm ²	← 58 →							44	14	x	x	x
	16mm ²	← 48 →								37	17	x	x
	35mm ²	← 18 →											

- NOTES**
1. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 2. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 3. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
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TERMINAL ENCLOSURES

TSC Series 16" x 12" x 6" Enclosure

STAINLESS STEEL 304

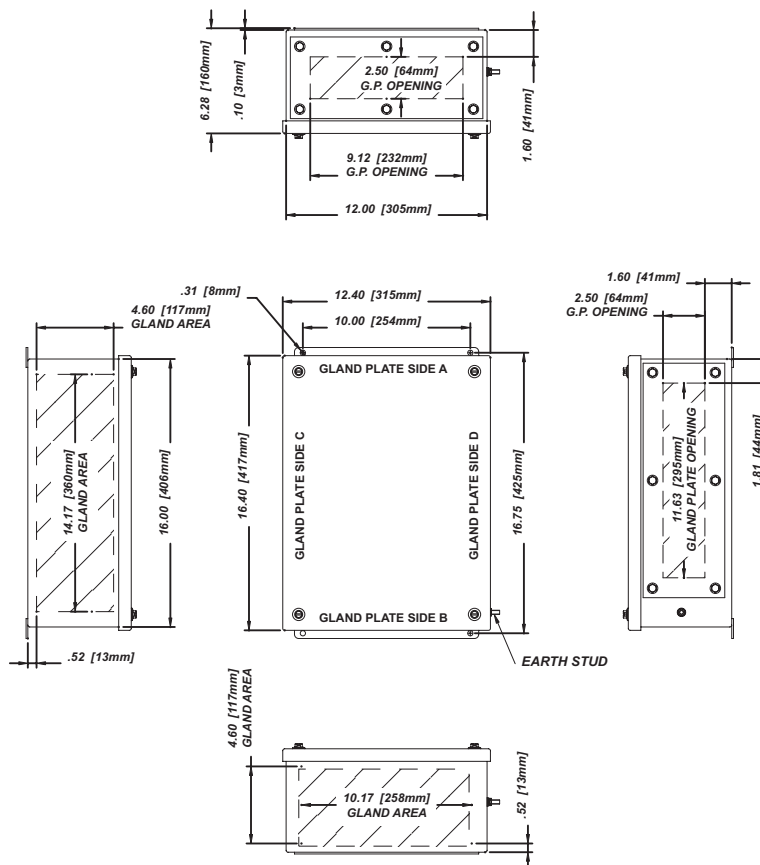
ENCLOSURES WITH TERMINALS

Catalog Number	Gland Plate
TSC4X-161206	None
TSC4X-161206-B	Side B
TSC4X-161206-AB	Sides A & B
TSC4X-161206-BCD	Sides B, C & D
TSC4X-161206-ABCD	Sides A, B, C & D

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS

Catalog Number	Gland Plate
TSC4X6-161206	None
TSC4X6-161206-B	Side B
TSC4X6-161206-AB	Sides A & B
TSC4X6-161206-BCD	Sides B, C & D
TSC4X6-161206-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES		WITH GLAND PLATES	
NPT	Metric	Sides A & B	Sides C & D	Sides A & B	Sides C & D
1/2	M16	24	33	14	18
3/4	M20	21	27	6	8
1	M25	10	14	5	6
1 1/4	M32	8	12	4	5
1 1/2	M40	4	5	3	4
2	M50	3	4	3	3
2 1/2	M63	2	3	-	-

MAXIMUM TERMINAL BLOCK CONTENT

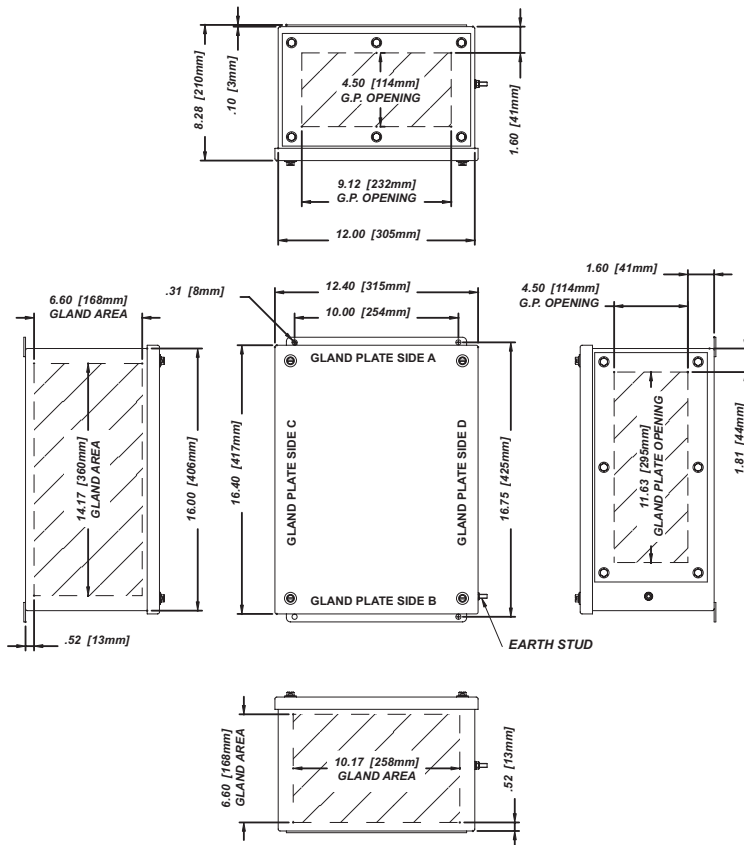
MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²		
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2		
MAXIMUM AMPERAGE		3		8	10	16	20	25	35	50	63	80	100	
Terminal Block Size	1.5mm ²	← 94 →		46	x	x	x	x	x	x	x	x	x	
	2.5mm ²	← 128 →			30	17	x	x	x	x	x	x	x	
	4mm ²	← 128 →			118	34	19	x	x	x	x	x	x	
	6mm ²	← 80 →					37	14	x	x	x	x		
	10mm ²	← 64 →							36	12	x	x	x	
	16mm ²	← 26 →										14	x	x
	35mm ²	x	x	x	x	x	x	x	x	x	x	x	x	

- NOTES**
1. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 2. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 3. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
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INCREASED SAFETY TERMINAL ENCLOSURES

TSC Series 16" x 12" x 8" Enclosure

INCREASED SAFETY
ENCLOSURES



STAINLESS STEEL 304

ENCLOSURES WITH TERMINALS

Catalog Number	Gland Plate
TSC4X-161208	None
TSC4X-161208-B	Side B
TSC4X-161208-AB	Sides A & B
TSC4X-161208-BCD	Sides B, C & D
TSC4X-161208-ABCD	Sides A, B, C & D

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS

Catalog Number	Gland Plate
TSC4X6-161208	None
TSC4X6-161208-B	Side B
TSC4X6-161208-AB	Sides A & B
TSC4X6-161208-BCD	Sides B, C & D
TSC4X6-161208-ABCD	Sides A, B, C & D

MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES		WITH GLAND PLATES	
NPT	Metric	Sides A & B	Sides C & D	Sides A & B	Sides C & D
1/2	M16	40	55	21	27
3/4	M20	28	36	18	24
1	M25	15	21	10	12
1 1/4	M32	8	12	8	10
1 1/2	M40	8	10	3	4
2	M50	6	8	3	3
2 1/2	M63	2	3	2	3

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²		
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2		
MAXIMUM AMPERAGE		3		8	10	16	20	25	35	50	63	80	100	
Terminal Block Size	1.5mm ²	← 109 →			53	x	x	x	x	x	x	x	x	
	2.5mm ²	← 128 →				35	20	x	x	x	x	x	x	
	4mm ²	← 128 →					40	27	x	x	x	x	x	
	6mm ²	← 80 →						43	17	x	x	x	x	
	10mm ²	← 64 →							42	13	x	x	x	
	16mm ²	← 26 →										18	x	x
	35mm ²	x	x	x	x	x	x	x	x	x	x	x	x	

- NOTES**
1. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 2. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 3. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 4. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

TSC Series 16" x 16" x 6" Enclosure

STAINLESS STEEL 304

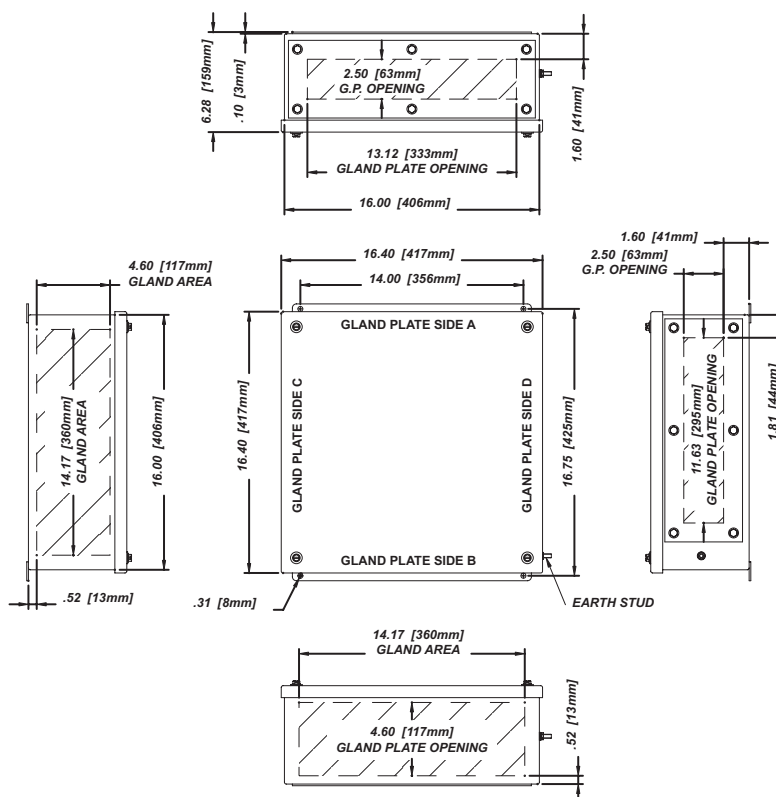
ENCLOSURES WITH TERMINALS

Catalog Number	Gland Plate
TSC4X-161606	None
TSC4X-161606-B	Side B
TSC4X-161606-AB	Sides A & B
TSC4X-161606-BCD	Sides B, C & D
TSC4X-161606-ABCD	Sides A, B, C & D

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS

Catalog Number	Gland Plate
TSC4X6-161606	None
TSC4X6-161606-B	Side B
TSC4X6-161606-AB	Sides A & B
TSC4X6-161606-BCD	Sides B, C & D
TSC4X6-161606-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES		WITH GLAND PLATES	
NPT	Metric	Sides A & B	Sides C & D	Sides A & B	Sides C & D
1/2	M16	33	33	20	18
3/4	M20	27	27	9	8
1	M25	14	14	7	6
1 1/4	M32	12	12	5	5
1 1/2	M40	5	5	5	4
2	M50	4	4	4	3
2 1/2	M63	3	3	-	-

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²	1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22	16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100
Terminal Block Size	1.5mm ²	←104→		50	x	x	x	x	x	x	x	x
	2.5mm ²	←192→			33	19	x	x	x	x	x	x
	4mm ²	←192→			130	38	21	x	x	x	x	x
	6mm ²	←120→					41	16	x	x	x	x
	10mm ²	←96→						40	13	x	x	x
	16mm ²	←52→							33	15	x	x
	35mm ²	←20→										

- NOTES**
1. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 2. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 3. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 4. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

INCREASED SAFETY TERMINAL ENCLOSURES

TSC Series 16" x 16" x 8" Enclosure

STAINLESS STEEL 304

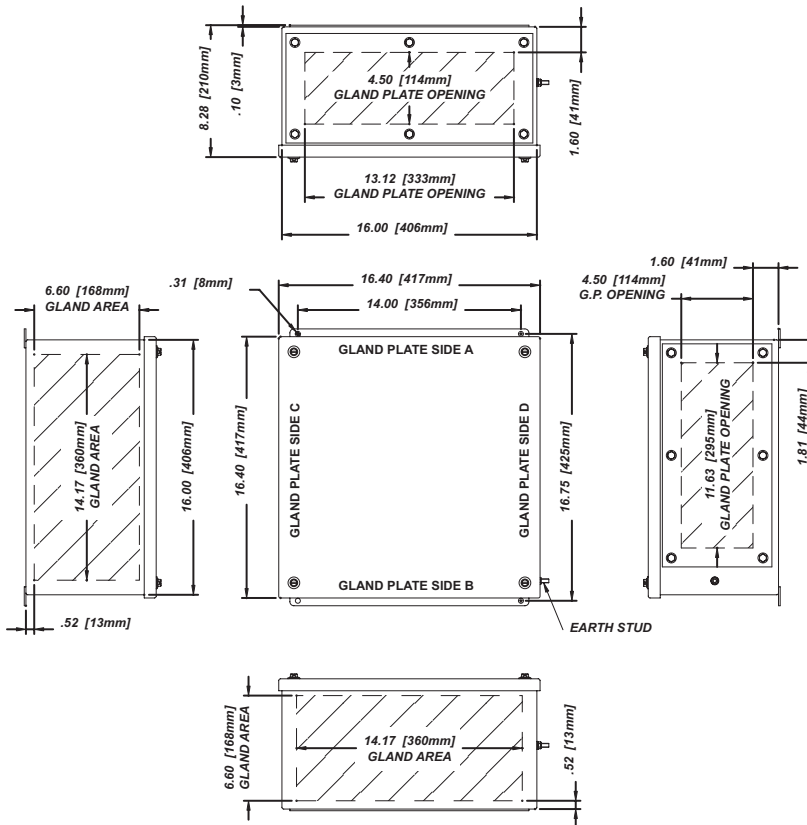
ENCLOSURES WITH TERMINALS

Catalog Number	Gland Plate
TSC4X-161608	None
TSC4X-161608-B	Side B
TSC4X-161608-AB	Sides A & B
TSC4X-161608-BCD	Sides B, C & D
TSC4X-161608-ABCD	Sides A, B, C & D

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS

Catalog Number	Gland Plate
TSC4X6-161608	None
TSC4X6-161608-B	Side B
TSC4X6-161608-AB	Sides A & B
TSC4X6-161608-BCD	Sides B, C & D
TSC4X6-161608-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES		WITH GLAND PLATES	
NPT	Metric	Sides A & B	Sides C & D	Sides A & B	Sides C & D
1/2	M16	55	55	30	27
3/4	M20	36	36	27	24
1	M25	21	21	14	12
1 1/4	M32	12	12	10	10
1 1/2	M40	10	10	5	4
2	M50	8	8	4	3
2 1/2	M63	3	3	3	3

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3		8	10	16	20	25	35	50	63	80	100
Terminal Block Size	1.5mm ²	←119→		58	x	x	x	x	x	x	x	x	x
	2.5mm ²	←192→			38	22	x	x	x	x	x	x	x
	4mm ²	←192→			149	43	24	x	x	x	x	x	x
	6mm ²	←120→						47	18	x	x	x	x
	10mm ²	←96→							46	15	x	x	x
	16mm ²	←52→								38	17	x	x
	35mm ²	←20→											18

- NOTES**
1. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 2. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 3. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 4. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

TERMINAL ENCLOSURES

TN Series

Clamped Door Terminal Enclosure

Adalet's TN4X(6) series terminal enclosures are available in stainless steel 304 or 316L. Adalet can also supply custom size enclosures, operators, and components to suit your increased safety application. Silicone gaskets, removable hinge pin, box and cover ground studs including an external earthing stud and universal rail mounting system are included as standard.

STANDARD FEATURES

- 64 standard enclosure sizes, available in SS316L or SS304.
- Stainless steel cover clamps and screws
- Folded lip around door opening for complete and maximum gasket contact
- Continuously welded seams and ground smooth
- Silicone cover gasket & internal rail mount system
- Continuous piano hinge, with removable stainless steel pin
- Ground studs - on door and box, including an external ground stud
- Welded on external mounting feet
- Padlock hasp for padlocking

DESIGN OPTIONS

- Gland plates pre-drilled or solid for field drilling
- Cable glands, stopping plugs, reducers, adaptors
- Terminal rail assemblies
- Breather/drain
- Custom polyester powder coating and painting
- Mounting pans
- Custom size enclosures and gland plates

MATERIAL

ENCLOSURE

TN4X Series	#14 ga Stainless Steel 304 - Brushed Finish
TN4X6 Series	#14 ga Stainless Steel 316L - Brushed Finish
TN4X Gland Plates	#10 ga Stainless Steel 304 - Brushed Finish
TN4X6 Gland Plates	#10 ga Stainless Steel 316L - Brushed Finish

GASKET

Cover	Silicone Sponge
Gland Plates	Silicone Sponge

ENCLOSURE MOUNTING

Four (4) external lugs with .44" clearance holes / slots

LID FIXING

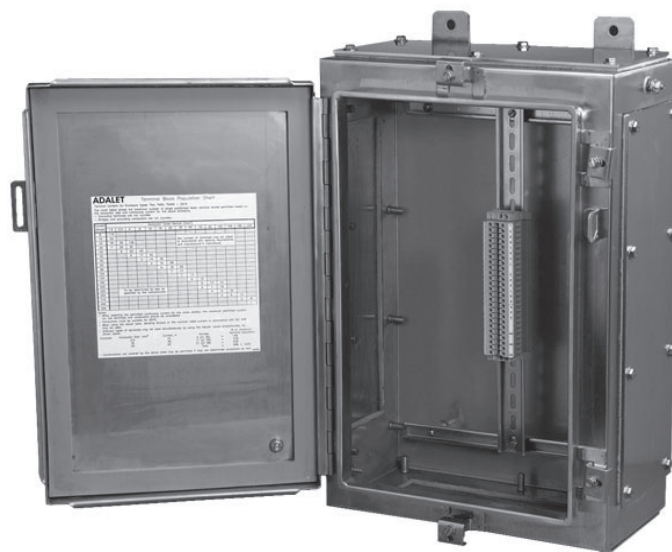
TN4X Hinge	Continuous piano SS304
TN4X6 Hinge	Continuous piano SS316L

TN4X Door Clamps TN4X6 Door Clamps

Stainless Steel 304
Stainless Steel 316L

GROUNDING

Box & Cover	1/4-20 stud with 300 Series SS hardware
------------------------	---



CERTIFICATIONS

POPULATED ENCLOSURE

Class I, Division 2, Groups A, B, C, D
Class II, Division 2, Groups F, G
Class I, Zone 1, AEx e II T6 (T5: Ta < +55°C) (T4: Ta < 70°C)
NEMA Type 4X, 12, 13
Ex e II T6 (T5: Ta < +55°C) (T4: Ta < 70°C)
Ex tD A21 IP66 T200°C
IECEx UL 09.0016X
DEMKO 01 ATEX 130437X
CE 0539 Ex II 2 G Ex e II T6 (T5: Ta < +55°C) (T4: Ta < +70°C)
CE 0539 Ex II 2 D Ex tD A21 IP66 T200°C

EMPTY ENCLOSURE

Class II, Division 2
Class I, Zone 1, AEx e II
Ex e II
NEMA Type 4X, 12, 13
DEMKO 01 ATEX 0113363U
CE 0539 Ex II 2 GD
Ex tD A21 IP66



INCREASED SAFETY TERMINAL ENCLOSURES

INCREASED SAFETY
ENCLOSURES

MAXIMUM TERMINAL BLOCK CONTENT

CAT. NUMBER	DEPTH SIZES			2.5mm		4mm		6mm		10mm		16mm		35mm	
				# ROWS	QTY.	# ROWS	QTY.	# ROWS	QTY.	# ROWS	QTY.	# ROWS	QTY.	# ROWS	QTY.
TN4X6-1224	06	08	-	5	170	5	170	5	105	5	85	3	42	2	20
TN4X6-1612	06	08	10	2	108	2	108	2	68	2	54	1	22	-	-
TN4X6-1616	06	08	-	3	165	3	165	3	102	3	81	2	44	1	17
TN4X6-1620	06	08	-	4	216	4	216	4	136	4	108	3	66	1	17
TN4X6-2012	06	08	-	2	148	2	148	2	94	2	74	1	31	-	-
TN4X6-201407	-	-	-	3	222	3	222	3	141	2	74	2	62	1	23
TN4X6-2016	06	08	10	3	222	3	222	3	141	3	111	2	62	1	23
TN4X6-2020	06	08	10	4	296	4	296	4	188	4	148	3	93	1	23
TN4X6-2024	06	08	-	5	370	5	370	5	235	5	185	3	93	2	46
TN4X6-2412	06	08	10	2	190	2	190	2	120	2	96	1	39	-	-
TN4X6-2416	06	08	-	3	285	3	285	3	180	3	144	2	78	1	29
TN4X6-2420	06	08	10	4	380	4	380	4	240	4	192	3	117	1	29
TN4X6-2424	06	08	10	5	475	5	475	5	300	5	240	3	117	2	58
TN4X6-2430	-	08	-	7	665	7	665	7	420	6	288	5	195	3	87
TN4X6-251807	-	-	-	4	400	4	400	4	252	3	150	2	84	1	31
TN4X6-3016	06	-	-	3	375	3	375	3	237	3	189	2	104	1	39
TN4X6-3020	06	08	10	4	500	4	500	4	316	4	252	3	156	1	39
TN4X6-302007	-	-	-	5	625	5	625	5	395	4	252	3	156	2	78
TN4X6-3024	06	08	10	5	625	5	625	5	395	5	315	3	156	2	78
TN4X6-3030	-	08	-	7	875	7	875	7	553	6	378	5	260	3	117
TN4X6-3036	-	08	-	8	1000	8	1000	8	632	7	441	6	312	3	117
TN4X6-362406	06	08	-	5	780	5	780	5	495	5	390	3	195	2	96
TN4X6-362507	-	-	-	6	936	6	936	6	594	5	390	4	260	2	96
TN4X6-3630	06	08	10	7	1092	7	1092	7	693	6	468	5	325	3	144
TN4X6-3636	-	08	-	8	1248	8	1248	8	797	7	546	6	390	3	144
TN4X6-392907	-	-	-	7	1197	7	1197	7	756	6	516	4	284	2	106
TN4X6-4224	-	08	-	5	930	5	930	5	590	5	470	3	234	2	116
TN4X6-4230	-	08	10	7	1302	7	1302	7	826	6	564	5	390	3	174
TN4X6-4236	-	08	10	8	1488	8	1488	8	944	7	658	6	468	3	174
TN4X6-4824	-	08	-	5	1085	5	1085	5	685	8	545	3	273	2	134
TN4X6-4830	-	08	10	7	1519	7	1519	7	959	5	654	5	455	3	201
TN4X6-4836	-	08	10	8	1736	8	1736	8	1096	7	763	6	546	3	201
TN4X6-6036	-	08	10	8	2224	8	2224	8	1408	8	980	6	696	3	258

Information is subject to change without notice

Measurements in inches

- NOTES**
1. The TN4 Series is available either in SS316L (TN4X6) or SS304 (TN4X).
 2. Refer to enclosure catalog page for dimensional information.
 3. The maximum terminal block content is based on the following maximum permitted continuous current and minimum conductor size. (See chart right)
 4. For higher ampacities refer to enclosure catalog page.
 5. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 6. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 7. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.

MAX CURRENT	MIN CONDUCTOR SIZE	
10 AMPS	2.5mm ²	(14 AWG)
10 AMPS	4mm ²	(12 AWG)
20 AMPS	6mm ²	(10 AWG)
25 AMPS	10mm ²	(8 AWG)
35 AMPS	16mm ²	(6 AWG)
63 AMPS	35mm ²	(2 AWG)

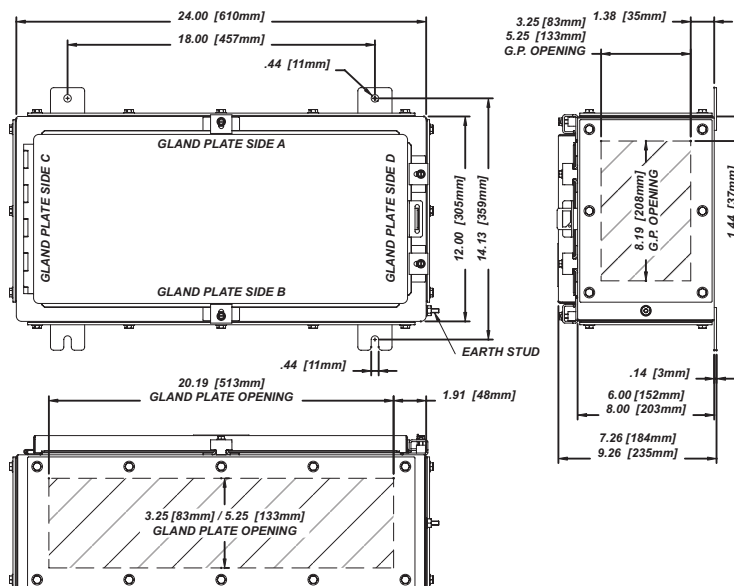
TERMINAL ENCLOSURES

TN Series

12" x 24" Clamped Door

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS		
	CATALOG NUMBER	GLAND PLATE
6" [152.4mm] Depth	TN4X6-122406	None
	TN4X6-122406-B	Side B
	TN4X6-122406-AB	Sides A & B
	TN4X6-122406-BCD	Sides B, C & D
	TN4X6-122406-ABCD	Sides A, B, C & D
8" [203.2mm] Depth	TN4X6-122408	None
	TN4X6-122408-B	Side B
	TN4X6-122408-AB	Sides A & B
	TN4X6-122408-BCD	Sides B, C & D
	TN4X6-122408-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

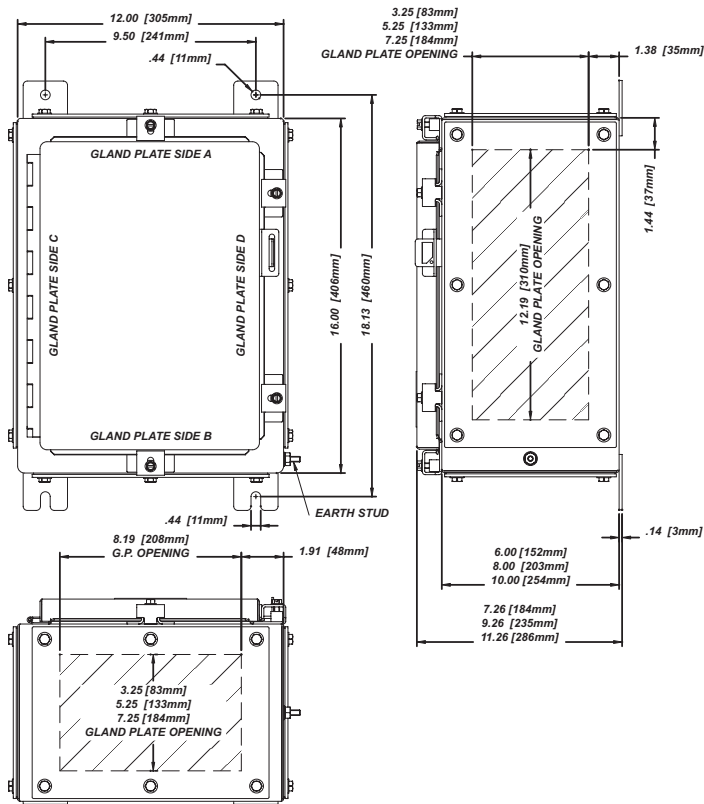
SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	95	114	-	45	54	-	32	64	-	12	24	-
3/4	M20	64	80	-	32	40	-	26	39	-	10	15	-
1	M25	39	52	-	18	24	-	22	33	-	4	12	-
1 1/4	M32	20	30	-	10	15	-	8	16	-	3	6	-
1 1/2	M40	18	27	-	8	12	-	7	14	-	3	6	-
2	M50	14	14	-	6	6	-	6	6	-	2	2	-
2 1/2	M63	6	12	-	3	6	-	5	5	-	2	2	-

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²	1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22	16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100
Terminal Block Size	1.5mm ²	← 99 →		48	x	x	x	x	x	x	x	x
	2.5mm ²	← 170 →			32	18	x	x	x	x	x	x
	4mm ²	← 170 →			124	36	20	x	x	x	x	x
	6mm ²	← 105 →					39	15	x	x	x	x
	10mm ²	← 85 →						38	12	x	x	x
	16mm ²	← 42 →							31	14	x	x
	35mm ²	← 20 →										15

- NOTES**
1. For stainless steel 304 construction, substitute TN4X6 prefix with TN4X.
 2. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 3. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 4. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 5. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

INCREASED SAFETY TERMINAL ENCLOSURES



TN Series 16" x 12" Clamped Door

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS		
Depth	CAT NUMBER	GLAND PLATE
6" [152.4mm]	TN4X6-161206	None
	TN4X6-161206-B	Side B
	TN4X6-161206-AB	Sides A & B
	TN4X6-161206-BCD	Sides B, C & D
	TN4X6-161206-ABCD	Sides A, B, C & D
8" [203.2mm]	TN4X6-161208	None
	TN4X6-161208-B	Side B
	TN4X6-161208-AB	Sides A & B
	TN4X6-161208-BCD	Sides B, C & D
	TN4X6-161208-ABCD	Sides A, B, C & D
10" [254.0mm]	TN4X6-161210	None
	TN4X6-161210-B	Side B
	TN4X6-161210-AB	Sides A & B
	TN4X6-161210-BCD	Sides B, C & D
	TN4X6-161210-ABCD	Sides A, B, C & D

INCREASED SAFETY
ENCLOSURES

MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	45	54	72	60	72	96	12	24	36	18	36	54
3/4	M20	32	40	48	40	50	60	10	15	25	16	24	40
1	M25	18	24	30	24	32	40	4	12	16	6	18	24
1 1/4	M32	10	15	20	12	18	24	3	6	9	5	10	15
1 1/2	M40	8	12	16	10	15	20	3	6	6	4	8	8
2	M50	6	6	9	8	8	12	2	2	4	3	3	6
2 1/2	M63	3	6	6	4	8	8	2	2	4	3	3	6

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²		
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2		
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100		
Terminal Block Size	1.5mm ²	← 94 →		46	x	x	x	x	x	x	x	x	x	
	2.5mm ²	← 108 →			30	17	x	x	x	x	x	x	x	
	4mm ²	← 108 →				34	19	x	x	x	x	x	x	
	6mm ²	← 68 →					37	14	x	x	x	x	x	
	10mm ²	← 54 →						36	12	x	x	x	x	
	16mm ²	← 22 →								30	14	x	x	x
	35mm ²	x	x	x	x	x	x	x	x	x	x	x	x	x

- NOTES**
1. For stainless steel 304 construction, substitute TN4X6 prefix with TN4X.
 2. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 3. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 4. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 5. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

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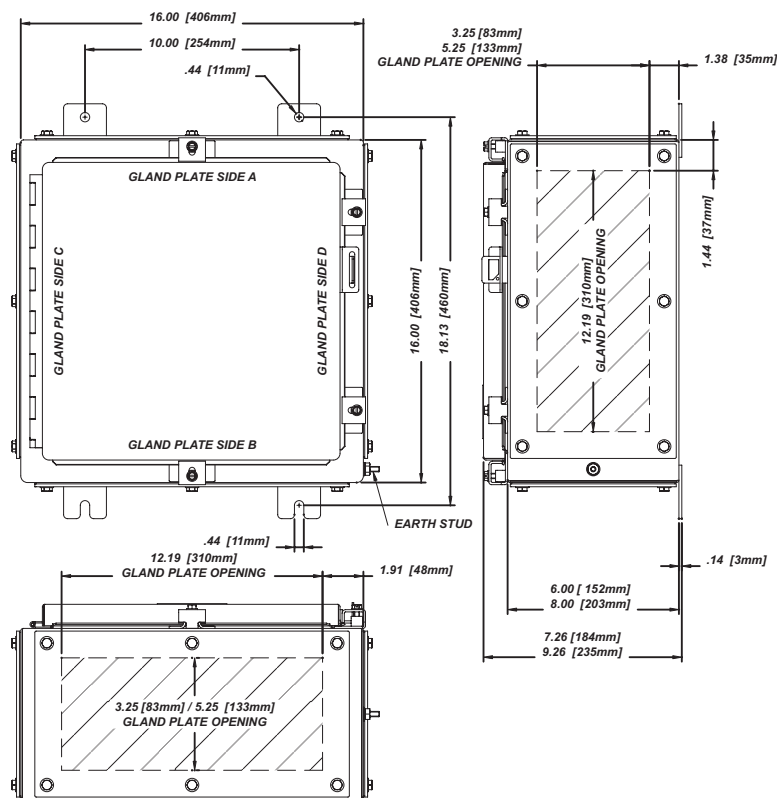
TERMINAL ENCLOSURES

TN Series

16" x 16" Clamped Door

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS		
	CATALOG NUMBER	GLAND PLATE
6" (152.4mm) Depth	TN4X6-161606	None
	TN4X6-161606-B	Side B
	TN4X6-161606-AB	Sides A & B
	TN4X6-161606-BCD	Sides B, C & D
	TN4X6-161606-ABCD	Sides A, B, C & D
8" (203.2mm) Depth	TN4X6-161608	None
	TN4X6-161608-B	Side B
	TN4X6-161608-AB	Sides A & B
	TN4X6-161608-BCD	Sides B, C & D
	TN4X6-161608-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	65	78	-	60	72	-	18	36	-	18	36	-
3/4	M20	40	50	-	40	50	-	16	24	-	16	24	-
1	M25	24	32	-	24	32	-	6	18	-	6	18	-
1 1/4	M32	12	18	-	12	18	-	5	10	-	5	10	-
1 1/2	M40	12	18	-	10	15	-	4	8	-	4	8	-
2	M50	10	10	-	8	8	-	3	3	-	3	3	-
2 1/2	M63	4	8	-	4	8	-	3	3	-	3	3	-

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100	
Terminal Block Size	1.5mm ²	←104→		50	x	x	x	x	x	x	x	x	x
	2.5mm ²	←162→			33	19	x	x	x	x	x	x	x
	4mm ²	←162→			130	38	21	x	x	x	x	x	x
	6mm ²	←102→					41	16	x	x	x	x	x
	10mm ²	←81→						40	13	x	x	x	x
	16mm ²	←44→							33	15	x	x	x
	35mm ²	←17→											7

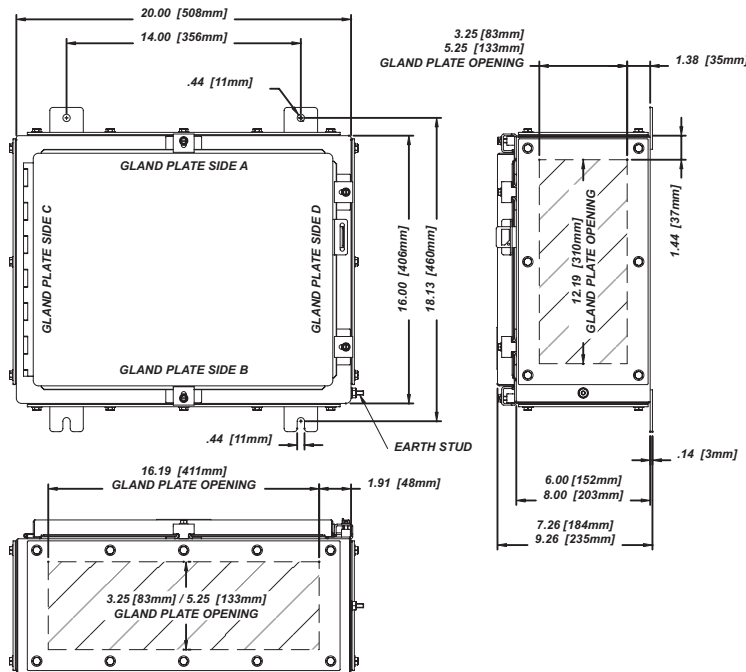
- NOTES**
- For stainless steel 304 construction, substitute TN4X6 prefix with TN4X.
 - The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 - For applications requiring multiple terminal block configurations and ampacities, consult factory.
 - For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 - For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

INCREASED SAFETY TERMINAL ENCLOSURES

TN Series 16" x 20" Clamped Door

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS		
	CATALOG NUMBER	GLAND PLATE
6" [152.4mm] Depth	TN4X6-162006	None
	TN4X6-162006-B	Side B
	TN4X6-162006-AB	Sides A & B
	TN4X6-162006-BCD	Sides B, C & D
	TN4X6-162006-ABCD	Sides A, B, C & D
8" [203.2mm] Depth	TN4X6-162008	None
	TN4X6-162008-B	Side B
	TN4X6-162008-AB	Sides A & B
	TN4X6-162008-BCD	Sides B, C & D
	TN4X6-162008-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
		Sides A & B			Sides C & D			Sides A & B			Sides C & D		
NPT	Metric	06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	80	96	-	60	72	-	26	52	-	18	36	-
3/4	M20	52	65	-	40	50	-	22	33	-	16	24	-
1	M25	30	40	-	24	32	-	8	24	-	6	18	-
1 1/4	M32	16	24	-	12	18	-	7	14	-	5	10	-
1 1/2	M40	14	21	-	10	15	-	6	12	-	4	8	-
2	M50	12	12	-	8	8	-	5	5	-	3	3	-
2 1/2	M63	5	10	-	4	8	-	4	4	-	3	3	-

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²		
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2		
MAXIMUM AMPERAGE		3		8	10	16	20	25	35	50	63	80	100	
Terminal Block Size	1.5mm ²	← 110 →		53	x	x	x	x	x	x	x	x	x	
	2.5mm ²	← 216 →			35	20	x	x	x	x	x	x	x	
	4mm ²	← 216 →			138	40	22	x	x	x	x	x	x	
	6mm ²	← 136 →						43	17	x	x	x	x	
	10mm ²	← 108 →							42	13	x	x	x	
	16mm ²	← 66 →									35	16	x	x
	35mm ²	17												

- NOTES**
- For stainless steel 304 construction, substitute TN4X6 prefix with TN4X.
 - The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 - For applications requiring multiple terminal block configurations and ampacities, consult factory.
 - For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 - For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

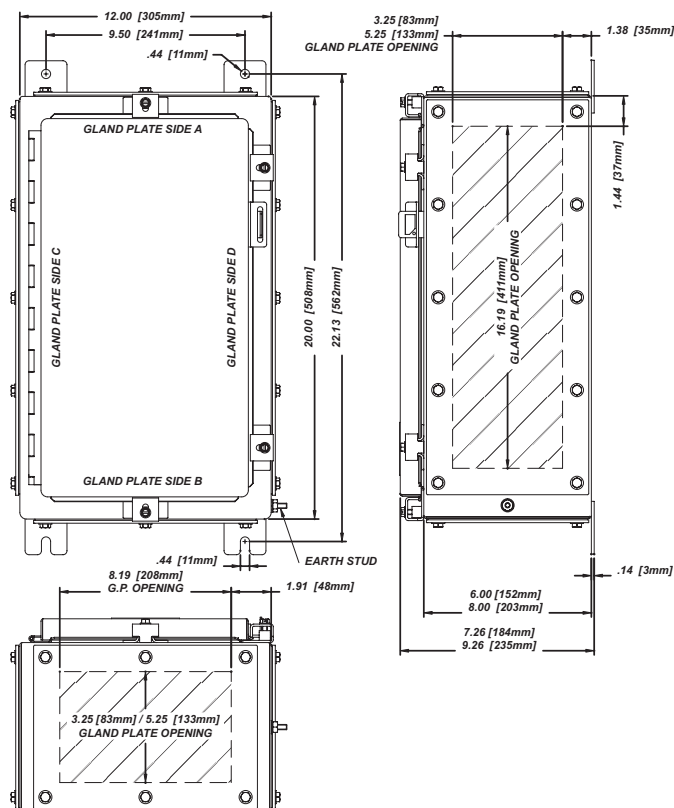
TERMINAL ENCLOSURES

TN Series

20" x 12" Clamped Door

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS		
CATALOG NUMBER	GLAND PLATE	
TN4X6-201206	None	
TN4X6-201206-B	Side B	
TN4X6-201206-AB	Sides A & B	
TN4X6-201206-BCD	Sides B, C & D	
TN4X6-201206-ABCD	Sides A, B, C & D	
TN4X6-201208	None	
TN4X6-201208-B	Side B	
TN4X6-201208-AB	Sides A & B	
TN4X6-201208-BCD	Sides B, C & D	
TN4X6-201208-ABCD	Sides A, B, C & D	



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	40	48	-	75	80	-	12	24	-	26	52	-
3/4	M20	28	35	-	48	60	-	10	15	-	22	33	-
1	M25	18	24	-	30	40	-	4	12	-	8	24	-
1 1/4	M32	8	12	-	16	24	-	3	6	-	7	14	-
1 1/2	M40	8	12	-	14	21	-	3	6	-	6	12	-
2	M50	6	6	-	10	10	-	2	2	-	5	5	-
2 1/2	M63	3	6	-	5	10	-	2	2	-	4	4	-

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²			
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2			
MAXIMUM AMPERAGE		3		8	10	16	20	25	35	50	63	80	100		
Terminal Block Size	1.5mm ²	← 97 →		47	x	x	x	x	x	x	x	x	x		
	2.5mm ²	← 148 →			31	18	x	x	x	x	x	x	x		
	4mm ²	← 148 →			122	35	20	x	x	x	x	x	x		
	6mm ²	← 94 →					36	15	x	x	x	x	x		
	10mm ²	← 74 →							37	12	x	x	x		
	16mm ²	← 31 →											14	x	x
	35mm ²	x	x	x	x	x	x	x	x	x	x	x	x	x	

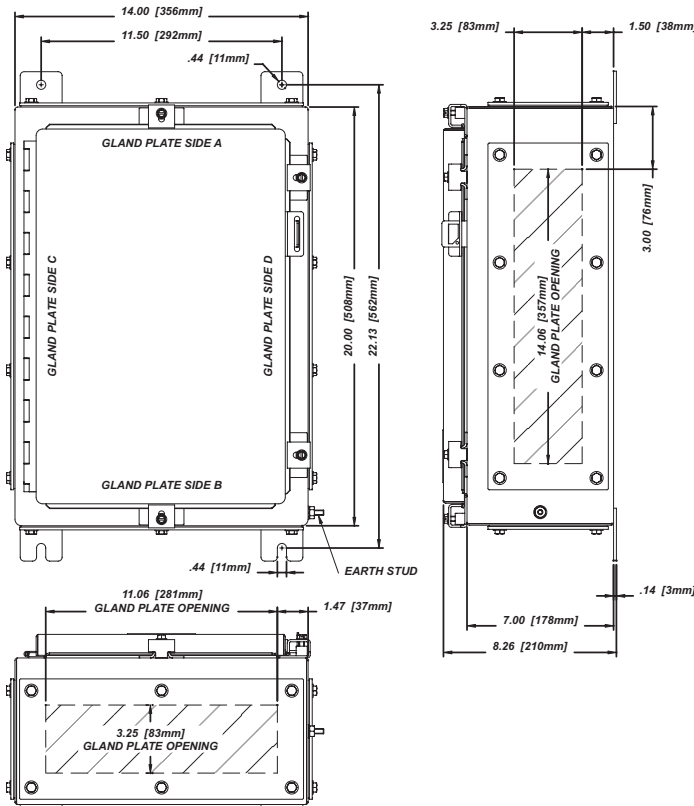
- NOTES**
1. For stainless steel 304 construction, substitute TN4X6 prefix with TN4X.
 2. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
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 4. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 5. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

INCREASED SAFETY TERMINAL ENCLOSURES

TN Series 20" x 14" x 7" Clamped Door

STAINLESS STEEL 316L

7" [177.8mm] Depth	ENCLOSURES WITH TERMINALS	
	CATALOG NUMBER	GLAND PLATE
	TN4X6-201407	None
	TN4X6-201407-B	Side B
	TN4X6-201407-AB	Sides A & B
	TN4X6-201407-BCD	Sides B, C & D
	TN4X6-201407-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES		WITH GLAND PLATES	
NPT	Metric	Sides A & B	Sides C & D	Sides A & B	Sides C & D
1/2	M16	55	75	18	22
3/4	M20	36	48	14	18
1	M25	21	30	6	7
1 1/4	M32	12	16	4	6
1 1/2	M40	10	14	4	5
2	M50	8	10	3	4
2 1/2	M63	3	5	3	3

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100	
Terminal Block Size	1.5mm ²	← 104 →		50	x	x	x	x	x	x	x	x	
	2.5mm ²	← 222 →			33	19	x	x	x	x	x	x	
	4mm ²	← 222 →			131	38	21	x	x	x	x	x	
	6mm ²	← 141 →					41	16	x	x	x	x	
	10mm ²	← 74 →						40	13	x	x	x	
	16mm ²	← 62 →							33	15	x	x	
	35mm ²	← 23 →										16	

- NOTES**
1. For stainless steel 304 construction, substitute TN4X6 prefix with TN4X.
 2. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 3. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 4. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
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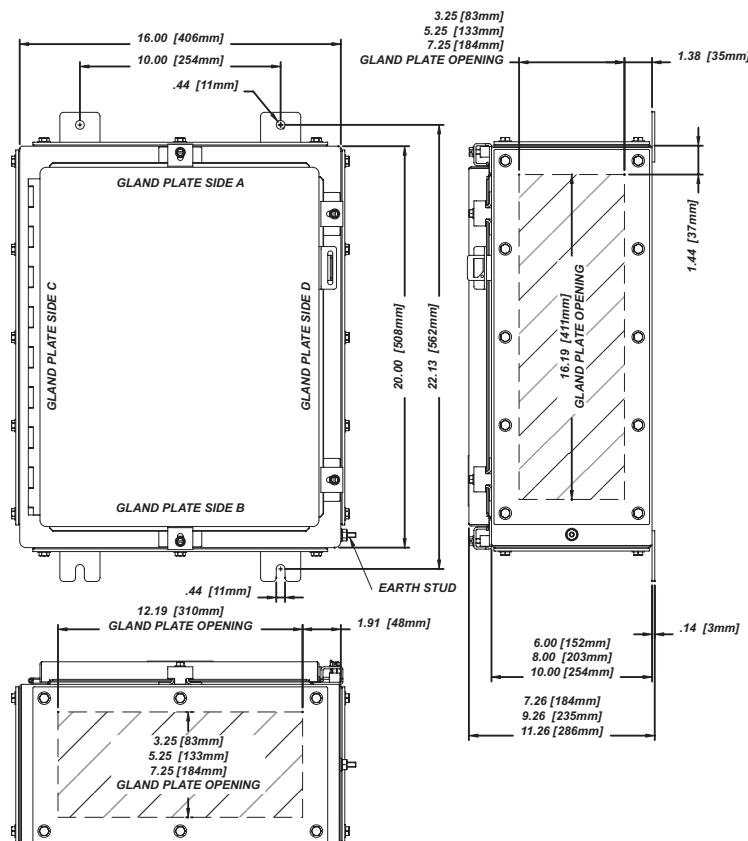
TERMINAL ENCLOSURES

TN Series

20" x 16" Clamped Door

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS		
	CATALOG NUMBER	GLAND PLATE
6" [152.4mm] Depth	TN4X6-201606	None
	TN4X6-201606-B	Side B
	TN4X6-201606-AB	Sides A & B
	TN4X6-201606-BCD	Sides B, C & D
	TN4X6-201606-ABCD	Sides A, B, C & D
8" [203.2mm] Depth	TN4X6-201608	None
	TN4X6-201608-B	Side B
	TN4X6-201608-AB	Sides A & B
	TN4X6-201608-BCD	Sides B, C & D
	TN4X6-201608-ABCD	Sides A, B, C & D
10" [254.0mm] Depth	TN4X6-201610	None
	TN4X6-201610-B	Side B
	TN4X6-201610-AB	Sides A & B
	TN4X6-201610-BCD	Sides B, C & D
	TN4X6-201610-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	65	78	104	75	90	120	18	36	54	26	52	78
3/4	M20	40	50	60	48	60	72	16	24	40	22	33	55
1	M25	24	32	40	30	40	50	6	18	24	8	24	32
1 1/4	M32	12	18	24	16	24	32	5	10	15	7	14	21
1 1/2	M40	12	18	24	14	21	28	4	8	8	6	12	12
2	M50	10	10	15	10	10	15	3	3	6	5	5	10
2 1/2	M63	4	8	8	5	10	10	3	3	6	4	4	8

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100	
Terminal Block Size	1.5mm ²	←110→		53	x	x	x	x	x	x	x	x	x
	2.5mm ²	←222→			35	20	x	x	x	x	x	x	x
	4mm ²	←222→			138	40	22	x	x	x	x	x	x
	6mm ²	←141→					43	17	x	x	x	x	
	10mm ²	←111→						42	13	x	x	x	
	16mm ²	← 62 →							35	16	x	x	
	35mm ²	← 23 →											17

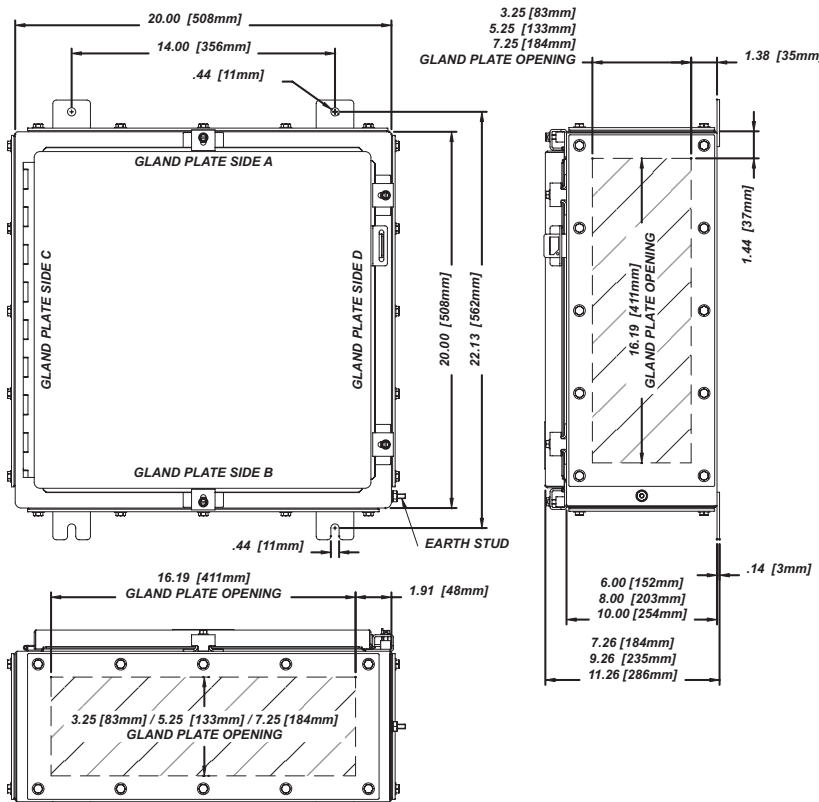
- NOTES**
1. For stainless steel 304 construction, substitute TN4X6 prefix with TN4X.
 2. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 3. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 4. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 5. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

INCREASED SAFETY TERMINAL ENCLOSURES

TN Series 20" x 20" Clamped Door

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS	
CATALOG NUMBER	GLAND PLATE
TN4X6-202006	None
TN4X6-202006-B	Side B
TN4X6-202006-AB	Sides A & B
TN4X6-202006-BCD	Sides B, C & D
TN4X6-202006-ABCD	Sides A, B, C & D
TN4X6-202008	None
TN4X6-202008-B	Side B
TN4X6-202008-AB	Sides A & B
TN4X6-202008-BCD	Sides B, C & D
TN4X6-202008-ABCD	Sides A, B, C & D
TN4X6-202010	None
TN4X6-202010-B	Side B
TN4X6-202010-AB	Sides A & B
TN4X6-202010-BCD	Sides B, C & D
TN4X6-202010-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	80	96	128	75	90	120	26	52	78	26	52	78
3/4	M20	52	65	78	48	60	72	22	33	55	22	33	55
1	M25	30	40	50	30	40	50	8	24	32	8	24	32
1 1/4	M32	16	24	32	16	24	32	7	14	21	7	14	21
1 1/2	M40	14	21	28	14	21	28	6	12	12	6	12	12
2	M50	12	12	18	10	10	15	5	5	12	5	5	10
2 1/2	M63	5	10	10	5	10	10	4	4	8	4	4	8

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²			
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2			
MAXIMUM AMPERAGE		3		8	10	16	20	25	35	50	63	80	100		
Terminal Block Size	1.5mm ²	← 119 →			58	x	x	x	x	x	x	x	x		
	2.5mm ²	← 296 →				38	22	x	x	x	x	x	x		
	4mm ²	← 296 →				149	43	24	x	x	x	x	x		
	6mm ²	← 188 →							47	18	x	x	x	x	
	10mm ²	← 148 →									46	15	x	x	x
	16mm ²	← 93 →									38		17	x	x
	35mm ²												← 23 →		18

- NOTES**
1. For stainless steel 304 construction, substitute TN4X6 prefix with TN4X.
 2. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 3. For applications requiring multiple terminal block configurations and ampacities, consult factory.
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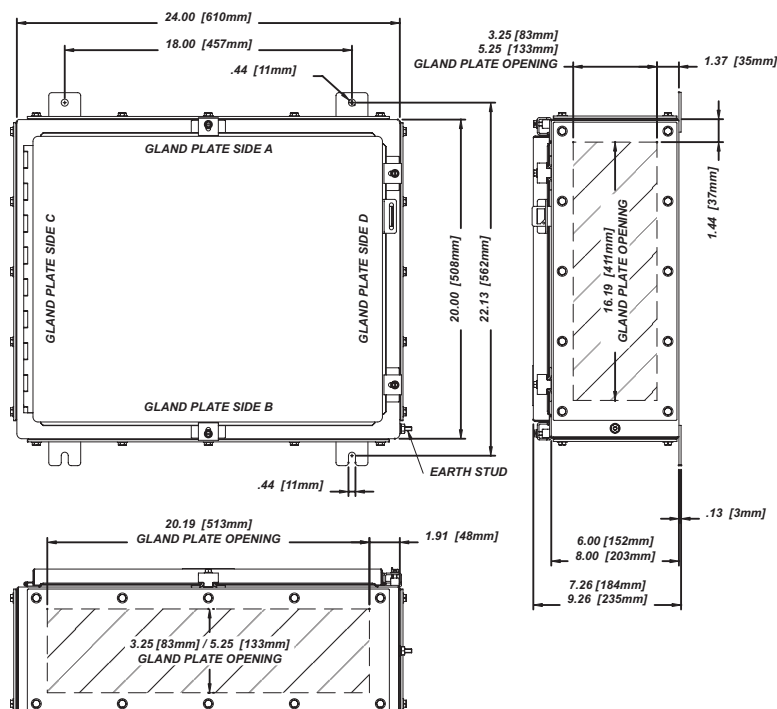
TERMINAL ENCLOSURES

TN Series

20" x 24" Clamped Door

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS		
	CATALOG NUMBER	GLAND PLATE
6" [152.4mm] Depth	TN4X6-202406	None
	TN4X6-202406-B	Side B
	TN4X6-202406-AB	Sides A & B
	TN4X6-202406-BCD	Sides B, C & D
	TN4X6-202406-ABCD	Sides A, B, C & D
8" [203.2mm] Depth	TN4X6-202408	None
	TN4X6-202408-B	Side B
	TN4X6-202408-AB	Sides A & B
	TN4X6-202408-BCD	Sides B, C & D
	TN4X6-202408-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	80	96	-	90	108	-	32	64	-	26	52	-
3/4	M20	52	65	-	60	75	-	26	39	-	22	33	-
1	M25	30	40	-	36	48	-	11	33	-	8	24	-
1 1/4	M32	16	24	-	18	27	-	8	16	-	7	14	-
1 1/2	M40	14	21	-	16	24	-	7	14	-	6	12	-
2	M50	12	12	-	14	14	-	6	6	-	5	5	-
2 1/2	M63	5	10	-	6	12	-	5	5	-	4	4	-

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²			
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2			
MAXIMUM AMPERAGE		3		8		10		16	20	25	35	50	63	80	100
Terminal Block Size	1.5mm ²	←125→		61		x	x	x	x	x	x	x	x	x	x
	2.5mm ²	←370→				40	23	x	x	x	x	x	x	x	x
	4mm ²	←370→				157	45	25	x	x	x	x	x	x	x
	6mm ²	←235→						49	19	x	x	x	x	x	x
	10mm ²	←185→							48	15	x	x	x	x	x
	16mm ²	←93→									40	18	x	x	x
	35mm ²					←46→									19

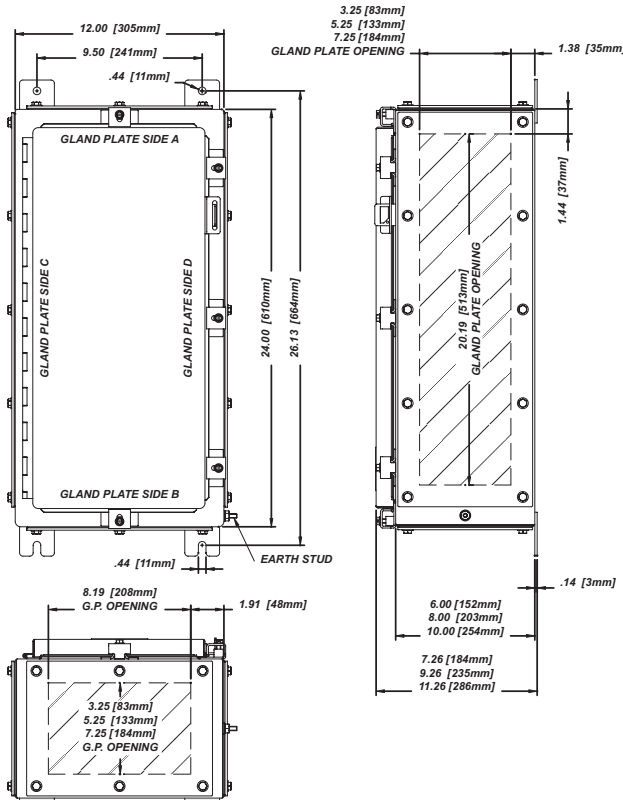
- NOTES**
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INCREASED SAFETY TERMINAL ENCLOSURES

TN Series 24" x 12" Clamped Door

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS		
Depth	CATALOG NUMBER	GLAND PLATE
6" [152.4mm]	TN4X6-241206	None
	TN4X6-241206-B	Side B
	TN4X6-241206-AB	Sides A & B
	TN4X6-241206-BCD	Sides B, C & D
	TN4X6-241206-ABCD	Sides A, B, C & D
8" [203.2mm]	TN4X6-241208	None
	TN4X6-241208-B	Side B
	TN4X6-241208-AB	Sides A & B
	TN4X6-241208-BCD	Sides B, C & D
	TN4X6-241208-ABCD	Sides A, B, C & D
10" [254.0mm]	TN4X6-241210	None
	TN4X6-241210-B	Side B
	TN4X6-241210-AB	Sides A & B
	TN4X6-241210-BCD	Sides B, C & D
	TN4X6-241210-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	45	54	72	90	108	144	12	24	36	32	64	96
3/4	M20	32	40	48	60	75	90	10	15	25	26	39	65
1	M25	18	24	30	36	48	60	4	12	16	11	33	44
1 1/4	M32	10	15	20	18	27	36	3	6	9	8	16	24
1 1/2	M40	8	12	16	16	24	32	3	6	6	7	14	14
2	M50	6	6	9	14	14	21	2	2	4	6	6	12
2 1/2	M63	3	6	6	6	12	12	2	2	4	5	5	10

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²		
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2		
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100		
Terminal Block Size	1.5mm ²	← 99 →		48	x	x	x	x	x	x	x	x	x	
	2.5mm ²	← 190 →			32	18	x	x	x	x	x	x	x	
	4mm ²	← 190 →			124	36	20	x	x	x	x	x	x	
	6mm ²	← 120 →					39	15	x	x	x	x	x	
	10mm ²	← 96 →						38	12	x	x	x	x	
	16mm ²	← 39 →								31	14	x	x	x
	35mm ²	x	x	x	x	x	x	x	x	x	x	x	x	x

- NOTES**
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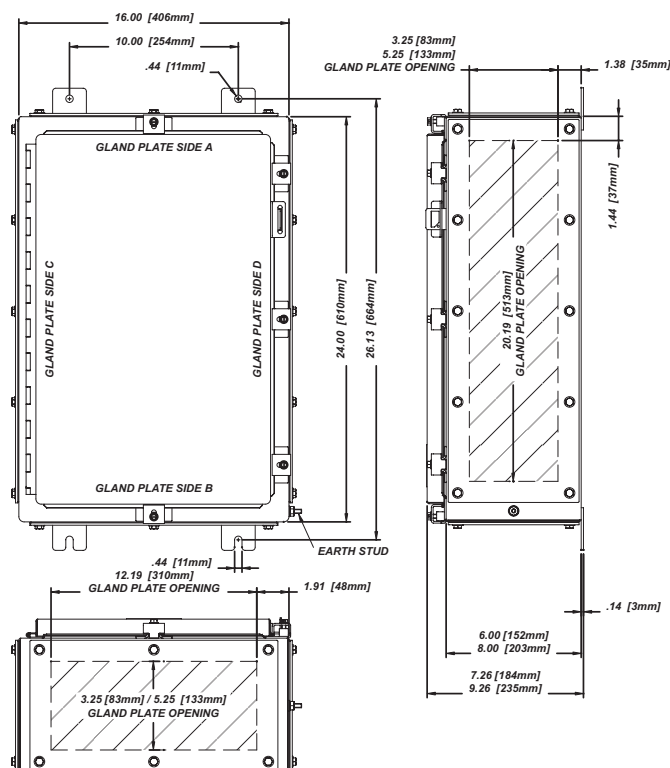
TERMINAL ENCLOSURES

TN Series

24" x 16" Clamped Door

STAINLESS STEEL 316L

Depth	ENCLOSURES WITH TERMINALS	
	CATALOG NUMBER	GLAND PLATE
6" [152.4mm]	TN4X6-241606	None
	TN4X6-241606-B	Side B
	TN4X6-241606-AB	Sides A & B
	TN4X6-241606-BCD	Sides B, C & D
	TN4X6-241606-ABCD	Sides A, B, C & D
8" [203.2mm]	TN4X6-241608	None
	TN4X6-241608-B	Side B
	TN4X6-241608-AB	Sides A & B
	TN4X6-241608-BCD	Sides B, C & D
	TN4X6-241608-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	65	78	-	95	114	-	18	36	-	32	64	--
3/4	M20	40	50	-	64	80	-	16	24	-	26	39	-
1	M25	24	32	-	39	52	-	6	18	-	11	33	-
1 1/4	M32	12	18	-	20	30	-	5	10	-	8	16	-
1 1/2	M40	12	18	-	18	27	-	4	8	-	7	14	-
2	M50	10	8	-	14	14	-	3	3	-	6	6	-
2 1/2	M63	4	8	-	6	12	-	3	3	-	5	5	-

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²			
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2			
MAXIMUM AMPERAGE		3		8		10		16	20	25	35	50	63	80	100
Terminal Block Size	1.5mm ²	←114→			55		x	x	x	x	x	x	x	x	x
	2.5mm ²	←285→				36		21	x	x	x	x	x	x	x
	4mm ²	←285→				142		41	23	x	x	x	x	x	x
	6mm ²	←180→							45		17	x	x	x	x
	10mm ²	←144→								44		14	x	x	x
	16mm ²	←78→									36		17	x	x
	35mm ²	←29→													

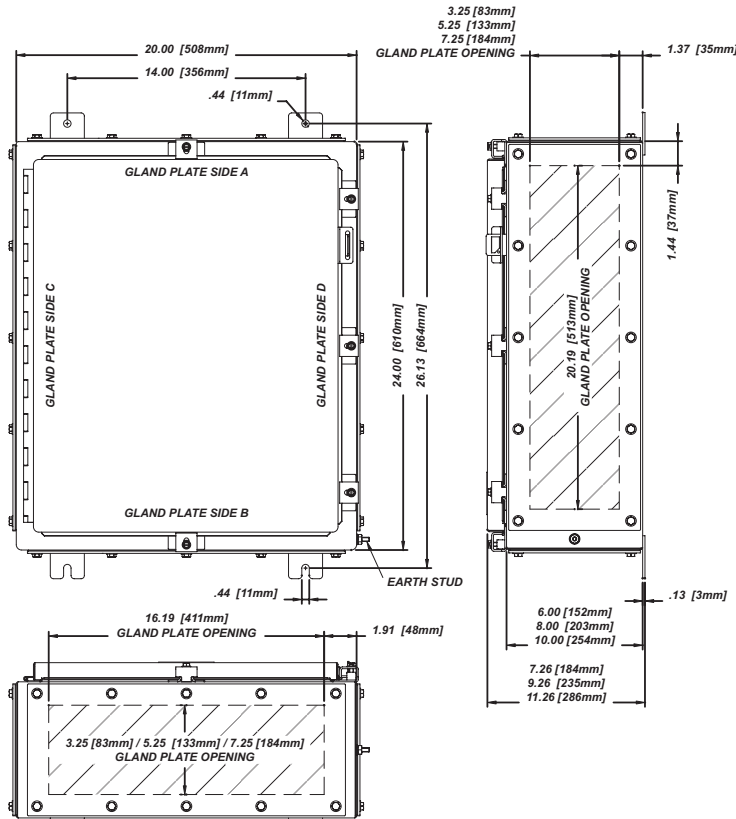
- NOTES**
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 - For applications requiring multiple terminal block configurations and ampacities, consult factory.
 - For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 - For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

INCREASED SAFETY TERMINAL ENCLOSURES

TN Series 24" x 20" Clamped Door

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS	
CATALOG NUMBER	GLAND PLATE
TN4X6-242006	None
TN4X6-242006-B	Side B
TN4X6-242006-AB	Sides A & B
TN4X6-242006-BCD	Sides B, C & D
TN4X6-242006-ABCD	Sides A, B, C & D
TN4X6-242008	None
TN4X6-242008-B	Side B
TN4X6-242008-AB	Sides A & B
TN4X6-242008-BCD	Sides B, C & D
TN4X6-242008-ABCD	Sides A, B, C & D
TN4X6-242010	None
TN4X6-242010-B	Side B
TN4X6-242010-AB	Sides A & B
TN4X6-242010-BCD	Sides B, C & D
TN4X6-242010-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	80	96	128	90	108	144	26	52	78	32	64	96
3/4	M20	52	65	78	60	75	90	22	33	55	26	39	65
1	M25	30	40	50	36	48	60	8	24	32	11	33	44
1 1/4	M32	16	24	32	18	27	36	7	14	21	8	16	24
1 1/2	M40	14	21	28	16	24	32	6	12	12	7	14	14
2	M50	12	12	18	14	14	21	5	5	10	6	6	12
2 1/2	M63	5	10	10	6	12	12	4	4	8	5	5	10

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100	
Terminal Block Size	1.5mm ²	← 125 →		61	x	x	x	x	x	x	x	x	x
	2.5mm ²	← 380 →			40	23	x	x	x	x	x	x	x
	4mm ²	← 380 →			157	45	25	x	x	x	x	x	x
	6mm ²	← 240 →						49	19	x	x	x	x
	10mm ²	← 192 →							48	15	x	x	x
	16mm ²	← 117 →								40	18	x	x
	35mm ²	← 29 →											19

- NOTES**
- For stainless steel 304 construction, substitute TN4X6 prefix with TN4X.
 - The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 - For applications requiring multiple terminal block configurations and ampacities, consult factory.
 - For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 - For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

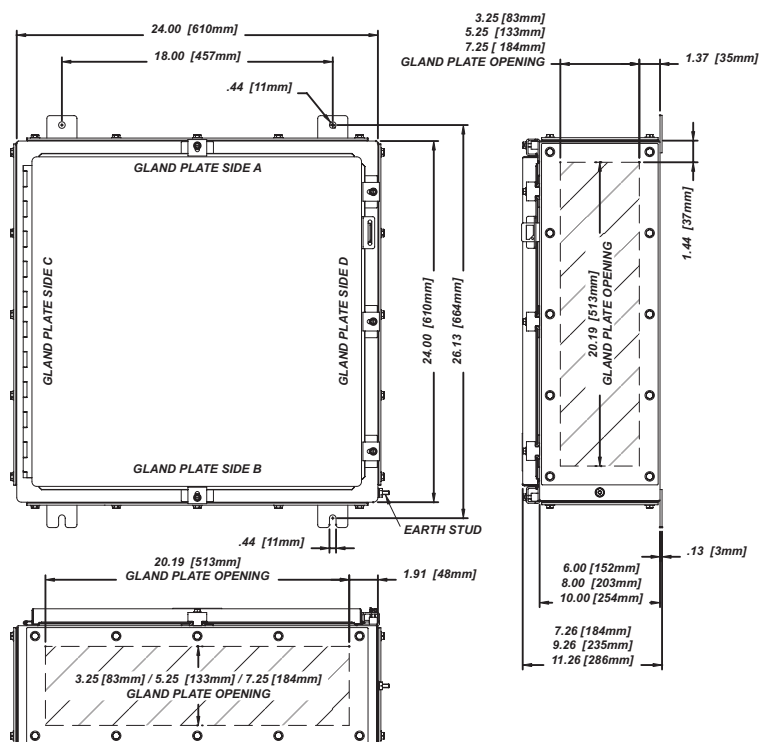
TERMINAL ENCLOSURES

TN Series

24" x 24" Clamped Door

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS		
	CATALOG NUMBER	GLAND PLATE
6" [152.4mm] Depth	TN4X6-242406	None
	TN4X6-242406-B	Side B
	TN4X6-242406-AB	Sides A & B
	TN4X6-242406-BCD	Sides B, C & D
	TN4X6-242406-ABCD	Sides A, B, C & D
8" [203.2mm] Depth	TN4X6-242408	None
	TN4X6-242408-B	Side B
	TN4X6-242408-AB	Sides A & B
	TN4X6-242408-BCD	Sides B, C & D
	TN4X6-242408-ABCD	Sides A, B, C & D
10" [254.0mm] Depth	TN4X6-242410	None
	TN4X6-242410-B	Side B
	TN4X6-242410-AB	Sides A & B
	TN4X6-242410-BCD	Sides B, C & D
	TN4X6-242410-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	95	114	152	90	108	144	32	64	96	32	64	96
3/4	M20	64	80	96	60	75	90	26	39	65	26	39	65
1	M25	39	52	65	36	48	60	11	33	44	11	33	44
1 1/4	M32	20	30	40	18	27	36	8	16	24	8	16	24
1 1/2	M40	18	27	36	16	24	32	7	14	14	7	14	14
2	M50	14	14	21	14	14	21	6	6	12	6	6	12
2 1/2	M63	6	12	12	6	12	12	5	5	10	5	5	10

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²		
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2		
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100		
Terminal Block Size	1.5mm ²	←134→		65	x	x	x	x	x	x	x	x	x	
	2.5mm ²	←475→			43	25	x	x	x	x	x	x	x	
	4mm ²	←475→			168	48	27	x	x	x	x	x	x	
	6mm ²	←300→						53	20	x	x	x	x	
	10mm ²	←240→							51	17	x	x	x	
	16mm ²	←117→									42	20	x	x
	35mm ²	← 58 →											20	

- NOTES**
1. For stainless steel 304 construction, substitute TN4X6 prefix with TN4X.
 2. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
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 4. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 5. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

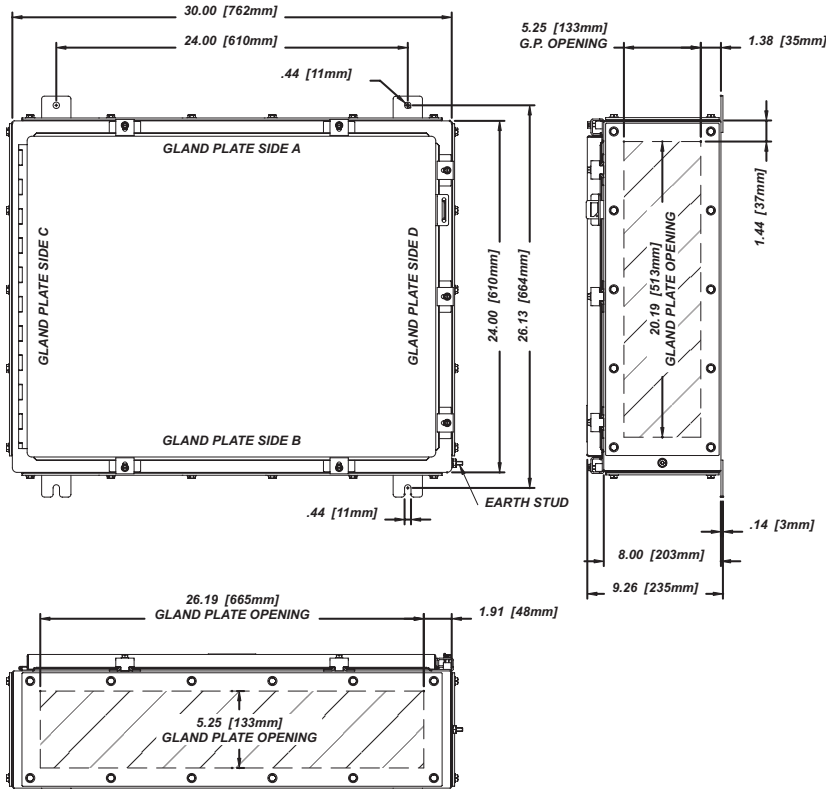
INCREASED SAFETY TERMINAL ENCLOSURES

TN Series 24" x 30" Clamped Door

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS		
8" [203.2mm] Depth	CATALOG NUMBER	GLAND PLATE
	TN4X6-243008	None
	TN4X6-243008-B	Side B
	TN4X6-243008-AB	Sides A & B
	TN4X6-243008-BCD	Sides B, C & D
	TN4X6-243008-ABCD	Sides A, B, C & D

INCREASED SAFETY
ENCLOSURES



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	-	84	-	-	64	-	-	144	-	-	108	-
3/4	M20	-	51	-	-	39	-	-	100	-	-	75	-
1	M25	-	42	-	-	33	-	-	64	-	-	48	-
1 1/4	M32	-	22	-	-	16	-	-	36	-	-	27	-
1 1/2	M40	-	20	-	-	14	-	-	33	-	-	24	-
2	M50	-	8	-	-	6	-	-	18	-	-	14	-
2 1/2	M63	-	7	-	-	5	-	-	14	-	-	12	-

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²	1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22	16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100
Terminal Block Size	1.5mm ²	← 143 →		69	x	x	x	x	x	x	x	x
	2.5mm ²	← 665 →			46	27	x	x	x	x	x	x
	4mm ²	← 665 →			179	52	29	x	x	x	x	x
	6mm ²	← 420 →					56	22	x	x	x	x
	10mm ²	← 288 →						55	18	x	x	x
	16mm ²	← 195 →							45	21	x	x
	35mm ²	← 87 →									84	22

- NOTES**
1. For stainless steel 304 construction, substitute TN4X6 prefix with TN4X.
 2. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 3. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 4. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 5. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

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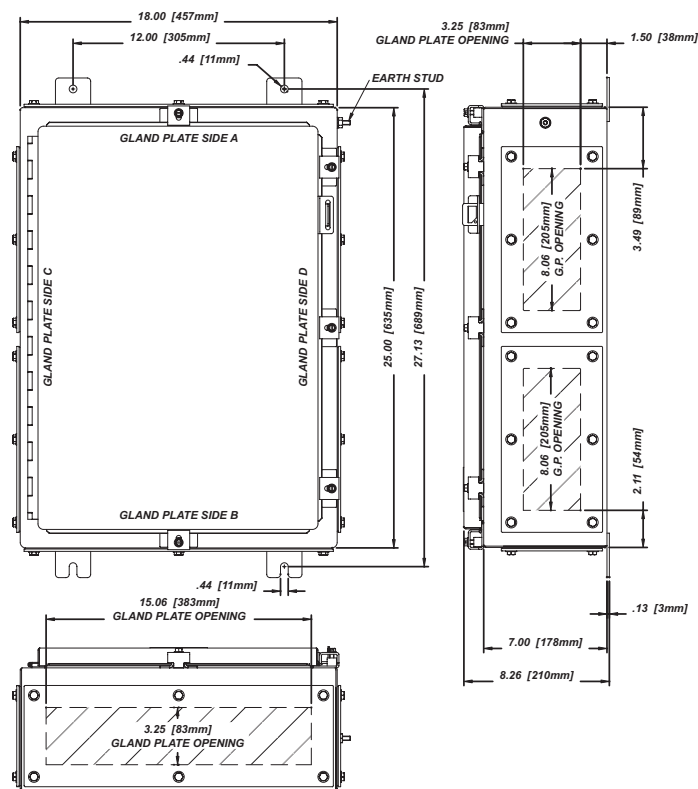
TERMINAL ENCLOSURES

TN Series

25" x 18" x 7" Clamped Door

STAINLESS STEEL 316L

7" [177.8mm] Depth	ENCLOSURES WITH TERMINALS	
	CATALOG NUMBER	GLAND PLATE
	TN4X6-251807	None
	TN4X6-251807-B	Side B
	TN4X6-251807-AB	Sides A & B
	TN4X6-251807-BCD	Sides B, C & D
	TN4X6-251807-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES		WITH GLAND PLATES	
NPT	Metric	Sides A & B	Sides C & D	Sides A & B	Sides C & D
1/2	M16	70	95	24	12
3/4	M20	48	64	20	10
1	M25	27	36	8	4
1 1/4	M32	14	20	6	3
1 1/2	M40	14	18	5	3
2	M50	10	14	4	2
2 1/2	M63	4	6	4	2

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²			
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2			
MAXIMUM AMPERAGE		3		8		10		16	20	25	35	50	63	80	100
Terminal Block Size	1.5mm	←121→		58		x	x	x	x	x	x	x	x	x	x
	2.5mm ²	←400→				39	22	x	x	x	x	x	x	x	x
	4mm ²	←400→				151	44	25	x	x	x	x	x	x	x
	6mm ²	←252→						48	18	x	x	x	x	x	x
	10mm ²	←150→							46	15	x	x	x	x	x
	16mm ²	←84→									38	18	x	x	x
	35mm ²					←31→									

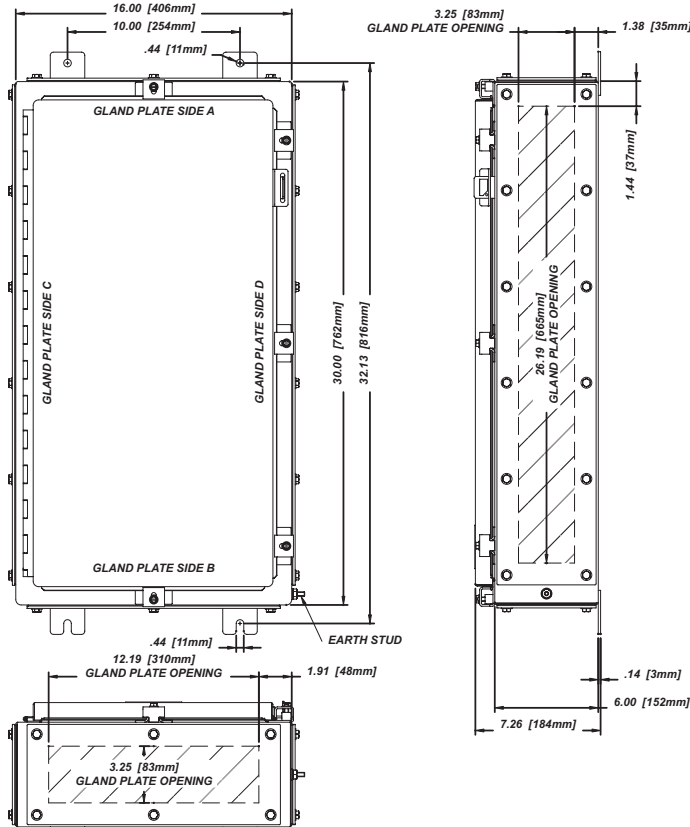
- NOTES**
1. For stainless steel 304 construction, substitute TN4X6 prefix with TN4X.
 2. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 3. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 4. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 5. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

INCREASED SAFETY TERMINAL ENCLOSURES

TN Series 30" x 16" Clamped Door

STAINLESS STEEL 316L

6" [152.4mm] Depth	ENCLOSURES WITH TERMINALS	
	CATALOG NUMBER	GLAND PLATE
	TN4X6-301606	None
	TN4X6-301606-B	Side B
	TN4X6-301606-AB	Sides A & B
	TN4X6-301606-BCD	Sides B, C & D
	TN4X6-301606-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
		Sides A & B			Sides C & D			Sides A & B			Sides C & D		
NPT	Metric	06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	65	-	-	120	-	-	18	-	-	42	-	-
3/4	M20	40	-	-	80	-	-	16	-	-	34	-	-
1	M25	24	-	-	48	-	-	6	-	-	14	-	-
1 1/4	M32	12	-	-	24	-	-	5	-	-	11	-	-
1 1/2	M40	12	-	-	22	-	-	4	-	-	10	-	-
2	M50	10	-	-	18	-	-	3	-	-	8	-	-
2 1/2	M63	4	-	-	7	-	-	3	-	-	7	-	-

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²		
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2		
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100		
Terminal Block Size	1.5mm ²	← 117 →		56	x	x	x	x	x	x	x	x	x	
	2.5mm ²	← 375 →			37	22	x	x	x	x	x	x	x	
	4mm ²	← 375 →			146	42	24	x	x	x	x	x	x	
	6mm ²	← 237 →					46	18	x	x	x	x	x	
	10mm ²	← 189 →						45	14	x	x	x	x	
	16mm ²	← 104 →								37	17	x	x	x
	35mm ²	← 39 →											18	

- NOTES**
- For stainless steel 304 construction, substitute TN4X6 prefix with TN4X.
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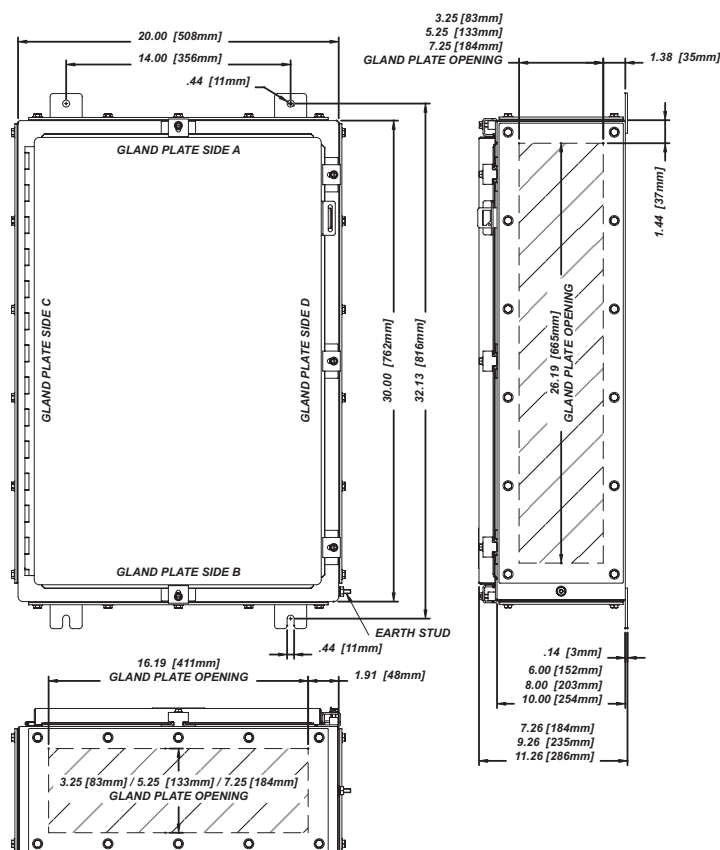
TERMINAL ENCLOSURES

TN Series

30" x 20" Clamped Door

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS		
Catalog Number	Gland Plate	
TN4X6-302006	None	
TN4X6-302006-B	Side B	
TN4X6-302006-AB	Sides A & B	
TN4X6-302006-BCD	Sides B, C & D	
TN4X6-302006-ABCD	Sides A, B, C & D	
TN4X6-302008	None	
TN4X6-302008-B	Side B	
TN4X6-302008-AB	Sides A & B	
TN4X6-302008-BCD	Sides B, C & D	
TN4X6-302008-ABCD	Sides A, B, C & D	
TN4X6-302010	None	
TN4X6-302010-B	Side B	
TN4X6-302010-AB	Sides A & B	
TN4X6-302010-BCD	Sides B, C & D	
TN4X6-302010-ABCD	Sides A, B, C & D	



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	80	96	128	120	144	192	26	52	78	42	84	126
3/4	M20	52	65	78	80	100	120	22	33	55	34	51	85
1	M25	30	40	50	48	64	80	8	24	32	14	42	56
1 1/4	M32	16	24	32	24	36	48	7	14	21	14	22	33
1 1/2	M40	14	21	28	22	33	44	6	12	12	10	20	30
2	M50	12	12	18	18	18	27	5	5	10	8	8	16
2 1/2	M63	5	10	10	7	14	14	4	4	8	7	7	14

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²	1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22	16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100
Terminal Block Size	1.5mm	←131→		64	x	x	x	x	x	x	x	x
	2.5mm ²	←500→			42	24	x	x	x	x	x	x
	4mm ²	←500→			165	47	27	x	x	x	x	x
	6mm ²	←316→					52	20	x	x	x	x
	10mm ²	←252→						50	16	x	x	x
	16mm ²	←156→							42	19	x	x
	35mm ²	← 39 →										20

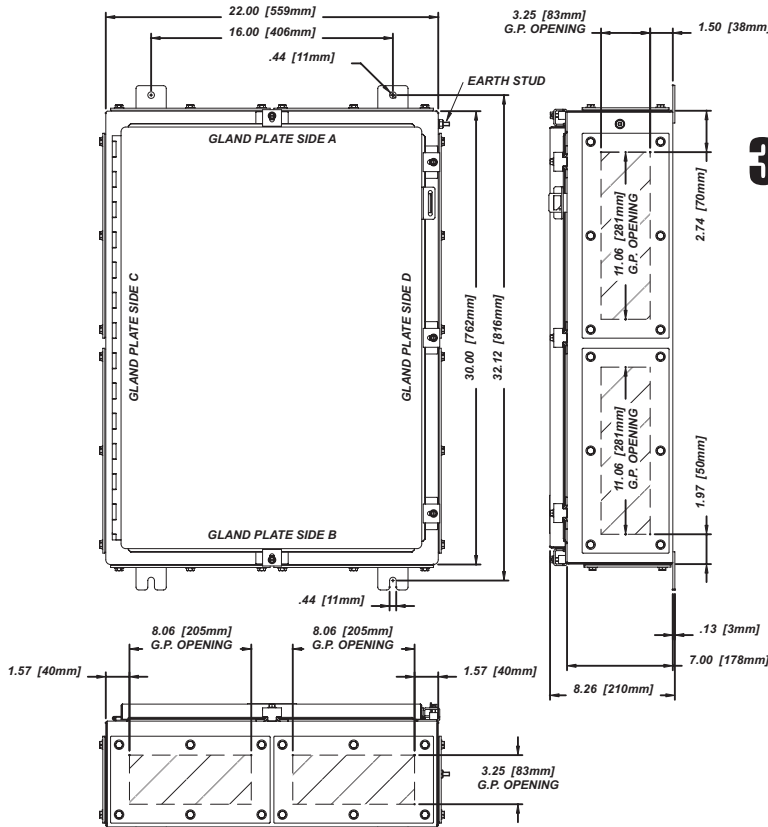
- NOTES**
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 2. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 3. For applications requiring multiple terminal block configurations and ampacities, consult factory.
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 5. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

INCREASED SAFETY TERMINAL ENCLOSURES

TN Series 30" x 22" x 7" Clamped Door

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS		
7" [177.8mm] Depth	CATALOG NUMBER	GLAND PLATE
	TN4X6-302207	None
	TN4X6-302207-B	Side B
	TN4X6-302207-AB	Sides A & B
	TN4X6-302207-BCD	Sides B, C & D
	TN4X6-302207-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES		WITH GLAND PLATES	
NPT	Metric	Sides A & B	Sides C & D	Sides A & B	Sides C & D
1/2	M16	85	115	12	18
3/4	M20	56	76	10	14
1	M25	48	60	4	6
1 1/4	M32	33	45	3	4
1 1/2	M40	18	24	3	4
2	M50	12	16	2	3
2 1/2	M63	5	7	2	3

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²		
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2		
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100		
Terminal Block Size	1.5mm ²	← 137 →		67	x	x	x	x	x	x	x	x	x	
	2.5mm ²	← 625 →			44	26	x	x	x	x	x	x	x	
	4mm ²	← 625 →			172	50	28	x	x	x	x	x	x	
	6mm ²	← 395 →						54	21	x	x	x	x	
	10mm ²	← 252 →							53	17	x	x	x	
	16mm ²	← 156 →									44	20	x	x
	35mm ²	← 78 →											21	

- NOTES**
- For stainless steel 304 construction, substitute TN4X6 prefix with TN4X.
 - The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 - For applications requiring multiple terminal block configurations and ampacities, consult factory.
 - For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 - For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

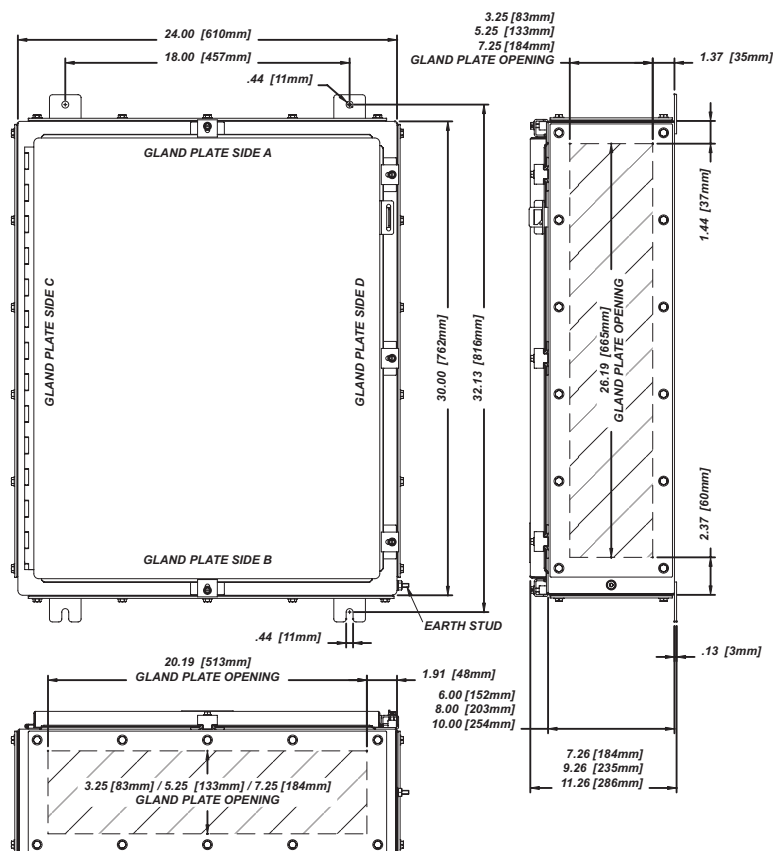
TERMINAL ENCLOSURES

TN Series

30" x 24" Clamped Door

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS		
	CATALOG NUMBER	GLAND PLATE
6" [152.4mm] Depth	TN4X6-302406	None
	TN4X6-302406-B	Side B
	TN4X6-302406-AB	Sides A & B
	TN4X6-302406-BCD	Sides B, C & D
	TN4X6-302406-ABCD	Sides A, B, C & D
8" [203.2mm] Depth	TN4X6-302408	None
	TN4X6-302408-B	Side B
	TN4X6-302408-AB	Sides A & B
	TN4X6-302408-BCD	Sides B, C & D
	TN4X6-302408-ABCD	Sides A, B, C & D
10" [254.0mm] Depth	TN4X6-302410	None
	TN4X6-302410-B	Side B
	TN4X6-302410-AB	Sides A & B
	TN4X6-302410-BCD	Sides B, C & D
	TN4X6-302410-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	95	114	152	115	138	184	32	64	96	42	84	126
3/4	M20	64	80	96	76	95	114	26	39	65	34	51	85
1	M25	39	52	65	45	60	75	11	33	44	14	42	56
1 1/4	M32	20	30	40	24	36	48	8	16	24	11	22	33
1 1/2	M40	18	27	36	22	33	44	7	14	21	10	20	20
2	M50	14	14	21	16	16	24	6	6	12	8	8	16
2 1/2	M63	6	12	12	7	14	14	5	5	10	7	7	14

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100	
Terminal Block Size	1.5mm	←143→		69	x	x	x	x	x	x	x	x	
	2.5mm ²	←625→			46	27	x	x	x	x	x	x	
	4mm ²	←625→			179	52	29	x	x	x	x	x	
	6mm ²	←395→					56	22	x	x	x	x	
	10mm ²	←315→						55	18	x	x	x	
	16mm ²	←156→							45	21	x	x	
	35mm ²	←78→										22	

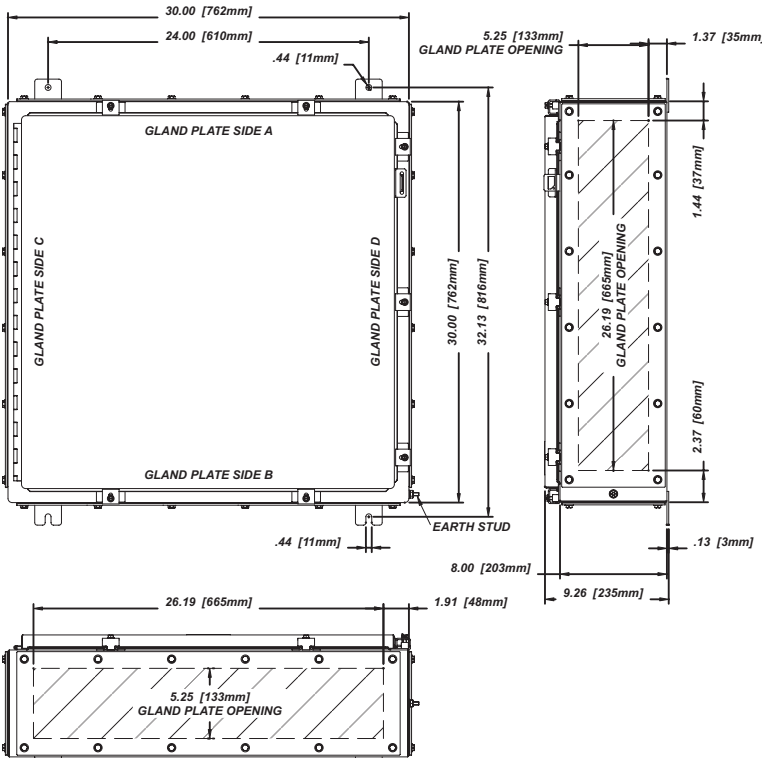
- NOTES**
1. For stainless steel 304 construction, substitute TN4X6 prefix with TN4X.
 2. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 3. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 4. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 5. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

INCREASED SAFETY TERMINAL ENCLOSURES

TN Series 30" x 30" Clamped Door

STAINLESS STEEL 316L

8" [203.2mm] Depth	ENCLOSURES WITH TERMINALS	
	CATALOG NUMBER	GLAND PLATE
	TN4X6-303008	None
	TN4X6-303008-B	Side B
	TN4X6-303008-AB	Sides A & B
	TN4X6-303008-BCD	Sides B, C & D
	TN4X6-303008-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
		Sides A & B			Sides C & D			Sides A & B			Sides C & D		
NPT	Metric	06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	-	144	-	-	138	-	-	84	-	-	84	-
3/4	M20	-	100	-	-	95	-	-	51	-	-	51	-
1	M25	-	64	-	-	60	-	-	42	-	-	42	-
1 1/4	M32	-	36	-	-	36	-	-	22	-	-	22	-
1 1/2	M40	-	33	-	-	33	-	-	20	-	-	20	-
2	M50	-	18	-	-	16	-	-	8	-	-	8	-
2 1/2	M63	-	14	-	-	14	-	-	7	-	-	7	-

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²		
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2		
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100		
Terminal Block Size	1.5mm ²	← 156 →		76	x	x	x	x	x	x	x	x	x	
	2.5mm ²	← 875 →			50	29	x	x	x	x	x	x	x	
	4mm ²	← 875 →			196	57	32	x	x	x	x	x	x	
	6mm ²	← 553 →					62	24	x	x	x	x	x	
	10mm ²	← 378 →						60	19	x	x	x	x	
	16mm ²	← 260 →								50	23	x	x	x
	35mm ²	← 117 →									92	24		

- NOTES**
1. For stainless steel 304 construction, substitute TN4X6 prefix with TN4X.
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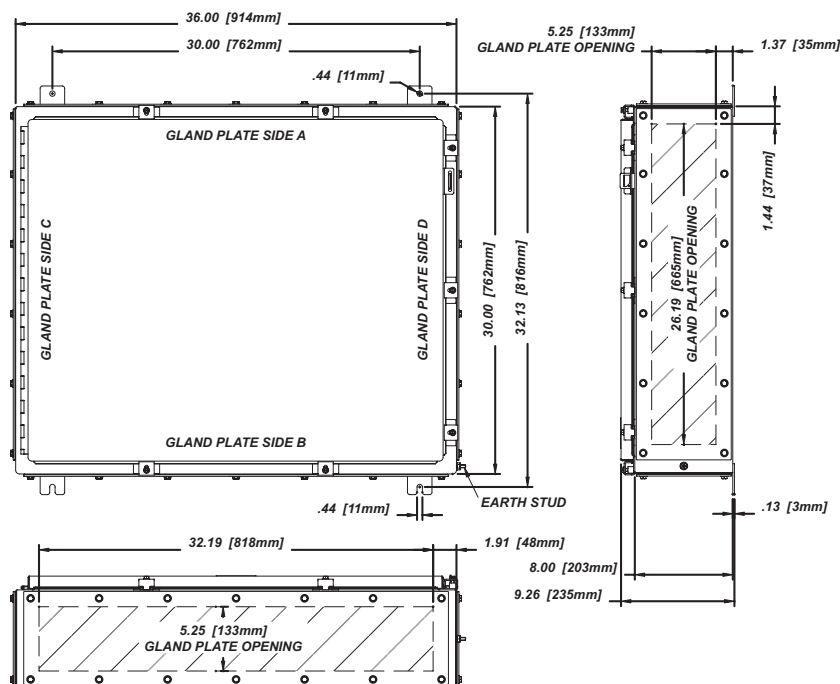
TERMINAL ENCLOSURES

TN Series

30" x 36" Clamped Door

STAINLESS STEEL 316L

8" [203.2mm] Depth	ENCLOSURES WITH TERMINALS	
	CATALOG NUMBER	GLAND PLATE
	TN4X6-303608	None
	TN4X6-303608-B	Side B
	TN4X6-303608-AB	Sides A & B
	TN4X6-303608-BCD	Sides B, C & D
	TN4X6-303608-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	-	174	-	-	168	-	-	100	-	-	84	-
3/4	M20	-	120	-	-	115	-	-	63	-	-	51	-
1	M25	-	76	-	-	72	-	-	51	-	-	42	-
1 1/4	M32	-	45	-	-	42	-	-	26	-	-	22	-
1 1/2	M40	-	39	-	-	39	-	-	24	-	-	20	-
2	M50	-	20	-	-	20	-	-	9	-	-	8	-
2 1/2	M63	-	18	-	-	18	-	-	8	-	-	7	-

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²		
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2		
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100		
Terminal Block Size	1.5mm ²	←161→		80	x	x	x	x	x	x	x	x	x	
	2.5mm ²	←1000→			53	31	x	x	x	x	x	x	x	
	4mm ²	←1000→			208	60	34	x	x	x	x	x	x	
	6mm ²	←632→					66	25	x	x	x	x	x	
	10mm ²	←441→						64	21	x	x	x	x	
	16mm ²	←312→								53	24	x	x	x
	35mm ²	←117→										97	25	

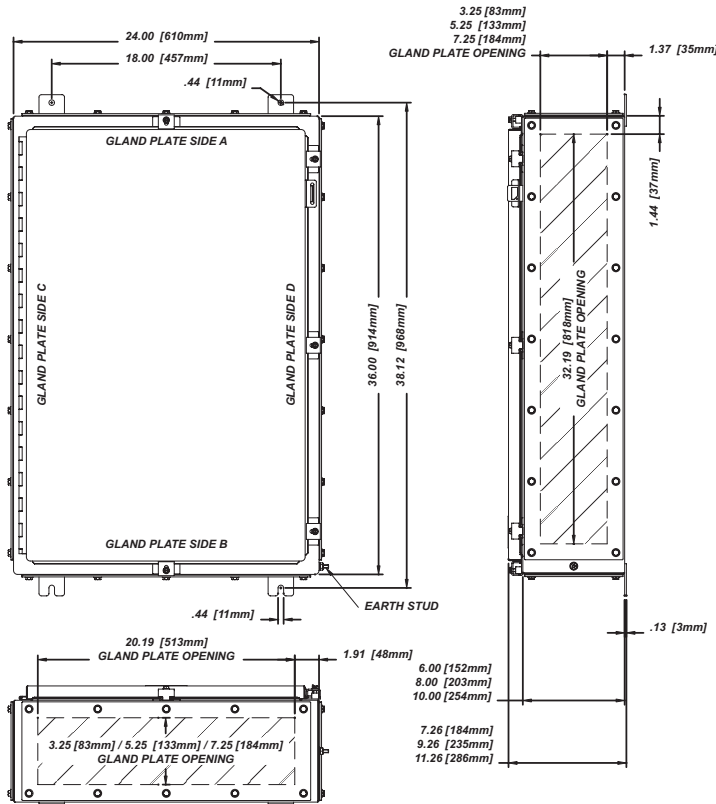
- NOTES**
1. For stainless steel 304 construction, substitute TN4X6 prefix with TN4X.
 2. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
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 4. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 5. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

INCREASED SAFETY TERMINAL ENCLOSURES

TN Series 36" x 24" Clamped Door

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS		
Catalog Number		Gland Plate
6" [152.4mm] Depth	TN4X6-362406	None
	TN4X6-362406-B	Side B
	TN4X6-362406-AB	Sides A & B
	TN4X6-362406-BCD	Sides B, C & D
	TN4X6-362406-ABCD	Sides A, B, C & D
8" [203.2mm] Depth	TN4X6-362408	None
	TN4X6-362408-B	Side B
	TN4X6-362408-AB	Sides A & B
	TN4X6-362408-BCD	Sides B, C & D
	TN4X6-362408-ABCD	Sides A, B, C & D
10" [254.0mm] Depth	TN4X6-362410	None
	TN4X6-362410-B	Side B
	TN4X6-362410-AB	Sides A & B
	TN4X6-362410-BCD	Sides B, C & D
	TN4X6-362410-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	95	114	152	140	168	204	32	64	96	50	100	150
3/4	M20	64	80	96	92	115	138	26	39	65	42	63	105
1	M25	35	52	65	54	72	90	11	33	44	17	51	68
1 1/4	M32	20	30	40	28	42	56	8	16	24	13	26	39
1 1/2	M40	18	27	36	26	39	52	7	14	14	12	24	24
2	M50	14	14	21	20	20	30	6	6	12	9	9	18
2 1/2	M63	6	12	12	9	18	18	5	5	10	8	8	16

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²				
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2				
MAXIMUM AMPERAGE		3		8		10		16	20	25	35	50	63	80	100	
Terminal Block Size	1.5mm ²	← 149 →		72		x	x	x	x	x	x	x	x	x	x	
	2.5mm ²	← 780 →				48	28	x	x	x	x	x	x	x	x	
	4mm ²	← 780 →				187	54	30	x	x	x	x	x	x	x	
	6mm ²	← 495 →						59	23	x	x	x	x	x	x	
	10mm ²	← 300 →							57	18	x	x	x	x	x	
	16mm ²	← 195 →									47	22	x	x	x	x
	35mm ²	← 96 →										88	23	x	x	x

- NOTES**
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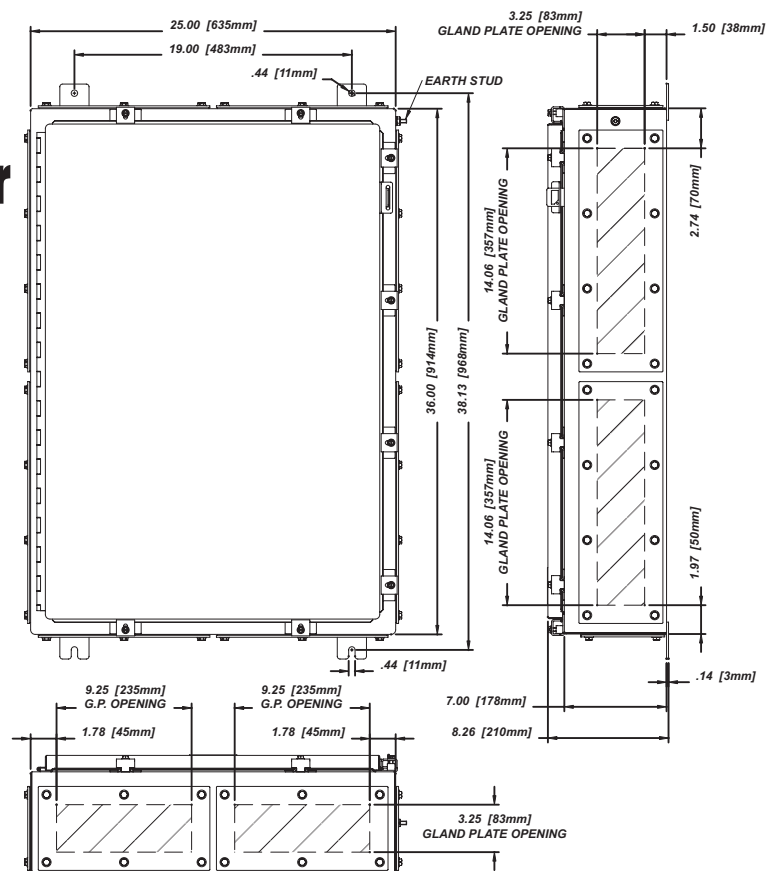
TERMINAL ENCLOSURES

TN Series

36" x 25" x 7" Clamped Door

STAINLESS STEEL 316L

7" [177.8mm] Depth	ENCLOSURES WITH TERMINALS	
	CATALOG NUMBER	GLAND PLATE
	TN4X6-362507	None
	TN4X6-362507-B	Side B
	TN4X6-362507-AB	Sides A & B
	TN4X6-362507-BCD	Sides B, C & D
	TN4X6-362507-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES		WITH GLAND PLATES	
NPT	Metric	Sides A & B	Sides C & D	Sides A & B	Sides C & D
1/2	M16	100	140	14	22
3/4	M20	64	92	12	18
1	M25	39	54	5	7
1 1/4	M32	20	28	4	6
1 1/2	M40	18	26	3	5
2	M50	14	20	3	4
2 1/2	M63	6	9	2	3

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²		
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2		
MAXIMUM AMPERAGE		3		8	10	16	20	25	35	50	63	80	100	
Terminal Block Size	1.5mm ²	←152→			74	x	x	x	x	x	x	x	x	
	2.5mm ²	←936→				49	28	x	x	x	x	x	x	
	4mm ²	←936→				190	55	31	x	x	x	x	x	
	6mm ²	←594→							60	28	x	x	x	x
	10mm ²	←390→								58	19	x	x	x
	16mm ²	←260→									48	27	x	x
	35mm ²	← 96 →										89	23	

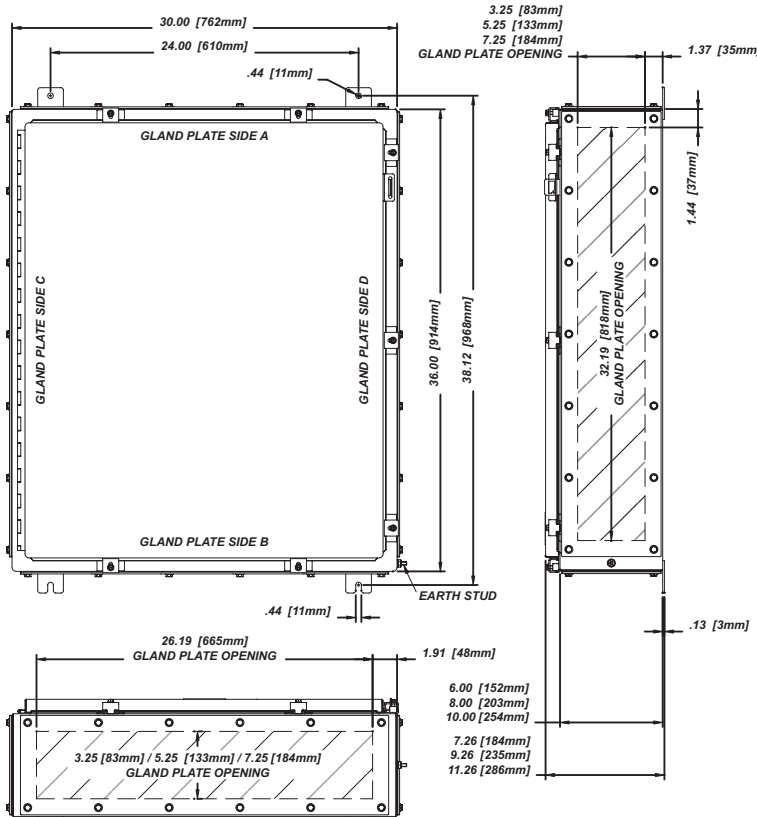
- NOTES**
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 - For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
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TERMINAL ENCLOSURES

TN Series

36" x 30" Clamped Door

STAINLESS STEEL 316L

INCREASED SAFETY
ENCLOSURES

ENCLOSURES WITH TERMINALS		
	CATALOG NUMBER	GLAND PLATE
6" [152.4mm] Depth	TN4X6-363006	None
	TN4X6-363006-B	Side B
	TN4X6-363006-AB	Sides A & B
	TN4X6-363006-BCD	Sides B, C & D
	TN4X6-363006-ABCD	Sides A, B, C & D
8" [203.2mm] Depth	TN4X6-363008	None
	TN4X6-363008-B	Side B
	TN4X6-363008-AB	Sides A & B
	TN4X6-363008-BCD	Sides B, C & D
	TN4X6-363008-ABCD	Sides A, B, C & D
10" [254.0mm] Depth	TN4X6-363010	None
	TN4X6-363010-B	Side B
	TN4X6-363010-AB	Sides A & B
	TN4X6-363010-BCD	Sides B, C & D
	TN4X6-363010-ABCD	Sides A, B, C & D

MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	120	144	192	140	168	224	42	84	126	50	100	150
3/4	M20	80	100	120	92	115	138	34	51	85	42	63	105
1	M25	48	64	80	54	72	90	14	42	56	17	51	68
1 1/4	M32	24	36	48	28	42	56	11	22	33	13	26	39
1 1/2	M40	22	33	44	26	39	52	10	20	20	12	24	24
2	M50	18	18	27	20	20	30	8	8	16	9	9	18
2 1/2	M63	7	14	14	9	18	18	7	7	14	8	8	16

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²		
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2		
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100		
Terminal Block Size	1.5mm ²	←161→		80	x	x	x	x	x	x	x	x	x	
	2.5mm ²	←1092→			53	31	x	x	x	x	x	x	x	
	4mm ²	←1092→			208	60	34	x	x	x	x	x	x	
	6mm ²	←693→					66	25	x	x	x	x	x	
	10mm ²	←468→						64	21	x	x	x	x	
	16mm ²	←325→								53	24	x	x	x
	35mm ²	←144→									97	25		

- NOTES**
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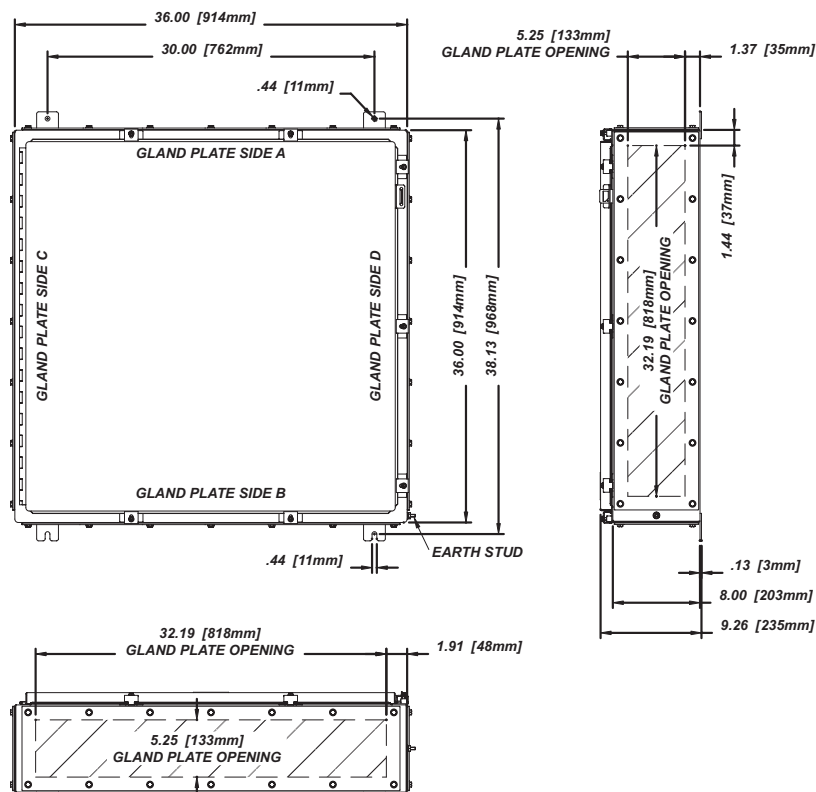
TERMINAL ENCLOSURES

TN Series

36" x 36" Clamped Door

STAINLESS STEEL 316L

8" (203.2mm) Depth	ENCLOSURES WITH TERMINALS	
	CATALOG NUMBER	GLAND PLATE
	TN4X6-363608	None
	TN4X6-363608-B	Side B
	TN4X6-363608-AB	Sides A & B
	TN4X6-363608-BCD	Sides B, C & D
	TN4X6-363608-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	-	174	-	-	168	-	-	100	-	-	100	-
3/4	M20	-	120	-	-	115	-	-	63	-	-	63	-
1	M25	-	76	-	-	72	-	-	51	-	-	51	-
1 1/4	M32	-	45	-	-	42	-	-	26	-	-	26	-
1 1/2	M40	-	39	-	-	39	-	-	24	-	-	24	-
2	M50	-	20	-	-	20	-	-	9	-	-	9	-
2 1/2	M63	-	18	-	-	18	-	-	8	-	-	8	-

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100	
Terminal Block Size	1.5mm ²	←179→		87	x	x	x	x	x	x	x	x	
	2.5mm ²	←1248→			57	33	x	x	x	x	x	x	
	4mm ²	←1248→			224	65	37	x	x	x	x	x	
	6mm ²	←792→					71	27	x	x	x	x	
	10mm ²	←546→							69	22	x	x	x
	16mm ²	←390→								57	26	x	x
	35mm ²	←144→										105	27

- NOTES**
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INCREASED SAFETY TERMINAL ENCLOSURES

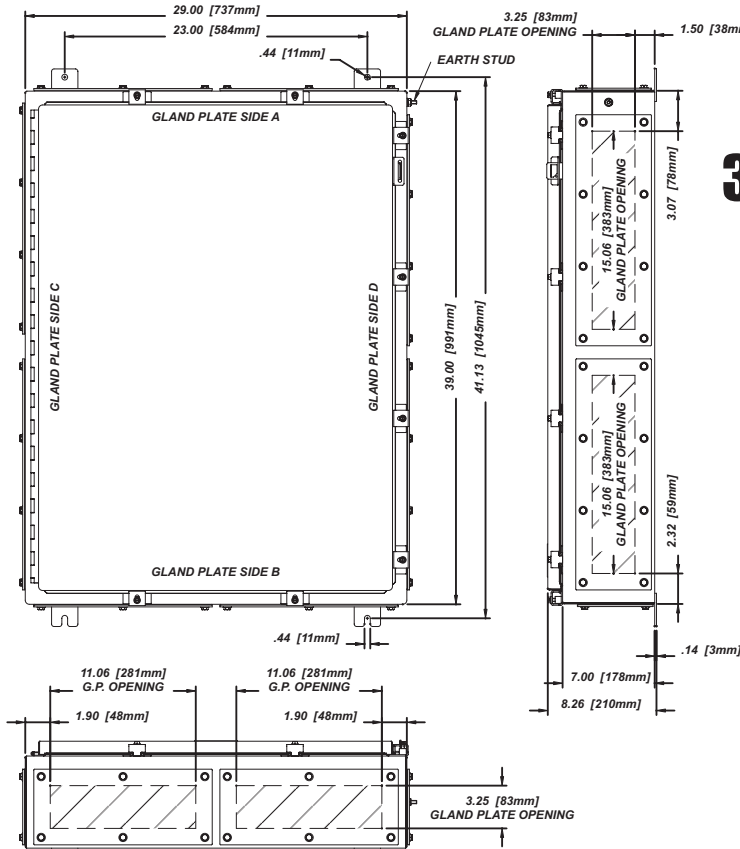
TN Series

39" x 29" x 7" Clamped Door

STAINLESS STEEL 316L

7" [177.8mm] Depth	ENCLOSURES WITH TERMINALS	
	CATALOG NUMBER	GLAND PLATE
	TN4X6-392907	None
	TN4X6-392907-B	Side B
	TN4X6-392907-AB	Sides A & B
	TN4X6-392907-BCD	Sides B, C & D
	TN4X6-392907-ABCD	Sides A, B, C & D

INCREASED SAFETY
ENCLOSURES



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES		WITH GLAND PLATES	
NPT	Metric	Sides A & B	Sides C & D	Sides A & B	Sides C & D
1/2	M16	115	150	18	24
3/4	M20	76	100	14	20
1	M25	45	60	6	8
1 1/4	M32	24	32	4	6
1 1/2	M40	22	28	4	5
2	M50	16	22	3	4
2 1/2	M63	7	10	3	4

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²			
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2			
MAXIMUM AMPERAGE		3		8		10		16	20	25	35	50	63	80	100
Terminal Block Size	1.5mm ²	← 167 →		81		x	x	x	x	x	x	x	x	x	x
	2.5mm ²	← 1197 →				54	31	x	x	x	x	x	x	x	x
	4mm ²	← 1197 →				209	60	34	x	x	x	x	x	x	x
	6mm ²	← 756 →							66	26	x	x	x	x	x
	10mm ²	← 516 →							64		21	x	x	x	x
	16mm ²	← 284 →									53	24	x	x	x
	35mm ²	← 106 →											98		26

- NOTES**
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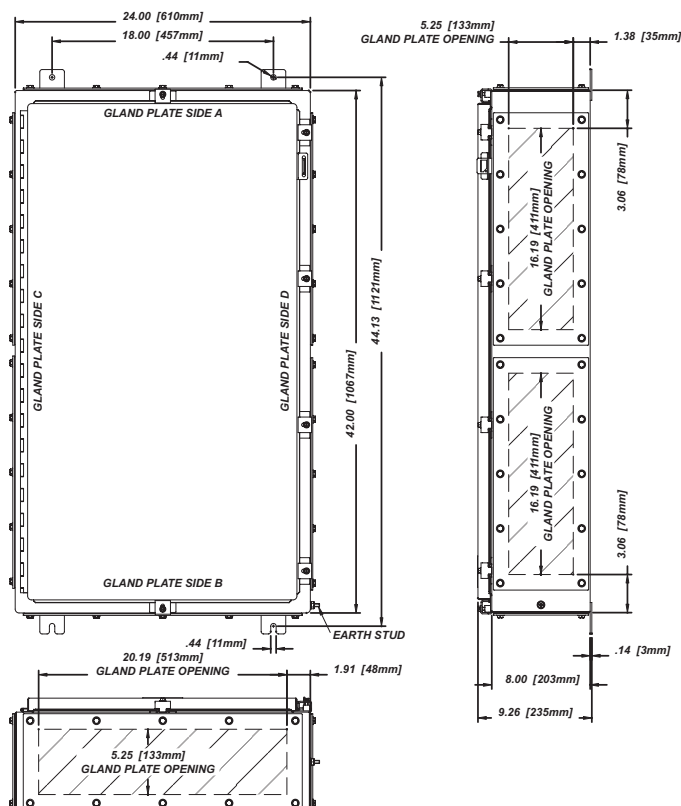
TERMINAL ENCLOSURES

TN Series

42" x 24" Clamped Door

STAINLESS STEEL 316L

8" [203.2mm] Depth	ENCLOSURES WITH TERMINALS	
	CATALOG NUMBER	GLAND PLATE
	TN4X6-422408	None
	TN4X6-422408-B	Side B
	TN4X6-422408-AB	Sides A & B
	TN4X6-422408-BCD	Sides B, C & D
	TN4X6-422408-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	-	114	-	-	192	-	-	64	-	-	52	-
3/4	M20	-	80	-	-	135	-	-	39	-	-	33	-
1	M25	-	52	-	-	88	-	-	33	-	-	24	-
1 1/4	M32	-	30	-	-	51	-	-	16	-	-	14	-
1 1/2	M40	-	27	-	-	45	-	-	14	-	-	12	-
2	M50	-	14	-	-	24	-	-	6	-	-	5	-
2 1/2	M63	-	12	-	-	20	-	-	5	-	-	4	-

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²		
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2		
MAXIMUM AMPERAGE		3		8	10	16	20	25	35	50	63	80	100	
Terminal Block Size	1.5mm ²	←153→			74	x	x	x	x	x	x	x	x	
	2.5mm ²	←930→				49	29	x	x	x	x	x	x	
	4mm ²	←930→				191	55	31	x	x	x	x	x	
	6mm ²	←590→						60	28	x	x	x	x	
	10mm ²	←470→							59	19	x	x	x	
	16mm ²	←234→									49	22	x	x
	35mm ²	←116→												90

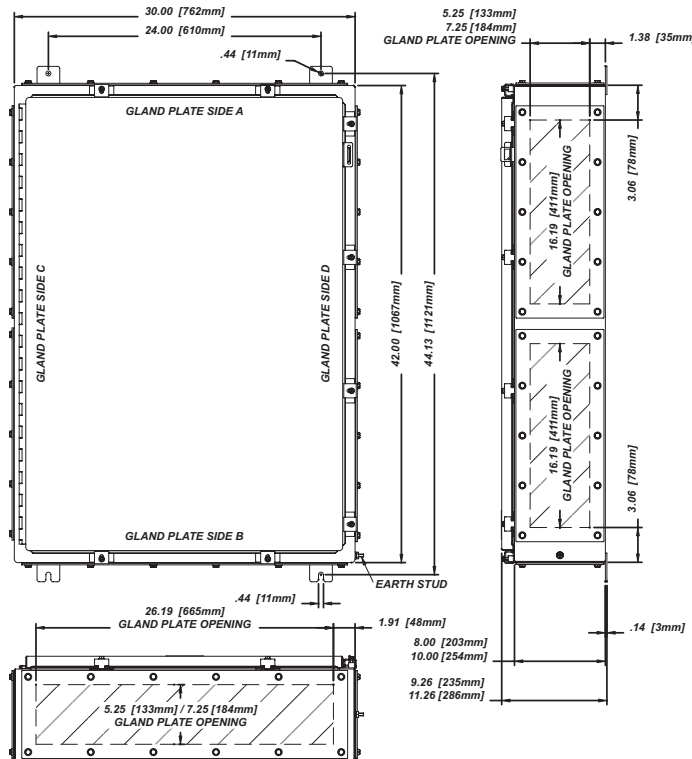
- NOTES**
1. For stainless steel 304 construction, substitute TN4X6 prefix with TN4X.
 2. The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
 3. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 4. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 5. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

INCREASED SAFETY TERMINAL ENCLOSURES

TN Series 42" x 30" Clamped Door

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS	
CATALOG NUMBER	GLAND PLATE
TN4X6-423008	None
TN4X6-423008-B	Side B
TN4X6-423008-AB	Sides A & B
TN4X6-423008-BCD	Sides B, C & D
TN4X6-423008-ABCD	Sides A, B, C & D
TN4X6-423010	None
TN4X6-423010-B	Side B
TN4X6-423010-AB	Sides A & B
TN4X6-423010-BCD	Sides B, C & D
TN4X6-423010-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	-	144	192	-	192	256	-	84	126	-	52	78
3/4	M20	-	100	120	-	135	162	-	51	85	-	33	55
1	M25	-	64	80	-	88	110	-	42	56	-	24	32
1 1/4	M32	-	36	48	-	51	68	-	22	33	-	14	21
1 1/2	M40	-	33	44	-	45	60	-	20	20	-	12	12
2	M50	-	18	27	-	24	36	-	8	20	-	5	10
2 1/2	M63	-	14	14	-	20	20	-	7	14	-	4	8

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²		
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2		
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100		
Terminal Block Size	1.5mm ²	←172→		84	x	x	x	x	x	x	x	x	x	
	2.5mm ²	←1302→			55	32	x	x	x	x	x	x	x	
	4mm ²	←1302→			216	63	35	x	x	x	x	x	x	
	6mm ²	←826→					68	27	x	x	x	x	x	
	10mm ²	←564→						66	21	x	x	x	x	
	16mm ²	←390→								55	25	x	x	x
	35mm ²	←174→										101	27	

- NOTES**
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 3. For applications requiring multiple terminal block configurations and ampacities, consult factory.
 4. For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 5. For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

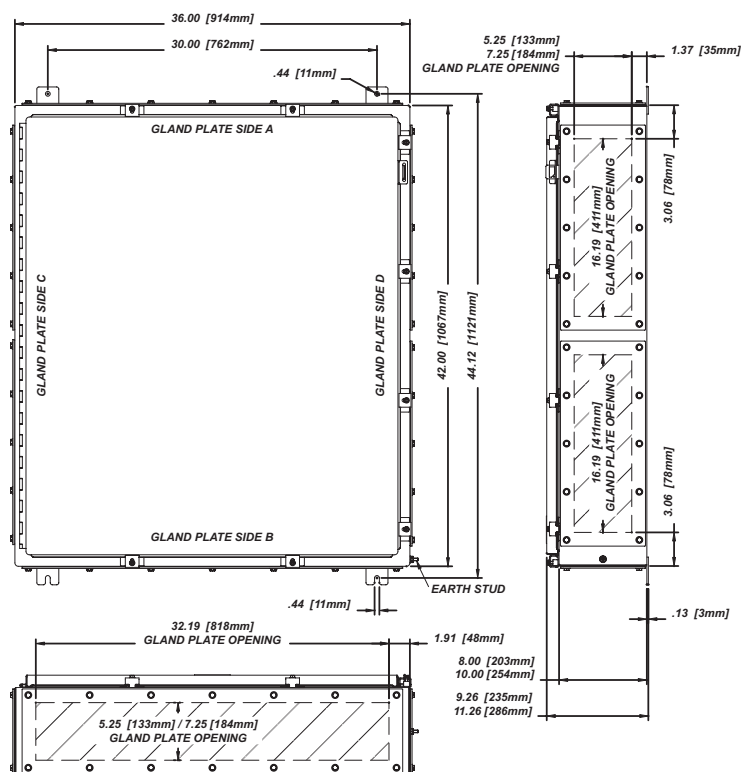
TERMINAL ENCLOSURES

TN Series

42" x 36" Clamped Door

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS		
	CATALOG NUMBER	GLAND PLATE
Depth 8" [203.2mm]	TN4X6-423608	None
	TN4X6-423608-B	Side B
	TN4X6-423608-AB	Sides A & B
	TN4X6-423608-BCD	Sides B, C & D
	TN4X6-423608-ABCD	Sides A, B, C & D
Depth 10" [254.0mm]	TN4X6-423610	None
	TN4X6-423610-B	Side B
	TN4X6-423610-AB	Sides A & B
	TN4X6-423610-BCD	Sides B, C & D
	TN4X6-423610-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	-	174	232	-	192	256	-	100	150	-	52	78
3/4	M20	-	120	144	-	135	162	-	63	105	-	33	55
1	M25	-	76	95	-	88	110	-	51	68	-	24	32
1 1/4	M32	-	45	60	-	51	68	-	26	39	-	14	21
1 1/2	M40	-	39	52	-	45	60	-	24	24	-	12	12
2	M50	-	20	30	-	24	36	-	9	18	-	5	10
2 1/2	M63	-	18	18	-	20	20	-	8	16	-	4	8

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100	
Terminal Block Size	1.5mm ²	←188→		91	x	x	x	x	x	x	x	x	x
	2.5mm ²	←1488→			61	35	x	x	x	x	x	x	x
	4mm ²	←1488→			236	68	39	x	x	x	x	x	x
	6mm ²	←944→					75	28	x	x	x	x	x
	10mm ²	←658→						72	23	x	x	x	x
	16mm ²	←468→							60	28	x	x	x
	35mm ²	←174→										111	29

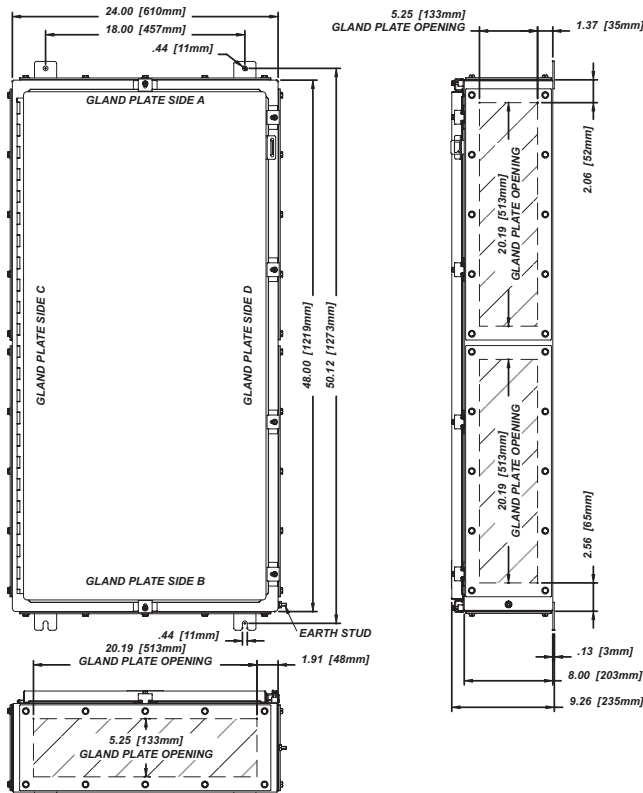
- NOTES**
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 - For applications requiring multiple terminal block configurations and ampacities, consult factory.
 - For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
 - For conduit/cable spacings, wire bending and wire conversion guidelines, refer to the inside back cover of this catalog.

INCREASED SAFETY TERMINAL ENCLOSURES

TN Series 48" x 24" Clamped Door

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS		
8" [203.2mm] Depth	CATALOG NUMBER	GLAND PLATE
	TN4X6-482408	None
	TN4X6-482408-B	Side B
	TN4X6-482408-AB	Sides A & B
	TN4X6-482408-BCD	Sides B, C & D
	TN4X6-482408-ABCD	Sides A, B, C & D



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES ⁶					
Sides A & B / Sides C & D		Sides A & B						Sides C & D					
NPT	Metric	06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	-	114	-	-	222	-	-	64	-	-	64	-
3/4	M20	-	80	-	-	155	-	-	39	-	-	39	-
1	M25	-	52	-	-	100	-	-	33	-	-	33	-
1 1/4	M32	-	30	-	-	57	-	-	16	-	-	16	-
1 1/2	M40	-	27	-	-	54	-	-	14	-	-	14	-
2	M50	-	14	-	-	28	-	-	6	-	-	6	-
2 1/2	M63	-	12	-	-	24	-	-	5	-	-	5	-

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100	
Terminal Block Size	1.5mm ²	← 155 →		75	x	x	x	x	x	x	x	x	x
	2.5mm ²	← 1085 →			50	29	x	x	x	x	x	x	x
	4mm ²	← 1085 →			195	56	32	x	x	x	x	x	x
	6mm ²	← 685 →						61	24	x	x	x	x
	10mm ²	← 545 →							60	19	x	x	x
	16mm ²	← 273 →								49	23	x	x
	35mm ²	← 134 →										91	24

- NOTES**
- For stainless steel 304 construction, substitute TN4X6 prefix with TN4X.
 - The maximum terminal block content is based on vertical rail installation. For horizontal installations, consult factory.
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 - For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
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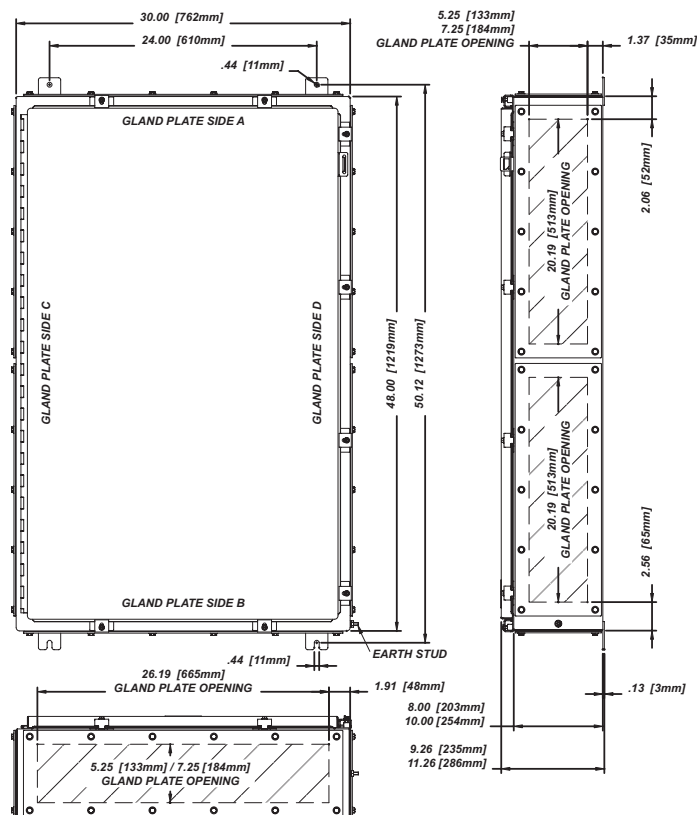
TERMINAL ENCLOSURES

TN Series

48" x 30" Clamped Door

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS		
CATALOG NUMBER	GLAND PLATE	
TN4X6-483008	None	
TN4X6-483008-B	Side B	
TN4X6-483008-AB	Sides A & B	
TN4X6-483008-BCD	Sides B, C & D	
TN4X6-483008-ABCD	Sides A, B, C & D	
TN4X6-483010	None	
TN4X6-483010-B	Side B	
TN4X6-483010-AB	Sides A & B	
TN4X6-483010-BCD	Sides B, C & D	
TN4X6-483010-ABCD	Sides A, B, C & D	



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	-	144	192	-	222	296	-	84	126	-	64	96
3/4	M20	-	100	120	-	155	186	-	51	85	-	39	65
1	M25	-	64	80	-	100	125	-	42	56	-	33	44
1 1/4	M32	-	36	48	-	57	76	-	22	33	-	16	24
1 1/2	M40	-	33	44	-	54	72	-	20	20	-	14	14
2	M50	-	18	27	-	28	42	-	8	16	-	6	12
2 1/2	M63	-	14	14	-	24	24	-	7	14	-	5	10

MAXIMUM TERMINAL BLOCK CONTENT

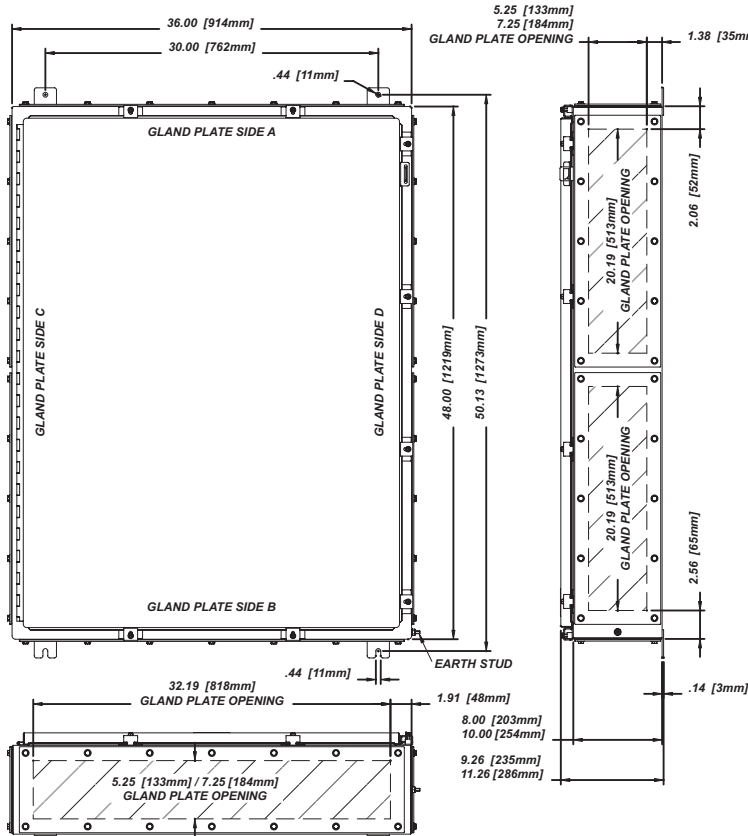
MIN CONDUCTOR SIZE		.5mm ²	1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22	16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100
Terminal Block Size	1.5mm ²	←177→		86	x	x	x	x	x	x	x	x
	2.5mm ²	←1519→			57	33	x	x	x	x	x	x
	4mm ²	←1519→			222	64	36	x	x	x	x	x
	6mm ²	←959→					70	27	x	x	x	x
	10mm ²	←654→						68	22	x	x	x
	16mm ²	←455→							56	26	x	x
	35mm ²	←201→									104	27

- NOTES**
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 - For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
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TERMINAL ENCLOSURES

TN Series

48" x 36" Clamped Door

INCREASED SAFETY
ENCLOSURES

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS		
Depth	CATALOG NUMBER	GLAND PLATE
8" [203.2mm]	TN4X6-483608	None
	TN4X6-483608-B	Side B
	TN4X6-483608-AB	Sides A & B
	TN4X6-483608-BCD	Sides B, C & D
	TN4X6-483608-ABCD	Sides A, B, C & D
10" [254.0mm]	TN4X6-483610	None
	TN4X6-483610-B	Side B
	TN4X6-483610-AB	Sides A & B
	TN4X6-483610-BCD	Sides B, C & D
	TN4X6-483610-ABCD	Sides A, B, C & D

MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	-	174	232	-	222	296	-	100	150	-	64	96
3/4	M20	-	120	144	-	155	186	-	63	105	-	39	65
1	M25	-	76	95	-	100	125	-	51	68	-	33	44
1 1/4	M32	-	45	60	-	57	76	-	26	39	-	16	24
1 1/2	M40	-	39	52	-	54	72	-	24	24	-	14	14
2	M50	-	20	30	-	28	42	-	9	18	-	6	12
2 1/2	M63	-	18	18	-	24	24	-	8	16	-	5	10

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²		1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²			
MIN CONDUCTOR SIZE AWG		22		16		14		12	10	8	6	2			
MAXIMUM AMPERAGE		3		8	10	16	20	25	35	50	63	80	100		
Terminal Block Size	1.5mm ²	←196→			95	x	x	x	x	x	x	x	x		
	2.5mm ²	←1736→				63	37	x	x	x	x	x	x		
	4mm ²	←1736→				245	71	40	x	x	x	x	x		
	6mm ²	←1096→							77	30	x	x	x	x	
	10mm ²	←763→								75	24	x	x	x	
	16mm ²	←546→										62	29	x	x
	35mm ²	←201→											115	30	

- NOTES**
- For stainless steel 304 construction, substitute TN4X6 prefix with TN4X.
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 - For applications requiring larger terminal blocks or custom enclosure sizes, consult factory.
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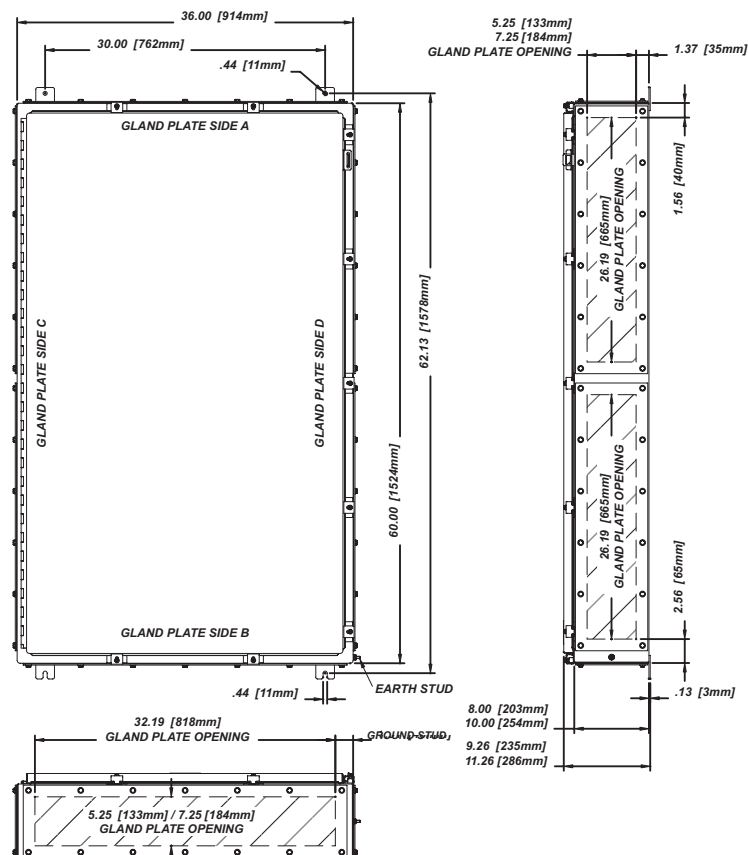
TERMINAL ENCLOSURES

TN Series

60" x 36" Clamped Door

STAINLESS STEEL 316L

ENCLOSURES WITH TERMINALS		
Catalog Number	Gland Plate	
TN4X6-603608	None	
TN4X6-603608-B	Side B	
TN4X6-603608-AB	Sides A & B	
TN4X6-603608-BCD	Sides B, C & D	
TN4X6-603608-ABCD	Sides A, B, C & D	
TN4X6-603610	None	
TN4X6-603610-B	Side B	
TN4X6-603610-AB	Sides A & B	
TN4X6-603610-BCD	Sides B, C & D	
TN4X6-603610-ABCD	Sides A, B, C & D	



MAXIMUM NUMBER OF CABLE/CONDUIT ENTRIES

SIZE		WITHOUT GLAND PLATES						WITH GLAND PLATES					
NPT	Metric	Sides A & B			Sides C & D			Sides A & B			Sides C & D		
		06	08	10	06	08	10	06	08	10	06	08	10
1/2	M16	-	174	232	-	282	376	-	100	150	-	84	126
3/4	M20	-	120	144	-	195	234	-	63	105	-	51	85
1	M25	-	76	95	-	124	155	-	51	68	-	42	56
1 1/4	M32	-	45	60	-	72	96	-	26	39	-	22	33
1 1/2	M40	-	39	52	-	66	88	-	24	24	-	20	30
2	M50	-	20	30	-	34	51	-	9	18	-	8	16
2 1/2	M63	-	18	18	-	14	30	-	8	16	-	7	14

MAXIMUM TERMINAL BLOCK CONTENT

MIN CONDUCTOR SIZE		.5mm ²	1.5mm ²		2.5mm ²		4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	
MIN CONDUCTOR SIZE AWG		22	16		14		12	10	8	6	2	
MAXIMUM AMPERAGE		3	8	10	16	20	25	35	50	63	80	100
Terminal Block Size	1.5mm ²	←206→		100	x	x	x	x	x	x	x	x
	2.5mm ²	←2224→			66	39	x	x	x	x	x	x
	4mm ²	←2224→			258	75	47	x	x	x	x	x
	6mm ²	←1408→					81	32	x	x	x	x
	10mm ²	←980→						79	26	x	x	x
	16mm ²	←696→							68	30	x	x
	35mm ²	←258→									121	32

- NOTES**
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 - There are (2) gland plates on each side, quantity shown is for (1) plate.

TN Series Enclosures - Empty

Adalet's Empty Single Door Clamped Enclosures are available in Stainless Steel 316L & 304. Adalet can also supply custom size enclosures, operators, and components to suit your Increased Safety Application. Silicone gaskets, removable hinge pin, box & cover ground studs including an external earthing stud and internal standoffs for mounting panels are standard.

STANDARD FEATURES

- 68 standard enclosure sizes, available in SS316L or SS304.
- Folded lip around door opening for complete and maximum gasket contact
- Continuously welded seams and ground smooth
- Silicone cover gasket
- Hinge - continuous piano type, with removable stainless steel pin
- Ground studs - on door and box, including an external ground stud
- Welded on external mounting feet
- Padlock hasp for padlocking

DESIGN OPTIONS

- Gland plates, pre-drilled or blank for field drilling
- Cable glands, stopping plugs, reducers, adaptors installation
- Terminal rail assemblies - any Exe terminal block
- Breather/drain
- Custom polyester powder coating and painting
- Mounting pans
- Custom size enclosures and gland plates

MATERIAL

ENCLOSURE	TN4X Series	#14 ga Stainless Steel 304 - Brushed Finish	LID FIXING	TN4X Hinge	Continuous piano SS304
	TN4X6 Series	#14 ga Stainless Steel 316L - Brushed Finish		TN4X6 Hinge	Continuous piano SS316L
GASKET	TN4X Gland Plates	#10 ga Stainless Steel 304 - Brushed Finish	GROUNDING	TN4X Door Clamps	Stainless Steel 304
	TN4X6 Gland Plates	#10 ga Stainless Steel 316L - Brushed Finish		TN4X6 Door Clamps	Stainless Steel 316L
ENCLOSURE MOUNTING	Cover	Silicone Sponge	GROUNDING	Box & Cover	1/4-20 stud with 300 Series SS hardware
	Gland Plates	Silicone Sponge			
ENCLOSURE MOUNTING		Four (4) external lugs with .44" clearance holes / slots			
GLAND PLATE HARDWARE		300 Series Stainless Steel			

CERTIFICATIONS

Class II, Division 2
Class I, Zone 1, AEx e II
Ex e II (Canada)
NEMA Type 4
DEMKO 01 ATEX 0112700U
CE 0539 II 2 GD
Ex e II
Ex tD A21 IP66

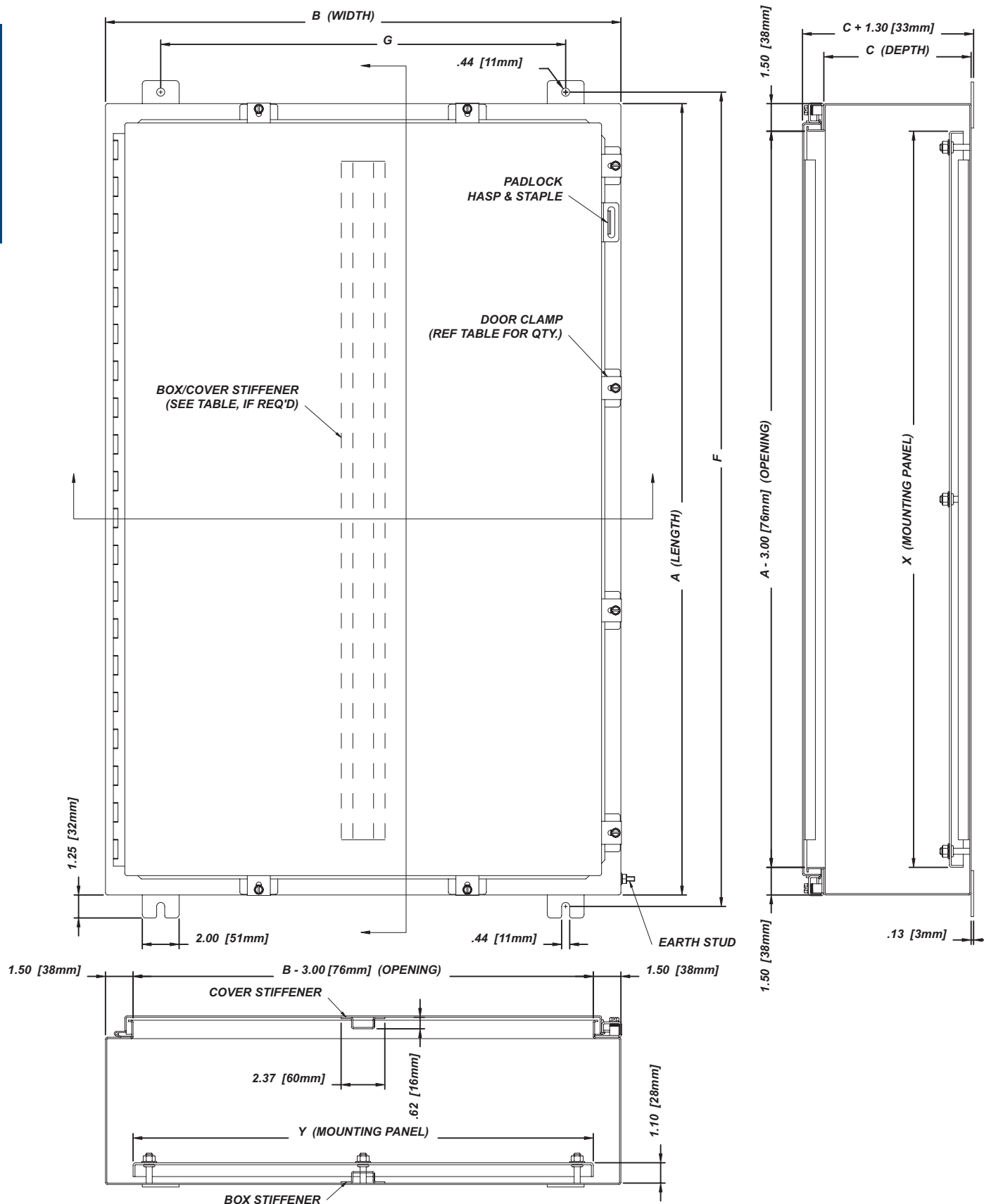
IECEx UL 10.0021U
Ex e II
Ex tD A21 IP66



INCREASED SAFETY

TERMINAL ENCLOSURES

INCREASED SAFETY
ENCLOSURES



TN Series - Empty Enclosure 316L Stainless Steel

ENCLOSURE	GAUGE		OUTSIDE DIM.			STIFFENERS		CLAMPS #	MOUNTING CENTER		PANEL PART NO.	PANEL DIM.	
	BOX	DOOR	A	B	C	BOX	DOOR					X	Y
TN4X6-161206U	14	14	16	12	6	-	-	4	18.13	9.5	V1612	13	9
TN4X6-161606U	14	14	16	16	6	-	-	4	18.13	10	V1616	13	13
TN4X6-162006U	14	14	16	20	6	-	-	4	18.13	14	V2016	13	17
TN4X6-201606U	14	14	20	16	6	-	-	4	22.13	10	V2016	17	13
TN4X6-202006U	14	14	20	20	6	-	-	4	22.13	14	V2020	17	17
TN4X6-202406U	14	14	20	24	6	-	-	4	22.13	18	V2420	17	21
TN4X6-241206U	14	14	24	12	6	-	-	5	26.13	9.5	V2412	21	9
TN4X6-241606U	14	14	24	16	6	-	-	5	26.13	10	V2416	21	13
TN4X6-242006U	14	14	24	20	6	-	-	5	26.13	14	V2420	21	17
TN4X6-242406U	14	14	24	24	6	-	-	5	26.13	18	V2424	21	21
TN4X6-302006U	14	14	30	20	6	-	-	5	32.13	14	V3020	27	17
TN4X6-302406U	14	14	30	24	6	-	-	5	32.13	18	V3024	27	21
TN4X6-362406U	14	14	36	24	6	-	-	5	38.13	18	V3624	33	21
TN4X6-363006U	14	14	36	30	6	REQ'D	-	7	38.13	24	V3630	33	27
TN4X6-161208U	14	14	16	12	8	-	-	4	18.13	9.5	V1612	13	9
TN4X6-161608U	14	14	16	16	8	-	-	4	18.13	10	V1616	13	13
TN4X6-162008U	14	14	16	20	8	-	-	4	18.13	14	V1620	13	17
TN4X6-201608U	14	14	20	16	8	-	-	4	22.13	10	V2016	17	13
TN4X6-202008U	14	14	20	20	8	-	-	4	22.13	14	V2020	17	17
TN4X6-202408U	14	14	20	24	8	-	-	4	22.13	18	V2024	17	21
TN4X6-241608U	14	14	24	16	8	-	-	5	26.13	10	V2416	21	13
TN4X6-242008U	14	14	24	20	8	-	-	5	26.13	14	V2420	21	17
TN4X6-242408U	14	14	24	24	8	-	-	5	26.13	18	V2424	21	21
TN4X6-243008U	14	14	24	30	8	-	-	7	26.13	24	V2430	21	27
TN4X6-302008U	14	14	30	20	8	-	-	5	32.13	14	V3020	27	17
TN4X6-302408U	14	14	30	24	8	-	-	5	32.13	18	V3024	27	21
TN4X6-303008U	14	14	30	30	8	REQ'D	-	7	32.13	24	V3030	27	27
TN4X6-362408U	14	14	36	24	8	-	-	5	38.13	18	V3624	33	21
TN4X6-363008U	14	14	36	30	8	REQ'D	-	7	38.13	24	V3630	33	27
TN4X6-363608U	14	14	36	36	8	REQ'D	REQ'D	7	38.13	30	V3636	33	33
TN4X6-423008U	14	14	42	30	8	REQ'D	REQ'D	8	44.13	24	V4230	39	27
TN4X6-423608U	14	14	42	36	8	REQ'D	REQ'D	8	44.13	30	V4236	39	33
TN4X6-483608U	14	14	48	36	8	REQ'D	REQ'D	8	50.13	30	V4836	45	33
TN4X6-201610U	14	14	20	16	10	-	-	4	22.13	10	V2016	17	13

Information is subject to change without notice

Measurements in inches

- NOTES**
- The stainless steel 304 constructions substitute TN4X6 (SS316L Prefix) with TN4X (SS304 Prefix)
 - Gland plates options area available on enclosure depths < 12 inches deep, consult factory for gland plates on enclosures > 10 inches deep

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
 C: Gland plate installed on LEFT side of box
 D: Gland plate installed on RIGHT side of box

For multiple gland plates omit dashes. (i.e. TN4X6-161608-ABCD)

TERMINAL ENCLOSURES

TN Series - Empty Enclosure 316L Stainless Steel

ENCLOSURE	GAUGE		OUTSIDE DIM.			STIFFENERS		CLAMPS #	MOUNTING CENTER		PANEL PART NO.	PANEL DIM.	
	BOX	DOOR	A	B	C	BOX	DOOR					X	Y
TN4X6-202010U	14	14	20	20	10	-	-	4	22.13	14	V2020	17	17
TN4X6-242010U	14	14	24	20	10	-	-	5	26.13	14	V2420	21	17
TN4X6-242410U	14	14	24	24	10	-	-	5	26.13	18	V2424	21	21
TN4X6-302410U	14	14	30	24	10	-	-	5	32.13	18	V3024	27	21
TN4X6-362410U	14	14	36	24	10	-	-	5	38.13	18	V3624	33	21
TN4X6-363010U	14	14	36	30	10	REQ'D	-	7	38.13	24	V3630	33	27
TN4X6-423010U	14	14	42	30	10	REQ'D	REQ'D	8	44.13	24	V4230	39	27
TN4X6-423610U	14	14	42	36	10	REQ'D	REQ'D	8	44.13	30	V4236	39	33
TN4X6-483610U	14	14	48	36	10	REQ'D	REQ'D	8	50.13	30	V4836	45	33
TN4X6-603610U	14	14	60	36	10	REQ'D	REQ'D	9	62.13	30	V6036	57	33
TN4X6-201612U	14	14	20	16	12	-	-	4	22.13	10	V2016	17	13
TN4X6-242012U	14	14	24	20	12	-	-	5	26.13	14	V2420	21	17
TN4X6-242412U	14	14	24	24	12	-	-	5	26.13	18	V2424	21	21
TN4X6-302412U	14	14	30	24	12	-	-	5	32.13	18	V3024	27	21
TN4X6-303012U	14	14	30	30	12	REQ'D	-	7	32.13	24	V3030	27	27
TN4X6-362412U	14	14	36	24	12	-	-	5	38.13	18	V3624	33	21
TN4X6-363012U	14	14	36	30	12	REQ'D	-	7	38.13	24	V3630	33	27
TN4X6-363612U	14	14	36	36	12	REQ'D	REQ'D	7	38.13	30	V3636	33	33
TN4X6-423012U	14	14	42	30	12	REQ'D	REQ'D	8	44.13	24	V4230	39	27
TN4X6-423612U	14	14	42	36	12	REQ'D	REQ'D	8	44.13	30	V4236	39	33
TN4X6-483612U	14	14	48	36	12	REQ'D	REQ'D	8	50.13	30	V4836	45	33
TN4X6-603612U	14	14	60	36	12	REQ'D	REQ'D	9	62.13	30	V6036	57	33
TN4X6-242016U	14	14	24	20	16	-	-	5	26.13	14	V2420	21	17
TN4X6-242416U	14	14	24	24	16	-	-	5	26.13	18	V2424	21	21
TN4X6-302416U	14	14	30	24	16	-	-	5	32.13	18	V3024	27	21
TN4X6-363016U	14	14	36	30	16	REQ'D	-	7	38.13	24	V3630	33	27
TN4X6-423616U	14	14	42	36	16	REQ'D	REQ'D	8	44.13	30	V4236	39	33
TN4X6-483616U	14	14	48	36	16	REQ'D	REQ'D	8	50.13	30	V4836	45	33
TN4X6-603616U	14	14	60	36	16	REQ'D	REQ'D	9	62.13	30	V6036	57	33
TN4X6-302420U	14	14	30	24	20	-	-	5	32.13	18	V3024	27	21
TN4X6-363020U	14	14	36	30	20	REQ'D	-	7	38.13	24	V3630	33	27
TN4X6-483620U	14	14	48	36	20	REQ'D	REQ'D	8	50.13	30	V4836	45	33
TN4X6-603620U	14	14	60	36	20	REQ'D	REQ'D	9	62.13	30	V6036	57	33
TN4X6-302424U	14	14	30	24	24	-	-	5	32.13	18	V3024	27	21

Information is subject to change without notice

Measurements in inches

- NOTES**
- The stainless steel 304 constructions substitute TN4X6 (SS316L Prefix) with TN4X (SS304 Prefix)
 - Gland plates options area available on enclosure depths < 12 inches deep, consult factory for gland plates on enclosures > 10 inches deep

Add the following suffixes for gland plates:

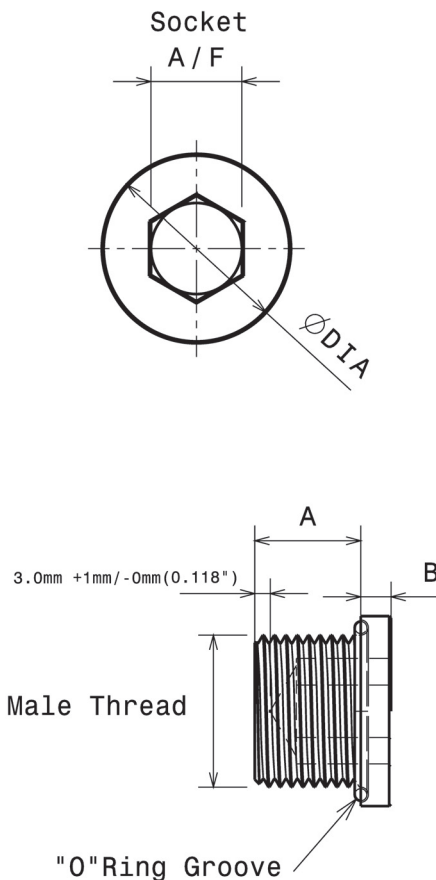
- A: Gland plate installed on TOP side of box
 B: Gland plate installed on BOTTOM side of box
 C: Gland plate installed on LEFT side of box
 D: Gland plate installed on RIGHT side of box

For multiple gland plates omit dashes. (i.e. TN4X6-161608-ABCD)

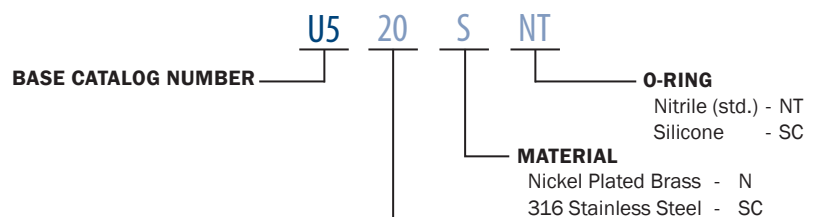
Type 'U' Close-Up Plugs

STANDARD FEATURES

- Used to seal unused cable gland or conduit entries in Exe approved enclosures, maintaining the hazardous location certification and the overall integrity of the installation.



PART NUMBER BUILD



THREAD DESIGNATION

METRIC	NPT	NPS	ISO	ISO	ET	PG
16	½	½S	½P	½T	½E	7
20	¾	¾S	¾P	¾T	¾E	9
25	1	1S	1P	1T	1E	11
32	1¼	1¼S	1¼P	1¼T	1¼E	13
40	1½	1½S	1½P	1½T	1½E	16P
50	2	2S	2P	2T	2E	21
63	2½	2½S	2½P	2½T	2½E	29
75	3	3S	3P	3T	3E	36
80	3½	3½S	3½P	3½T		42
85	4	4S	4P	4T		48
90	Note: Metric sizes M80 and larger are 2.0mm					
95	pitch is Standard, for 1.5mm pitch add *					
100						

CERTIFICATIONS

Class I, Div 1, Groups A, B, C & D
AExd IIC / AExe II Class I, Zone 1
II 2 GD Exd IIC / Exe II category 2 & 3
CSA Standard C22.2 No. 30



Combination Breather / Drains

STANDARD FEATURES

- Allows the air inside an Ex e Flameproof or Class I, Div 1 enclosure to breathe with the surrounding atmosphere
- Allows any moisture that enters the enclosure to drain while maintaining the overall integrity of the installation
- 7Nm impact resistance
- Thread Gauging - Other thread forms available on applications
 - Metric: 1.5mm Pitch - Medium Fit 6g
 - NPT: Male L1 + / - Turn
- Certified for Exe clearance hole applications where the castellated nut is used to secure the installation

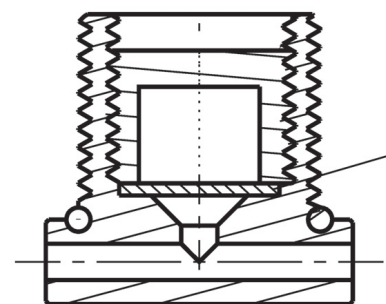
MATERIAL

- Nickel Plated Brass "N" (-50° to +80° C)
- 316 Stainless Steel "S" (-50° to +80° C)
- O Ring Options - Nitrile (-30° to +80° C)
 - Silicone (-50° to 80° C)
- Nitrile O Ring supplied as a standard on versions with parallel male threads

CERTIFICATIONS

IECEX
Ex e II
Ex tD A21 IP66
ATEX II 2 G D
Ex tb IIIC Db IP66

Canada
DIP A21



Be Series

Part Number Structure

Example - Be.20.N.NT

- Type Be Breather Drain
- M20 Male Thread
- Nickel Plated Brass
- Nitrile O Ring

PART NUMBER BUILD								
BASE CATALOG NUMBER							Be	20
THREAD DESIGNATION							N	NT
METRIC	NPT	NPS	ISO	ISO	ET	PG	O-RING Nitrile (std.) - NT Silicone - SC	
20	½	½S	½P	½T	¾E	13		
25	¾	¾S	¾P	¾T	1E	16P	MATERIAL Nickel Plated Brass - N 316 Stainless Steel - S	

Inner Panels

TSC SERIES - 14 Ga. (.075) Steel, White Polyester Powder Coat Finish		
CATALOG NUMBER	FOR ENCLOSURE	PANEL SIZE (H X W)
05P05	5 x 5	3 7/8" x 3 7/8"
06P04	6 x 4	4 7/8" x 2 7/8"
06P06	6 x 6	4 7/8" x 4 7/8"
07P07	7 x 7	5 7/8" x 5 7/8"
08P06	8 x 6	6 7/8" x 4 7/8"
08P08	8 x 8	6 7/8" x 6 7/8"
10P08	10 x 8	8 7/8" x 6 7/8"
10P10	10 x 10	8 7/8" x 8 7/8"
12P06	12 x 6	10 7/8" x 4 7/8"
12P08	12 x 8	10 7/8" x 6 7/8"
12P10	12 x 10	10 7/8" x 8 7/8"
12P12	12 x 12	10 7/8" x 10 7/8"
14P08	14 x 8	12 7/8" x 6 7/8"
14P12	14 x 12	12 7/8" x 10 7/8"
15P15	15 x 15	13 7/8" x 13 7/8"
16P12	16 x 12	14 7/8" x 10 7/8"
16P14	16 x 14	14 7/8" x 12 7/8"
16P16	16 x 16	14 7/8" x 14 7/8"

TN & CN SERIES -12 Ga. (.1054) Steel, White Polyester Powder Coat Finish		
CATALOG NUMBER	FOR ENCLOSURE	PANEL SIZE (H X W)
V-1212	12 x 12	9" x 9"
V-1612	16 x 12	13" x 9"
V-1616	16 x 16	13" x 13"
V-2012	20 x 12	17" x 19"
V-2016	20 x 16 (16 x 20)	17" x 13"
V-2020	20 x 20	17" x 17"
V-2412	24 x 12 (12 x 24)	21" x 9"
V-2416	24 x 16	21" x 13"
V-2420	24 x 20 (20 x 24)	21" x 17"
V-2424	24 x 24	21" x 21"
V-3016	30 x 16	27" x 13"
V-3020	30 x 20	27" x 17"
V-3024	30 x 24 (24 x 30)	27" x 21"
V-3030	30 x 30	27" x 27"
V-3624	36 x 24	33" x 21"
V-3630	36 x 30 (30 x 36)	33" x 27"
V-3636	36 x 36	33" x 33"
V-4224	42 x 24	35" x 21"
V-4230	42 x 30	39" x 27"
V-4236	42 x 36	39" x 33"
V-4824	48 x 24	45" x 21"
V-4830	48 x 30	42" x 27"
V-4836	48 x 36	45" x 33"
V-6036	60 x 36	57" x 33"

Data Pockets

Data pockets are used inside of the enclosure to provide space to store wiring diagrams, operation manuals and other pertinent data. Molded from polystyrene and mounted with double sided tape (provided).

DATA POCKETS	
CATALOG NUMBER	DESCRIPTION
M1657	6" x 6" x 1"
M3547	10" x 10" x 1"
M3534	12" x 12" x 2.75"

Drip Shield

Drip shields protect door hardware from dripping water and settling dust.

Factory installed only. For use with TN & CN Series Enclosures only.

DRIP SHIELDS	
CATALOG NUMBER	DESCRIPTION
DS12	for 12" wide enclosures
DS16	for 16" wide enclosures
DS20	for 20" wide enclosures
DS24	for 24" wide enclosures
DS30	for 30" wide enclosures
DS36	for 36" wide enclosures

Labels / Legend Plates

Labels and legend plates are used to identify enclosures and/or operating devices. Available in 3-ply laminated plastic or anodized aluminum. Labels and legend plates are laser engraved for permanent and quality appearance.

Custom engraving available for sheet sizes up to 12" x 24" sheets.

To order: Specify size and text engraving instructions. For laminated plastic, please specify face color and letter color. For custom artwork engineering, consult factory.

INNER PANEL NOTES

- For stainless steel 316L mounting panels add suffix -SS6 to catalog number.
- Custom sizes and panels fabricated from stainless steel, painted carbon steel and aluminum are available. Consult factory.

Control Enclosures

Adalet's Single Door Clamped Control Enclosures are available in stainless steel 316L & 304. Adalet can also supply custom size enclosures, operators, and wiring of devices to rail mounted terminal blocks to suit your Increased Safety application. Silicone gaskets, removeable hinge pin, box & cover ground studs including an external earthing stud, along with internal standoffs for mounting pans are included as standard.

STANDARD FEATURES

- 68 standard sizes available
- Stainless steel quarter turn latch with 3mm double bit insert (includes key)
- Continuous one-piece water tight silicone gasket
- Continuous piano hinge with removable stainless steel pin
- Ground stud on box and cover
- External earth stud
- Wall mounting feet (vertical or horizontal)

DESIGN OPTIONS

- Gland plates (6" deep or greater) can be supplied pre-drilled or blank for field drilling
- Mounting panels
- Drilled entries and cut-outs
- Adalet EH series Exe operators
- Legend plates and lamacoid or stainless steel name plates
- 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 (.060) stainless steel with #3/4 brush finish
- Gland plates constructed from 10 gauge (.1046) stainless steel with a #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

POPULATED ENCLOSURE

Class I, Division 2, Groups A, B, C, D

Class II, Division 2, Groups F, G

Class I, Zone 1, AEx d e mb IIC T6 (T5:Ta<+55 °C)

NEMA Type 4X, 12, 13

Ex d e mb IIC T6X (T5:Ta<+55 °C)

Ex d e mb IIC T6(T5:Ta<+55 °C)

Ex tD A21 IP66 T200 °C

IECEX UL 09.0020X

DEMKO 01 ATEX 130437X

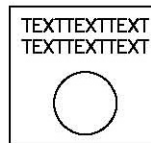
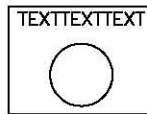
CE 0539 Ex II 2 G Ex d e mb IIC T6 (T5:Ta<+55 °C)

CE 0539 Ex II 2 D Ex tD A21 IP66 T200 °C

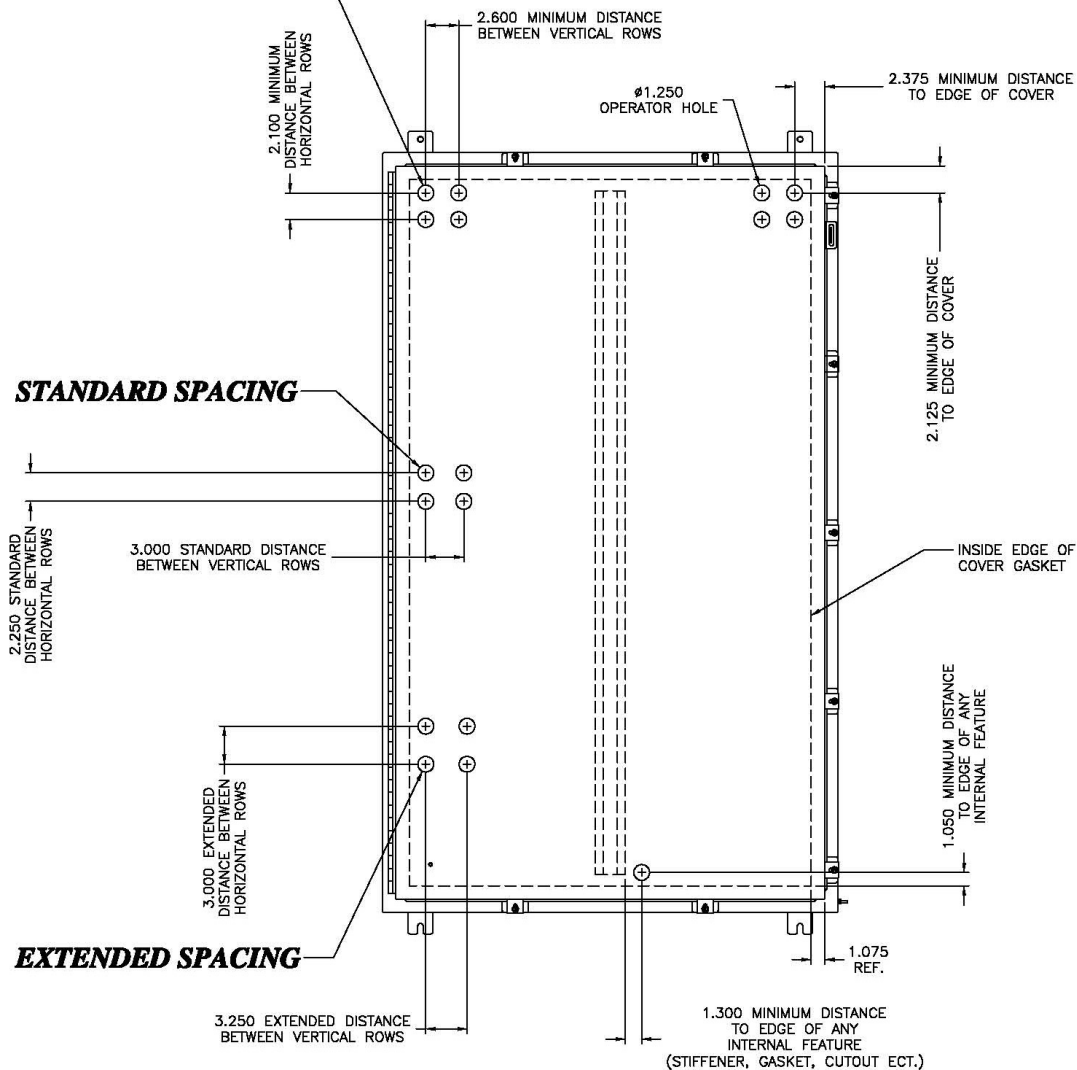


ADALET OPERATOR SPACING OPTIONS:

1. ADALET MINIMUM SPACING: MINIMUM ALLOWABLE SPACING, DOES NOT ALLOW FOR ANY LEGEND PLATES.
2. ADALET STANDARD SPACING: ALLOWS FOR STANDARD LEGEND PLATES FOR MAXIMUM ONE LINE OF ENGRAVED TEXT.
3. ADALET EXTENDED SPACING: ALLOWS FOR EXTENDED LEGEND PLATES FOR MAXIMUM TWO LINES OF ENGRAVED TEXT.



MINIMUM SPACING



CN Series - Control Enclosure 316L Stainless Steel													
ENCLOSURE	GAUGE		OUTSIDE DIM.			STIFFENERS		CLAMPS #	MOUNTING		PANEL PART NO.	PANEL DIM.	
	BOX	DOOR	A	B	C	BOX	DOOR			CENTER		X	Y
CN4X6-161206	16	14	16	12	6	-	-	4	17.25	9.5	V1612	13	9
CN4X6-161606	16	14	16	16	6	-	-	4	17.25	10	V1616	13	13
CN4X6-162006	16	14	16	20	6	-	-	4	17.25	14	V2016	13	17
CN4X6-201606	16	14	20	16	6	-	-	4	21.25	10	V2016	17	13
CN4X6-202006	16	14	20	20	6	-	-	4	21.25	14	V2020	17	17
CN4X6-202406	16	14	20	24	6	-	-	4	21.25	18	V2420	17	21
CN4X6-241206	16	14	24	12	6	-	-	5	25.25	9.5	V2412	21	9
CN4X6-241606	16	14	24	16	6	-	-	5	25.25	10	V2416	21	13
CN4X6-242006	16	14	24	20	6	-	-	5	25.25	14	V2420	21	17
CN4X6-242406	16	14	24	24	6	-	-	5	25.25	18	V2424	21	21
CN4X6-302006	14	14	30	20	6	-	-	5	31.25	14	V3020	27	17
CN4X6-302406	14	14	30	24	6	-	-	5	31.25	18	V3024	27	21
CN4X6-362406	14	14	36	24	6	-	-	5	37.25	18	V3624	33	21
CN4X6-363006	14	14	36	30	6	REQ'D	-	7	37.25	24	V3630	33	27
CN4X6-161208	16	14	16	12	8	-	-	4	17.25	9.5	V1612	13	9
CN4X6-161608	16	14	16	16	8	-	-	4	17.25	10	V1616	13	13
CN4X6-162008	16	14	16	20	8	-	-	4	17.25	14	V1620	13	17
CN4X6-201608	16	14	20	16	8	-	-	4	21.25	10	V2016	17	13
CN4X6-202008	16	14	20	20	8	-	-	4	21.25	14	V2020	17	17
CN4X6-202408	16	14	20	24	8	-	-	4	21.25	18	V2024	17	21
CN4X6-241608	16	14	24	16	8	-	-	5	25.25	10	V2416	21	13
CN4X6-242008	16	14	24	20	8	-	-	5	25.25	14	V2420	21	17
CN4X6-242408	16	14	24	24	8	-	-	5	25.25	18	V2424	21	21
CN4X6-243008	14	14	24	30	8	-	-	7	25.25	24	V3024	27	21
CN4X6-302008	14	14	30	20	8	-	-	5	31.25	14	V3020	27	17
CN4X6-302408	14	14	30	24	8	-	-	5	31.25	18	V3024	27	21
CN4X6-303008	14	14	30	30	8	REQ'D	-	7	31.25	24	V3030	27	27
CN4X6-362408	14	14	36	24	8	-	-	5	37.25	18	V3624	33	21
CN4X6-363008	14	14	36	30	8	REQ'D	-	7	37.25	24	V3630	33	27
CN4X6-363608	14	14	36	36	8	REQ'D	REQ'D	7	37.25	30	V3636	33	33
CN4X6-423008	14	14	42	30	8	REQ'D	REQ'D	8	43.25	24	V4230	39	27
CN4X6-423608	14	14	42	36	8	REQ'D	REQ'D	8	43.25	30	V4236	39	33
CN4X6-483608	14	14	48	36	8	REQ'D	REQ'D	8	49.25	30	V4836	45	33
CN4X6-201610	16	14	20	16	10	-	-	4	21.25	10	V2016	17	13

Information is subject to change without notice

Measurements in inches

- NOTES**
1. For stainless steel 304 constructions, substitute CN4X6 (SS316L Prefix) with CN4X (SS304 Prefix).
 2. Gland plate options area available on enclosure < 12 inches deep, consult factory for gland plates on enclosures > 10 inches deep.

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
- C: Gland plate installed on LEFT side of box
- D: Gland plate installed on RIGHT side of box

For multiple gland plates omit dashes. (i.e. CN4X6-161608-ABCD)

INCREASED SAFETY CONTROL ENCLOSURES

INCREASED SAFETY
ENCLOSURES

CN Series - Control Enclosure 316L Stainless Steel

ENCLOSURE	GAUGE		OUTSIDE DIM.			STIFFENERS		CLAMPS #	MOUNTING CENTER		PANEL PART NO.	PANEL DIM.	
	BOX	DOOR	A	B	C	BOX	DOOR					X	Y
CN4X6-202010	14	14	20	20	10	-	-	4	22.13	14	V2020	17	17
CN4X6-242010	14	14	24	20	10	-	-	5	26.13	14	V2420	21	17
CN4X6-242410	14	14	24	24	10	-	-	5	26.13	18	V2424	21	21
CN4X6-302410	14	14	30	24	10	-	-	5	32.13	18	V3024	27	21
CN4X6-362410	14	14	36	24	10	-	-	5	38.13	18	V3624	33	21
CN4X6-363010	14	14	36	30	10	REQ'D	-	7	38.13	24	V3630	33	27
CN4X6-423010	14	14	42	30	10	REQ'D	REQ'D	8	44.13	24	V4230	39	27
CN4X6-423610	14	14	42	36	10	REQ'D	REQ'D	8	44.13	30	V4236	39	33
CN4X6-483610	14	14	48	36	10	REQ'D	REQ'D	8	50.13	30	V4836	45	33
CN4X6-603610	14	14	60	36	10	REQ'D	REQ'D	9	62.13	30	V6036	57	33
CN4X6-201612	14	14	20	16	12	-	-	4	22.13	10	V2016	17	13
CN4X6-242012	14	14	24	20	12	-	-	5	26.13	14	V2420	21	17
CN4X6-242412	14	14	24	24	12	-	-	5	26.13	18	V2424	21	21
CN4X6-302412	14	14	30	24	12	-	-	5	32.13	18	V3024	27	21
CN4X6-303012	14	14	30	30	12	REQ'D	-	7	32.13	24	V3030	27	27
CN4X6-362412	14	14	36	24	12	-	-	5	38.13	18	V3624	33	21
CN4X6-363012	14	14	36	30	12	REQ'D	-	7	38.13	24	V3630	33	27
CN4X6-363612	14	14	36	36	12	REQ'D	REQ'D	7	38.13	30	V3636	33	33
CN4X6-423012	14	14	42	30	12	REQ'D	REQ'D	8	44.13	24	V4230	39	27
CN4X6-423612	14	14	42	36	12	REQ'D	REQ'D	8	44.13	30	V4236	39	33
CN4X6-483612	14	14	48	36	12	REQ'D	REQ'D	8	50.13	30	V4836	45	33
CN4X6-603612	14	14	60	36	12	REQ'D	REQ'D	9	62.13	30	V6036	57	33
CN4X6-242016	14	14	24	20	16	-	-	5	26.13	14	V2420	21	17
CN4X6-242416	14	14	24	24	16	-	-	5	26.13	18	V2424	21	21
CN4X6-302416	14	14	30	24	16	-	-	5	32.13	18	V3024	27	21
CN4X6-363016	14	14	36	30	16	REQ'D	-	7	38.13	24	V3630	33	27
CN4X6-423616	14	14	42	36	16	REQ'D	REQ'D	8	44.13	30	V4236	39	33
CN4X6-483616	14	14	48	36	16	REQ'D	REQ'D	8	50.13	30	V4836	45	33
CN4X6-603616	14	14	60	36	16	REQ'D	REQ'D	9	62.13	30	V6036	57	33
CN4X6-302420	14	14	30	24	20	-	-	5	32.13	18	V3024	27	21
CN4X6-363020	14	14	36	30	20	REQ'D	-	7	38.13	24	V3630	33	27
CN4X6-483620	14	14	48	36	20	REQ'D	REQ'D	8	50.13	30	V4836	45	33
CN4X6-603620	14	14	60	36	20	REQ'D	REQ'D	9	62.13	30	V6036	57	33
CN4X6-302424	14	14	30	24	24	-	-	5	32.13	18	V3024	27	21

Information is subject to change without notice

Measurements in inches

- NOTES**
1. For stainless steel 304 constructions, substitute CN4X6 (SS316L Prefix) with CN4X (SS304 Prefix).
 2. Gland plate options area available on enclosure < 12 inches deep, consult factory for gland plates on enclosures > 10 inches deep.

Add the following suffixes for gland plates:

- A: Gland plate installed on TOP side of box
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For multiple gland plates omit dashes. (i.e. CN4X6-161608-ABCD)

CN Series - Control Enclosure 316L Stainless Steel

ENCLOSURE	GAUGE		OUTSIDE DIM.			STIFFENERS		CLAMPS #	MTG CENTER		PANEL PART NO.	PANEL DIM.	
	BOX	DOOR	A	B	C	BOX	DOOR		F	G		X	Y
CN4X6-161206	16	14	406.4	304.8	152.4	-	-	4	18.13	241.3	V1612	330.2	228.6
CN4X6-161606	16	14	406.4	406.4	152.4	-	-	4	18.13	254.0	V1616	330.2	330.2
CN4X6-162006	16	14	406.4	508.0	152.4	-	-	4	18.13	355.6	V2016	330.2	431.8
CN4X6-201606	16	14	508.0	406.4	152.4	-	-	4	22.13	254.0	V2016	431.8	330.2
CN4X6-202006	16	14	508.0	508.0	152.4	-	-	4	22.13	355.6	V2020	431.8	431.8
CN4X6-202406	16	14	508.0	609.6	152.4	-	-	4	22.13	457.2	V2420	431.8	533.4
CN4X6-241206	16	14	609.6	304.8	152.4	-	-	5	26.13	241.3	V2412	533.4	228.6
CN4X6-241606	16	14	609.6	406.4	152.4	-	-	5	26.13	254.0	V2416	533.4	330.2
CN4X6-242006	16	14	609.6	508.0	152.4	-	-	5	26.13	355.6	V2420	533.4	431.8
CN4X6-242406	16	14	609.6	609.6	152.4	-	-	5	26.13	457.2	V2424	533.4	533.4
CN4X6-302006	14	14	762.0	508.0	152.4	-	-	5	32.13	355.6	V3020	685.8	431.8
CN4X6-302406	14	14	762.0	609.6	152.4	-	-	5	32.13	457.2	V3024	685.8	533.4
CN4X6-362406	14	14	914.4	609.6	152.4	-	-	5	38.13	457.2	V3624	838.2	533.4
CN4X6-363006	14	14	914.4	762.0	203.2	REQ'D	-	7	38.13	609.6	V3630	838.2	685.8
CN4X6-161208	16	14	406.4	304.8	203.2	-	-	4	18.13	241.3	V1612	330.2	228.6
CN4X6-161608	16	14	406.4	406.4	203.2	-	-	4	18.13	254.0	V1616	330.2	330.2
CN4X6-162008	16	14	406.4	508.0	203.2	-	-	4	18.13	355.6	V1620	330.2	431.8
CN4X6-201608	16	14	508.0	406.4	203.2	-	-	4	22.13	254.0	V2016	431.8	330.2
CN4X6-202008	16	14	508.0	508.0	203.2	-	-	4	22.13	355.6	V2020	431.8	431.8
CN4X6-202408	16	14	508.0	609.6	203.2	-	-	4	22.13	457.2	V2024	431.8	533.4
CN4X6-241608	16	14	609.6	406.4	203.2	-	-	5	26.13	254.2	V2416	533.4	330.2
CN4X6-242008	16	14	609.6	508.0	203.2	-	-	5	26.13	355.6	V2420	533.4	431.8
CN4X6-242408	16	14	609.6	609.6	203.2	-	-	5	26.13	457.2	V2424	533.4	533.4
CN4X6-243008	14	14	609.6	762.0	203.2	-	-	7	26.13	609.6	V3024	533.4	685.8
CN4X6-302008	14	14	762.0	508.0	203.2	-	-	5	32.13	355.6	V3020	685.8	431.8
CN4X6-302408	14	14	762.0	609.6	203.2	-	-	5	32.13	457.2	V3024	685.8	533.4
CN4X6-303008	14	14	762.0	762.0	203.2	REQ'D	-	7	32.13	609.6	V3030	685.8	685.8
CN4X6-362408	14	14	914.4	609.6	203.2	-	-	5	38.13	457.2	V3624	838.2	533.4
CN4X6-363008	14	14	914.4	762.0	203.2	REQ'D	-	7	38.13	609.6	V3630	838.2	685.8
CN4X6-363608	14	14	914.4	914.4	203.2	REQ'D	REQ'D	7	38.13	762.0	V3636	838.2	838.2
CN4X6-423008	14	14	1066.8	762.0	203.2	REQ'D	REQ'D	8	44.13	609.6	V4230	990.6	685.8
CN4X6-423608	14	14	1066.8	914.4	203.2	REQ'D	REQ'D	8	44.13	762.0	V4236	990.6	838.2
CN4X6-483608	14	14	1219.2	914.4	203.2	REQ'D	REQ'D	8	50.13	762.0	V4836	1143.0	838.2
CN4X6-201610	16	14	508.0	406.4	254.0	-	-	4	22.13	254.0	V2016	431.8	330.2

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Measurements in inches

- NOTES**
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INCREASED SAFETY CONTROL ENCLOSURES

INCREASED SAFETY
ENCLOSURES

CN Series - Control Enclosure 316L Stainless Steel

ENCLOSURE	GAUGE		OUTSIDE DIM.			STIFFENERS		CLAMPS #	MOUNTING CENTER		PANEL PART NO.	PANEL DIM.	
	BOX	DOOR	A	B	C	BOX	DOOR					X	Y
CN4X6-202010	14	14	508.0	508.0	254.0	-	-	4	22.13	355.6	V2020	431.8	431.8
CN4X6-242010	14	14	609.6	508.0	254.0	-	-	5	26.13	355.6	V2420	533.4	431.8
CN4X6-242410	14	14	609.6	609.6	254.0	-	-	5	26.13	457.2	V2424	533.4	533.4
CN4X6-302410	14	14	762.0	609.6	254.0	-	-	5	32.13	457.2	V3024	685.8	533.4
CN4X6-362410	14	14	914.4	609.6	254.0	-	-	5	38.13	457.2	V3624	838.2	533.4
CN4X6-363010	14	14	914.4	762.0	254.0	REQ'D	-	7	38.13	609.6	V3630	838.2	685.8
CN4X6-423010	14	14	1066.8	762.0	254.0	REQ'D	REQ'D	8	44.13	609.6	V4230	990.6	685.8
CN4X6-423610	14	14	1066.8	914.4	254.0	REQ'D	REQ'D	8	44.13	762.0	V4236	990.6	838.2
CN4X6-483610	14	14	1219.2	914.4	254.0	REQ'D	REQ'D	8	50.13	762.0	V4836	1143.0	838.2
CN4X6-603610	14	14	1524.0	914.4	254.0	REQ'D	REQ'D	9	62.13	762.0	V6036	1447.8	838.2
CN4X6-201612	14	14	508.0	406.4	304.8	-	-	4	22.13	254.0	V2016	431.8	330.2
CN4X6-242012	14	14	609.6	508.0	304.8	-	-	5	26.13	355.6	V2420	533.4	431.8
CN4X6-242412	14	14	609.6	609.6	304.8	-	-	5	26.13	457.2	V2424	533.4	533.4
CN4X6-302412	14	14	762.0	609.6	304.8	-	-	5	32.13	457.2	V3024	685.8	533.4
CN4X6-303012	14	14	762.0	762.0	304.8	REQ'D	-	7	32.13	609.6	V3030	685.8	685.8
CN4X6-362412	14	14	914.4	609.6	304.8	-	-	5	38.13	457.2	V3624	838.2	533.4
CN4X6-363012	14	14	914.4	762.0	304.8	REQ'D	-	7	38.13	609.6	V3630	838.2	685.8
CN4X6-363612	14	14	914.4	914.4	304.8	REQ'D	REQ'D	7	38.13	762.0	V3636	838.2	838.2
CN4X6-423012	14	14	1066.8	762.0	304.8	REQ'D	REQ'D	8	44.13	609.6	V4230	990.6	685.8
CN4X6-423612	14	14	1066.8	914.4	304.8	REQ'D	REQ'D	8	44.13	762.0	V4236	990.6	838.2
CN4X6-483612	14	14	1219.2	914.4	304.8	REQ'D	REQ'D	8	50.13	762.0	V4836	1143.0	838.2
CN4X6-603612	14	14	1524.0	914.4	304.8	REQ'D	REQ'D	9	62.13	762.0	V6036	1447.8	838.2
CN4X6-242016	14	14	609.6	508.0	406.4	-	-	5	26.13	355.6	V2420	533.4	431.8
CN4X6-242416	14	14	609.6	609.6	406.4	-	-	5	26.13	457.2	V2424	533.4	533.4
CN4X6-302416	14	14	762.0	609.6	406.4	-	-	5	32.13	457.2	V3024	685.8	533.4
CN4X6-363016	14	14	914.4	762.0	406.4	REQ'D	-	7	38.13	609.6	V3630	838.2	685.8
CN4X6-423616	14	14	1066.8	914.4	406.4	REQ'D	REQ'D	8	44.13	762.0	V4236	990.6	838.2
CN4X6-483616	14	14	1219.2	914.4	406.4	REQ'D	REQ'D	8	50.13	762.0	V4836	1143.0	838.2
CN4X6-603616	14	14	1524.0	914.4	406.4	REQ'D	REQ'D	9	62.13	762.0	V6036	1447.8	838.2
CN4X6-302420	14	14	762.0	609.6	508.0	-	-	5	32.13	457.2	V3024	685.8	533.4
CN4X6-363020	14	14	914.4	762.0	508.0	REQ'D	-	7	38.13	609.6	V3630	838.2	685.8
CN4X6-483620	14	14	1219.2	914.4	508.0	REQ'D	REQ'D	8	50.13	762.0	V4836	1143.0	838.2
CN4X6-603620	14	14	1524.0	914.4	508.0	REQ'D	REQ'D	9	62.13	762.0	V6036	1447.8	838.2
CN4X6-302424	14	14	762.0	609.6	508.0	-	-	5	32.13	457.2	V3024	685.8	533.4

Information is subject to change without notice

Measurements in inches

- NOTES**
1. For stainless steel 304 constructions, substitute CN4X6 (SS316L Prefix) with CN4X (SS304 Prefix).
 2. Gland plate options area available on enclosure < 12 inches deep, consult factory for gland plates on enclosures > 10 inches deep.

Add the following suffixes for gland plates:

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For multiple gland plates omit dashes. (i.e. CN4X6-161608-ABCD)

Selector Switches

SELECTOR SWITCH

CAT #	CAM	# POS.	TYPE
EHSS	1	2	2 POSITION - Maintained
EHSS	2-6	3	3 POSITION - Maintained
EHSC	2-6	3	Spring return center from right and left
EHSR2	1	2	Spring return to left from right
EHSR	2-6	3	Spring return center from right, maintain left
EHSL2	1	2	Spring return to right from left
EHSL	2-6	3	Spring return center from left, maintain right



KEYED SELECTOR SWITCH

CAT #	CAM	# POS.	TYPE
EHKSS	1	2	2 POSITION - Maintained
EHKSS	2-6	3	3 POSITION - Maintained
EHKSC	2-6	3	Spring return center from right and left
EHKSR2	1	2	Spring return to left from right
EHKSR	2-6	3	Spring return center from right, maintain left
EHKSL2	1	2	Spring return to right from left
EHKSL	2-6	3	Spring return center from left, maintain right



CONTACT SEQUENCE CHART

Circuit of Contact Block	Mounting Position	Cam 1 Contact Sequence	Cam 2 Contact Sequence	Cam 3 Contact Sequence	Cam 4 Contact Sequence	Cam 5 Contact Sequence	Cam 6 Contact Sequence
O = Contact Open X = Contact Closed							
Normally Closed (NC)	A	X O	X X O	X X O	X O X	O O X	O O X
Normally Open (NO)	A	O X	O O X	O O X	O X O	X X O	O X O
Normally Closed (NC)	B	X O	O X O	O X X	X O O	O X X	X O O
Normally Open (NO)	B	O X	X O X	X O O	O X X	X O O	O O X

CERTIFICATIONS

Class I, Division 2, Groups A, B, C, D

Class II, Groups E, F, G (Canada Only)

Class I, Zone 1, AEx de IIC T6 -55°C < Ta < +60°C

Ex de IIC T6 X -55°C < Ta < +60°C

IECEX Ex de IIC Gb -55°C < Ta < +60°C

IECEX UL.09.0002U

0539 II 2 G Ex e II T6 (T5: Ta < +55°C) (T4: Ta < +70°C)

0539 II 2 D Ex tD A21 IP66 T200°C

IECEX Ex tb IIIC Db IP66

DIP

DIP A21 T_AT6



- NOTE**
1. Adalet EBT contact blocks are 1NO / 1NC Standard
 2. A max of 2 blocks per operator
 3. One EBT contact block is standard

Pilot Lights

**PILOT LIGHTS**

8" FLEXIBLE LEADS CAT #	TERMINAL BLOCK CAT #	COLOR	VOLTAGE
ELA120	ELAT120	AMBER	120
ELG120	ELGT120	GREEN	120
ELR120	ELRT120	RED	120
ELW120	ELWT120	WHITE	120
ELA12	ELAT12	AMBER	12
ELG12	ELGT12	GREEN	12
ELR12	ELRT12	RED	12
ELW12	ELWT12	WHITE	12
ELA24	ELAT24	AMBER	24
ELG24	ELGT24	GREEN	24
ELR24	ELRT24	RED	24
ELW24	ELWT24	WHITE	24

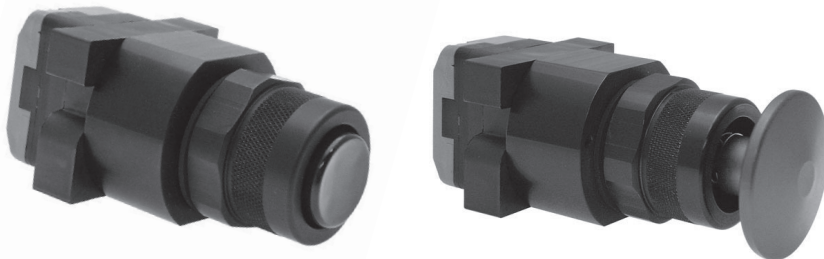
INCREASED SAFETY
ENCLOSURES**CERTIFICATIONS**

Class I, Division 2, Groups A, B, C, D
 Class II, Groups E, F, G (Canada Only)
 Class I, Zone 1, AEx de IIC T6 -55°C ≤ Ta ≤ +60°C
 Ex de IIC T6 X -55°C ≤ Ta ≤ +60°C
 IECEx Ex de IIC Gb -55°C ≤ Ta ≤ +60°C
 IECEx UL.09.0002U

0539 Ⓜ II 2 G Ex e II T6 (T5: Ta ≤ +55°C) (T4: Ta ≤ +70°C)
 0539 Ⓜ II 2 D Ex tD A21 IP66 T200°C
 IECEx Ex tb IIIC Db IP66
 DIP
 DIP A21 T_AT6



Pushbuttons

**PUSHBUTTON**

CAT #	CAP COLOR	BUTTON COLOR
EHPB-B	BLACK	BLACK
EHPB-G	BLACK	GREEN
EHPB-R	BLACK	RED

MUSHROOM HEAD PUSHBUTTON

CAT #	CAP COLOR	STYLE
EHPBM-R	RED	MOMENTARY
EHPBM-B	BLACK	MOMENTARY
EHPPM	RED	PUSH/PULL

CERTIFICATIONS

Class I, Division 2, Groups A, B, C, D
 Class II, Groups E, F, G (Canada Only)
 Class I, Zone 1, AEx de IIC T6 -55°C ≤ Ta ≤ +60°C
 Ex de IIC T6 X -55°C ≤ Ta ≤ +60°C
 IECEx Ex de IIC Gb -55°C ≤ Ta ≤ +60°C
 IECEx UL.09.0002U

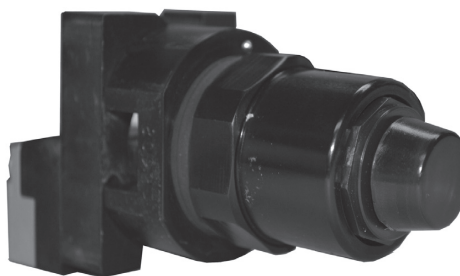
0539 Ⓜ II 2 G Ex e II T6 (T5: Ta ≤ +55°C) (T4: Ta ≤ +70°C)
 0539 Ⓜ II 2 D Ex tD A21 IP66 T200°C
 IECEx Ex tb IIIC Db IP66
 DIP
 DIP A21 T_AT6



Illuminated Pushbutton

ILLUMINATED PUSH BUTTON OPERATORS WITH CONTACT BLOCK

CAT. NUMBER	COLOR	VOLTAGE AC/DC	WATTS
ELPA120	AMBER	120	1.50
ELPG120	GREEN	120	1.50
ELPR120	RED	120	1.50
ELPW120	WHITE	120	1.50
ELPA12	AMBER	12	.30
ELPG12	GREEN	12	.30
ELPR12	RED	12	.30
ELPW12	WHITE	12	.30
ELPA24	AMBER	24	.60
ELPG24	GREEN	24	.60
ELPR24	RED	24	.60
ELPW24	WHITE	24	.60



CERTIFICATIONS

Class I, Division 2, Groups A, B, C, D
 Class II, Groups E, F, G (Canada Only)
 NEMA Type 4, 4X, 12, 13
 Class I, Zone 1, AEx d e mb IIC T6 -55°C < Tamb < +60°C
 Ex d e mb IIC -55°C < Tamb < +60°C (Canada)
 IECEx Ex d e mb IIC -55°C < Tamb < +60°C
 IECEx UL 11.0013U

IECEX Ex tD A21 IP66
 DEMKO 11 ATEX 1005210U
 CE 0539 II 2 G Ex e II T6 (T5: Ta < +55°C) (T4: Ta < +70°C)
 CE 0539 II 2 D Ex tD A21 IP66 T200°C
 DIP
 DIP A21 T_AT6 X



CABLE GLANDS

Adalet offers a variety of cable glands and fittings used in hazardous location applications. Available in brass, nickel plated brass, or stainless steel, the cable glands are for use in hazardous areas within the oil & gas, petrochemical, and marine applications. These fittings carry global certifications and are available in various gland sizes for metric and NPT threads. Available for both Exd and Exe applications, the cable glands can be equipped with various options such as special threads, seals, and plating.



*Consult factory for details



CSC4X6 Series Pushbutton Station Enclosures

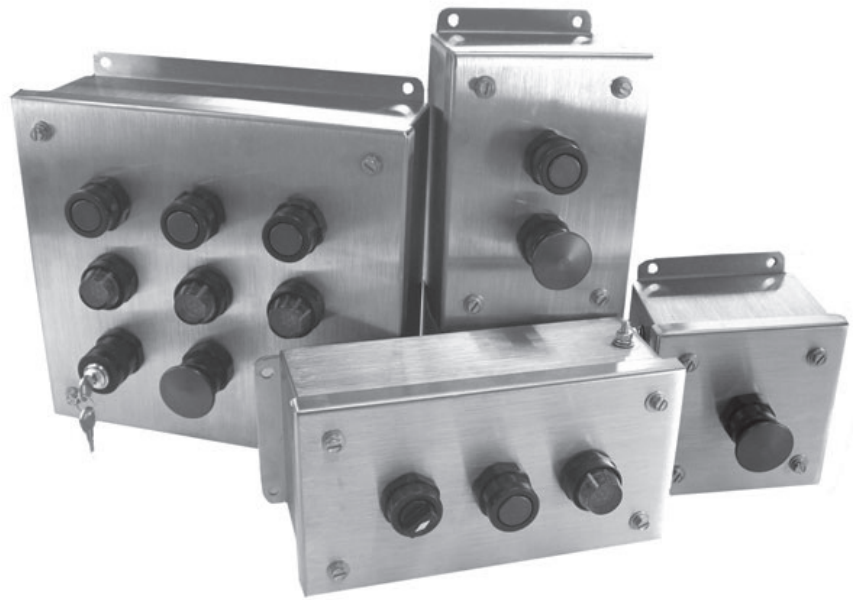
Ten standard designs make up the CSC4X(6) line of stainless steel 316L or 304 control station enclosures ranging from 1 hole to 16 holes. Design configurations include in-line options for 1 to 4 holes as well as larger enclosures for 2 x 2 up to 4 x 4 designs. Custom sizes and hole configurations are available up to 24" x 24". The enclosures feature a continuous one piece silicone gasket which provides an IP66 ingress rating for dust-tight and water-tight locations. Cover hole cut-outs are 30.5mm openings and are designed to house Adalet's standard line of increased safety pushbuttons, pilot lights, and selector switches.

STANDARD FEATURES

- 10 standard sizes with 4" or 6" depth
- Hole configurations from 1 to 16 holes
- Vertical in-line configurations from 1 to 4 holes
- Watertight gasket provides ingress protection against water and dust
- Welded on external mounting brackets
- Captive hex head / slotted cover bolts
- Drilled cover entries for 30.5mm operators
- Internal / external earth stud
- Box and cover ground stud

DESIGN OPTIONS

- Mounting panels or universal rail mount system
- Drilled entries and cut-outs
- Stopping plugs
- Gland plates on 6" deep enclosures
- Adalet Increased Safety operators
- Terminal block assemblies
- Legend plates
- Breather or drain
- Internal earth bar



MATERIAL

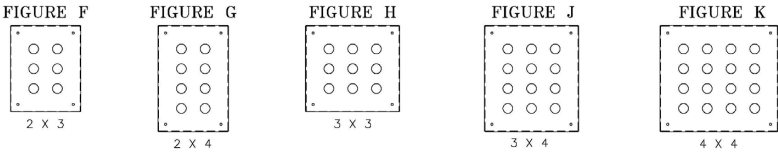
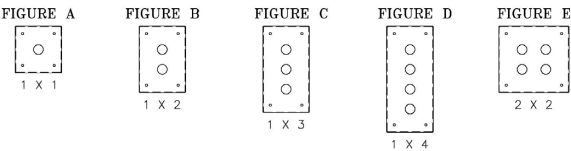
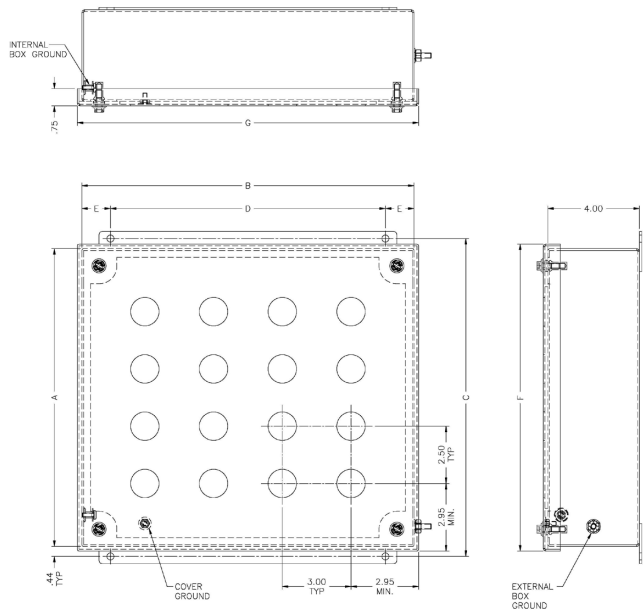
- Type 316L or 304 stainless steel
- Enclosure and cover constructed from 14 gauge (.075) stainless steel with #3/4 brush finish
- Gland plates constructed from 10 gauge (.1345) stainless steel with #3/4 brush finish
- Silicone gasket constructed from 1/4" Bisco silicone with acrylic PSA
- Gland plate 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 d e mb IIC T6 (T5:Ta<+55 °C)
NEMA Type 4X
Ex d e mb IIC T6X (T5:Ta<+55 °C)
Ex d e mb IIC T6 (T5:Ta<+55 °C)
Ex tD A21 IP66 T200 °C

IECEx UL 09.0024X
DEMKO 01 ATEX 130438X
CE 0539 II 2 G Ex d e mb IIC T6 (T5: Ta<+55 °C)
CE 0539 II 2 D Ex tD A21 IP66 T200 °C





ENCLOSURE DIMENSIONS									
ENCLOSURE CATALOG NUMBER	HOLES	FIG.	A	B	C	D	E	F	G
CSC4X6-050504 (1x1)	1	A	5.50	5.50	6.25	4.00	0.75	5.90	5.90
CSC4X6-050506 (1x1 w/ Terminal Blocks)	1	A	5.50	5.50	6.25	4.00	0.75	5.90	5.90
CSC4X6-080504 (1x2)	2	B	8.00	5.50	8.75	4.00	0.75	8.40	5.90
CSC4X6-080506 (1x2 w/ Terminal Blocks)	2	B	8.00	5.50	8.75	4.00	0.75	8.40	5.90
CSC4X6-100504 (1x3)	3	C	10.50	5.50	11.25	4.00	0.75	10.90	5.90
CSC4X6-100506 (1x3 w/ Terminal Blocks)	3	C	10.50	5.50	11.25	4.00	0.75	10.90	5.90
CSC4X6-130504 (1x4)	4	D	13.00	5.50	13.75	4.00	0.75	13.40	5.90
CSC4X6-130506 (1x4 w/ Terminal Blocks)	4	D	13.00	5.50	13.75	4.00	0.75	13.40	5.90
CSC4X6-080804 (2x2)	4	E	8.00	8.50	8.75	6.00	1.25	8.40	8.90
CSC4X6-080806 (2x2 w/ Terminal Blocks)	4	E	8.00	8.50	8.75	6.00	1.25	8.40	8.90
CSC4X6-100804 (2x3)	6	F	10.50	8.50	11.25	6.00	1.25	10.90	8.90
CSC4X6-100806 (2x3 w/ Terminal Blocks)	6	F	10.50	8.50	11.25	6.00	1.25	10.90	8.90
CSC4X6-130804 (2x4)	8	G	13.00	11.50	13.75	6.00	1.25	13.40	8.90
CSC4X6-130806 (2x4 w/ Terminal Blocks)	8	G	13.00	11.50	13.75	6.00	1.25	13.40	8.90
CSC4X6-101104 (3x3)	9	H	10.50	11.50	11.25	10.00	0.75	10.90	11.90
CSC4X6-101106 (3x3 w/ Terminal Blocks)	9	H	10.50	11.50	11.25	10.00	0.75	10.90	11.90
CSC4X6-131104 (3x4)	12	J	13.00	11.50	13.75	10.00	0.75	13.40	11.90
CSC4X6-131106 (3x4 w/ Terminal Blocks)	12	J	13.00	11.50	13.75	10.00	0.75	13.40	11.90
CSC4X6-131404 (4x4)	16	K	13.00	14.50	13.75	12.00	1.25	13.40	14.90
CSC4X6-131406 (4x4 w/ Terminal Blocks)	16	K	13.00	14.50	13.75	12.00	1.25	13.40	14.90

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

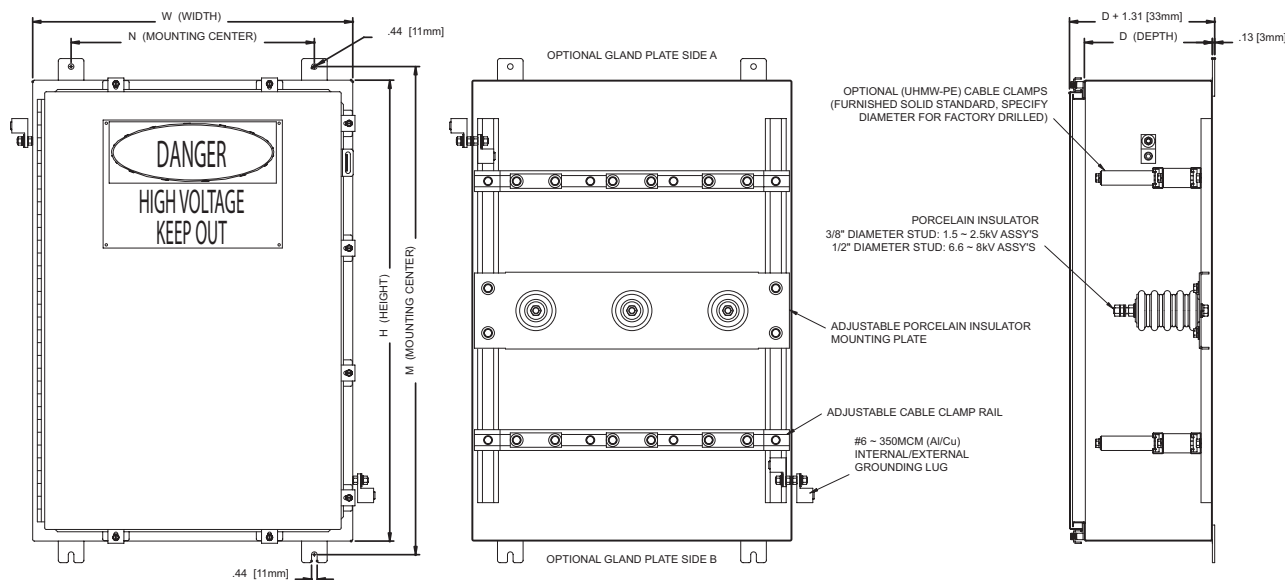


CERTIFICATIONS

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	

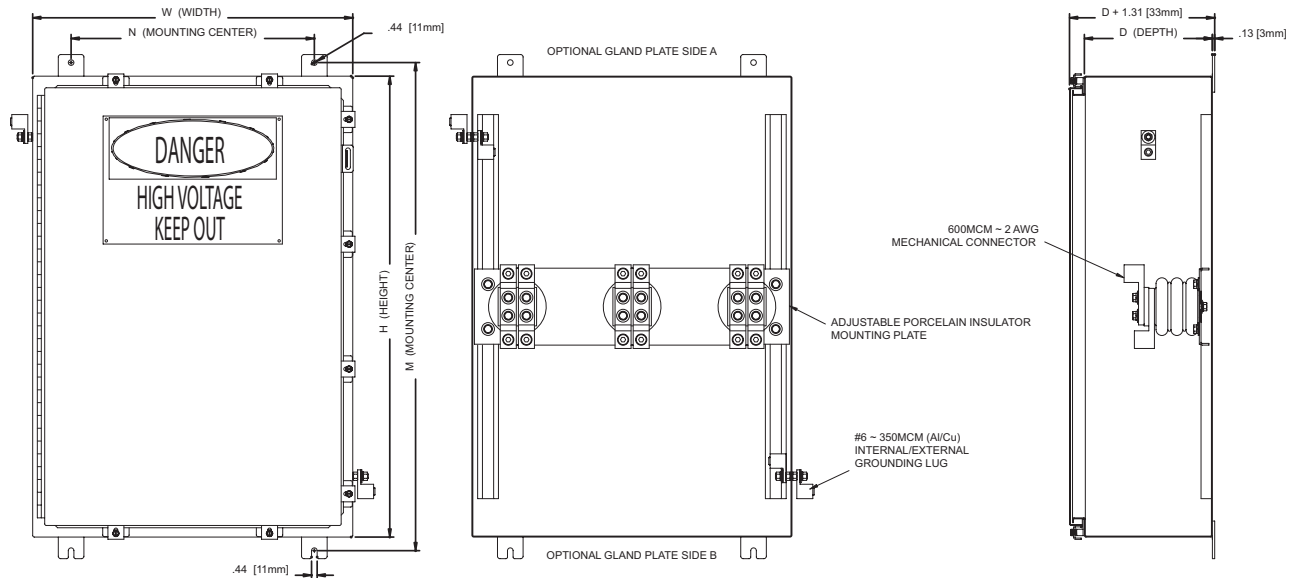
MIN CONDUCTOR SIZE		AMPERAGE	
mm ²	AWG/MCM	MAX	
10	8	50	
16	6	63	
25	4	80	
35	2	100	
50	1/0	125	
70	2/0	160	
95	3/0	200	
120	410	225	
150	250	250	
185	350	315	
240	400	400	
300	500	500	

- 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	500	250
HV4X6-242008	24.00	20.00	8.00	25.25	14.00	1.1kV	630	315	630	315	630	315
HV4X6-242408	24.00	24.00	8.00	25.25	18.00	1.1kV	630	315	630	315	630	315
HV4X6-202010	20.00	20.00	10.00	21.25	14.00	1.1kV	500	250	500	250	500	250
HV4X6-242010	24.00	20.00	10.00	25.25	14.00	1.1kV	630	315	630	315	630	315
HV4X6-302010	30.00	20.00	10.00	31.25	14.00	1.1kV	650	325	800	400	800	400
HV4X6-242410	24.00	24.00	10.00	25.25	18.00	1.1kV	630	315	630	315	630	315
HV4X6-302410	30.00	24.00	10.00	31.25	18.00	1.1kV	650	325	800	400	800	400
HV4X6-362410	36.00	24.00	10.00	37.25	18.00	1.1kV	650	325	800	400	800	400
HV4X6-362510	36.00	25.00	10.00	37.25	19.00	1.1kV	650	325	1000	500	1000	500
HV4X6-603610	60.00	36.00	10.00	61.25	30.00	1.1kV	650	325	1000	500	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

- NOTES**
1. For stainless steel 304 assemblies substitute HV4X6- prefix with HV4X- prefix.
 2. Please specify working voltage, amperage and conductor size when requesting quote.
 3. For conduit/cable entry spacing, wire bending and wire conversion guidelines, refer to inside back cover of this catalog.
 4. 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)

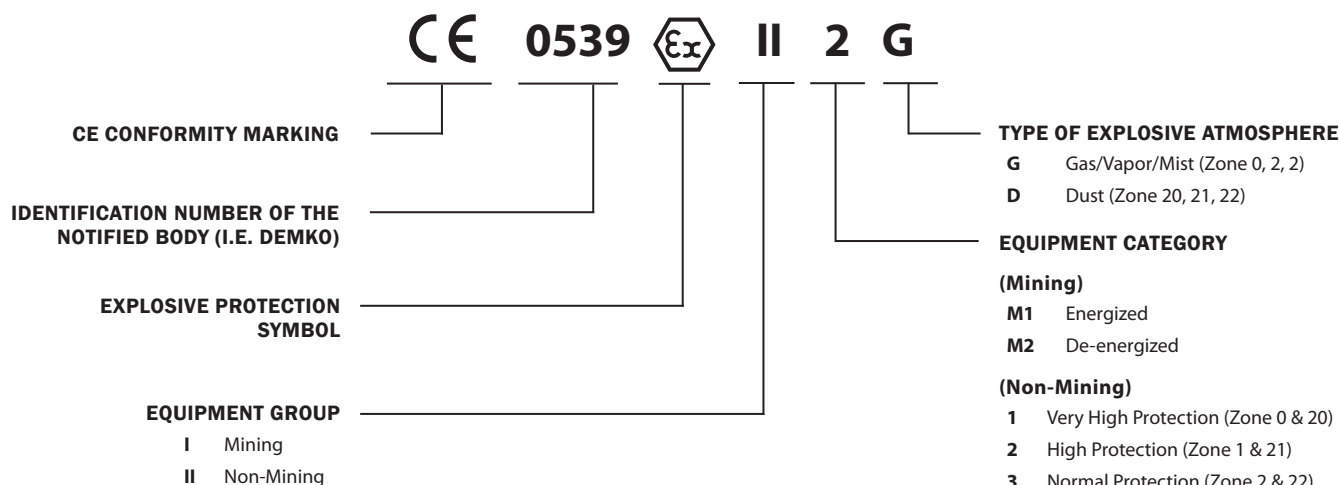
SEND ORDERS TO ORDERS@ADALET.COM

T: 216.267.9000 | F: 216.267.1681 | info@adalet.com

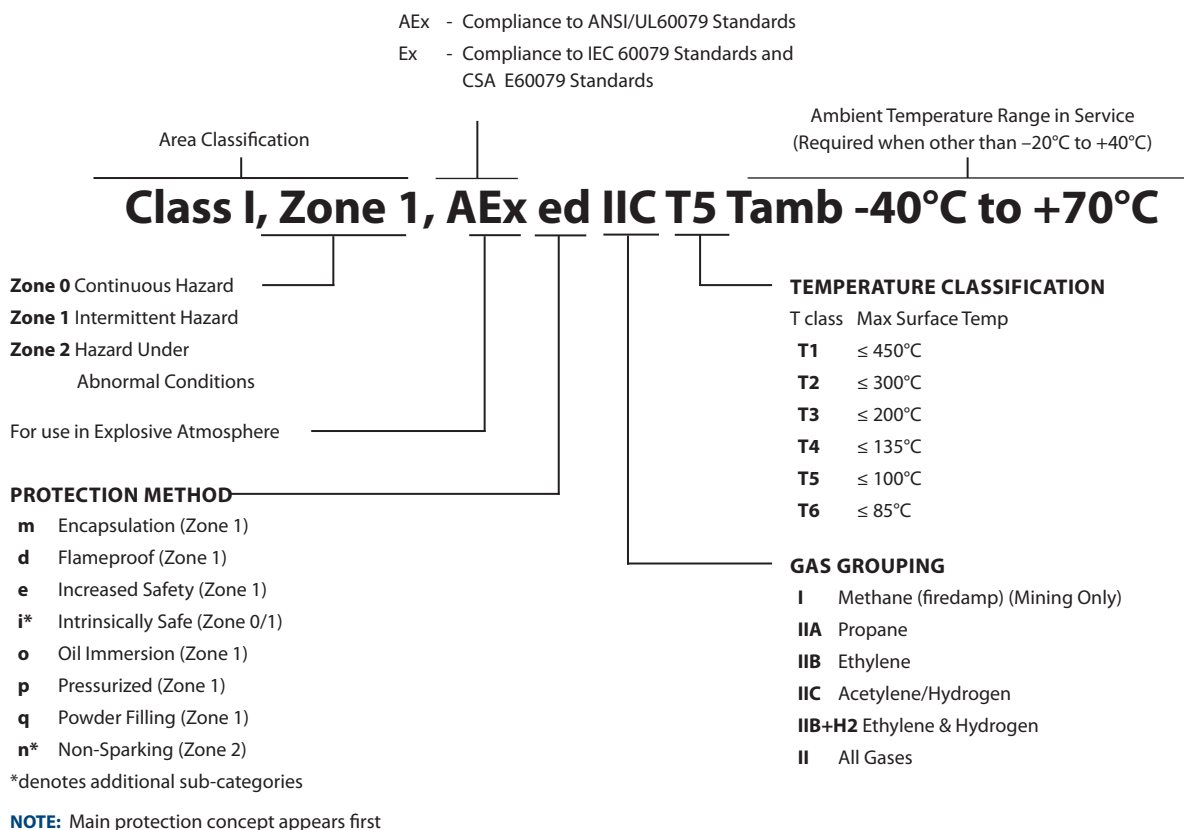
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Equipment Marking

ATEX Directive



NEC 505, CEC Sec.18, IEC, CENELEC



METHODS OF PROTECTION

Protection Method	Permitted Use	ATEX Equipment Category	UL	Certification Documents		
				CSA	CENELEC	IEC
Explosionproof	Division 1	--	ANSI/UL 1203	CSA-30	--	--
Intrinsically Safe (2 Fault)	Division 1	--	ANSI/UL 913	CSA-157	--	--
Purge/Pressurized (Type X or Y)	Division 1	--	ANSI/NFPA 496	ANSI/NFPA 496	--	--
Nonincendive	Division 2	--	UL 1604	CSA-213	--	--
Non-sparking device	Division 2	--	UL 1604	CSA-213	--	--
Purge/Pressurized (Type Z)	Division 2	--	ANSI/NFPA 496	ANSI/NFPA 496	--	--
Hermetically sealed	Division 2	--	UL 1604	CSA-213	--	--
Any Class I, Division 1 Method	Division 2	--	--	--	--	--

Protection Method	Permitted Use	ATEX Equipment Category	UL (AEx)	Certification Documents		
				CSA (Ex)	CENELEC (EEEx)	IEC (Ex)
Intrinsically Safe 'ia' (2 Fault)	Zone 0	M1 & 1	ANSI/UL 60079-11	CAN/CSA-E60079-11	EN 60079-11 & -25	IEC 60 079-11
Flameproof 'd'	Zone 1	M2 & 2	ANSI/UL 60079-1	CAN/CSA-E60079-1	EN 60079-1	IEC 60 079-1
Increased Safety 'e'	Zone 1	M2 & 2	ANSI/UL 60079-7	CAN/CSA-E60079-7	EN 60079-7	IEC 60 079-7
Intrinsically Safe 'ib' (1 Fault)	Zone 1	M2 & 2	ANSI/UL 60079-11	CAN/CSA-E60079-11	EN 60079-11 & -25	IEC 60 079-11
Encapsulation 'm'	Zone 1	2	ANSI/UL 60079-18	CAN/CSA-E79-18	EN 60079-18	IEC 60 079-18
Oil Immersion 'o'	Zone 1	2	ANSI/UL 60079-6	CAN/CSA-E60079-6	EN 60079-6	IEC 60 079-6
Purged/Pressurized 'p'	Zone 1	2	ANSI/NFPA 496	CAN/CSA-E60079-2	EN 60079-2	IEC 60 079-2
Powder filling 'q'	Zone 1	2	ANSI/UL 60079-5	CAN/CSA-E60079-5	EN 60079-5	IEC 60 079-5
Any Zone 0 Method	Zone 1	--	--	--	--	--
Non-sparking 'nA'	Zone 2	3	ANSI/UL 60079-15	CAN/CSA-E60079-15	EN 60079-15	IEC 60 079-15
Hermetically sealed 'nC'	Zone 2	3	ANSI/UL 60079-15	CAN/CSA-E60079-15	EN 60079-15	IEC 60 079-15
Nonincendive 'nC'	Zone 2	3	ANSI/UL 60079-15	CAN/CSA-E60079-15	EN 60079-15	IEC 60 079-15
Restricted breathing 'nR'	Zone 2	3	ANSI/UL 60079-15	CAN/CSA-E60079-15	EN 60079-15	IEC 60 079-15
Any Zone 0 or 1 Method	Zone 2	--	--	--	--	--

ATEX EQUIPMENT CLASSIFICATIONS

Equipment Group	Equipment Category	Atmosphere	Level of Protection	Required Protection
I	M1	Methane & Dust	Very High	Two faults, remain energized and functioning
I	M2		High	Severe normal operations, de-energize in explosive atmosphere
II	1	Gas, Vapors, Mist & Dust	Very High	Two faults, remain energized and functioning
II	2		High	One fault
II	3		Low	Normal operation

AREA CLASSIFICATIONS

NEC 500	Class I	Potentially explosive gas or vapor
	Class II	Potentially explosive dust
	Class III	Potentially explosive fiber
	Division 1	Potentially explosive substance present under normal operating conditions
	Division 2	Potentially explosive substance present under abnormal operating conditions
NEC 505, IEC, Europe	Zone 0	Explosive gas present continuously
	Zone 1	Explosive gas present occasionally under normal operating conditions
	Zone 2	Explosive gas present for short period
	Zone 20	Explosive dust present continuously
	Zone 21	Explosive dust present occasionally under normal operating conditions
	Zone 22	Explosive dust present for short period

INGRESS PROTECTION (IP XX) CODES - IEC60529

First Digit	Protection Against Solid Bodies	Second Digit	Protection Against Liquids
0	No protection	0	No protection
1	Objects > 50mm	1	Vertically dripping water
2	Objects > 12mm	2	75-90 Deg. dripping water
3	Objects > 2.5mm	3	Sprayed water
4	Object > 1mm	4	Splashed water
5	Dust Protected	5	Water jets
6	Dust-tight	6	Heavy seas
7	--	7	Effects of immersion
8	--	8	Indefinite immersion

NEMA TYPE DESIGNATIONS

Enclosure Type	Intended Use and Description
1	Indoor use primarily to provide a degree of protection against limited amounts of falling dirt.
2	Indoor use primarily to provide a degree of protection against limited amounts of falling water and dirt.
3	Outdoor use primarily to provide a degree of protection against rain, sleet, wind blown dust and damage from external ice formation.
3R	Outdoor use primarily to provide a degree of protection against rain, sleet, and damage from external ice formation.
3S	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust and to provide for operation of external mechanisms when ice laden.
4	Indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.
4X	Indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water, and damage from external ice formation.
5	Indoor use primarily to provide a degree of protection against settling airborne dust, falling dirt, and dripping noncorrosive liquids.
6	Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, and the entry of water during occasional temporary submersion at limited depth and damage from external ice formation.
6P	Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during prolonged submersion at a limited depth and damage from external ice formation.
7	Indoor use in locations classified as Class I, Division 1, Groups A, B, C or D hazardous locations as defined in the National Electric Code (NFPA 70) (Commonly referred to as explosion-proof).
8	Indoor or outdoor use in locations classified as Class I, Division 2, Groups A, B, C or D hazardous locations as defined in the National Electric Code (NFPA 70) (commonly referred to as oil immersed).
9	Indoor use in locations classified as Class II, Division 1, Groups E, F and G hazardous locations as defined in the National Electric Code (NFPA 70) (commonly referred to as dust-ignition proof).
10	Intended to meet the applicable requirements of the Mine Safety and Health Administration (MSHA).
12 and 12K	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping noncorrosive liquids.
13	Indoor use primarily to provide a degree of protection against dust, spraying of water, oil, and noncorrosive coolant

ATMOSPHERE GROUPS

Gas, Dust, Fiber	NEC 505, IEC, Europe	NEC 500
Acetylene	Group IIC	Group A
Hydrogen	Group IIC (IIB+H2)	Group B
Ethylene	Group IIB	Group C
Propane	Group IIA	Group D
Methane	Group I (firedamp)	Group D
Metal Dust	None	Group E
Coal Dust	None	Group F
Grain Dust	None	Group G
Fibers	None	None

TEMPERATURE CLASSES

Maximum Surface Temperature	NEC 505, IEC, Europe	NEC 500
450° C	T1	T1
300° C	T2	T2
280° C	---	T2A
260° C	---	T2B
230° C	---	T2C
215° C	---	T2D
200° C	T3	T3
180° C	---	T3A
165° C	---	T3B
160° C	---	T3C
135° C	T4	T4
120° C	---	T4A
100° C	T5	T5
85° C	T6	T6

MINIMUM SPACING BETWEEN CENTERS OF CONDUIT OR CABLE ENTRIES

NPT [metric]	3 [M75]	2-1/2 [M63]	2 [M50]	1-1/2 [M40]	1-1/4 [M32]	1 [M25]	3/4 [M20]	1/2 [M16]
1/2 [M16]	3 [77mm]	2-5/8 [68mm]	2-3/8 [61mm]	2 [51mm]	1-7/8 [48mm]	1-5/8 [42mm]	1-3/8 [35mm]	1-1/4 [32mm]
3/4 [M20]	3-1/8 [80mm]	2-3/4 [70mm]	2-1/2 [64mm]	2-1/8 [54mm]	2 [51mm]	1-3/4 [45mm]	1-1/2 [38mm]	1-3/8 [35mm]
1 [M25]	3-1/4 [83mm]	2-7/8 [74mm]	2-3/4 [70mm]	2-1/4 [58mm]	2-1/8 [54mm]	1-7/8 [48mm]	1-3/4 [45mm]	1-5/8 [42mm]
1-1/4 [M32]	3-1/2 [89mm]	3-1/8 [80mm]	2-7/8 [74mm]	2-1/2 [64mm]	2-3/8 [61mm]	2-1/8 [54mm]	2 [51mm]	1-7/8 [48mm]
1-1/2 [M40]	3-5/8 [92mm]	3-1/4 [83mm]	3 [77mm]	2-5/8 [68mm]	2-1/2 [64mm]	2-1/4 [58mm]	2-1/8 [54mm]	2 [51mm]
2 [M50]	3-5/8 [92mm]	3-5/8 [92mm]	3-3/8 [86mm]	3 [77mm]	2-7/8 [74mm]	2-3/4 [70mm]	2-1/2 [64mm]	2-3/8 [61mm]
2-1/2 [M63]	3-5/8 [92mm]	3-7/8 [99mm]	3-5/8 [92mm]	3-1/4 [83mm]	3-1/8 [80mm]	2-7/8 [74mm]	2-3/4 [70mm]	2-5/8 [68mm]
3 [M75]	4-5/8 [118mm]	3-5/8 [92mm]	3-5/8 [92mm]	3-5/8 [92mm]	3-1/2 [89mm]	3-1/4 [83mm]	3-1/8 [80mm]	3 [77mm]

MINIMUM DISTANCE FROM CONDUIT/CABLE CENTER TO EDGE OF BOX/ OPENING

NPT [metric]	3 [M75]	2-1/2 [M63]	2 [M50]	1-1/2 [M40]	1-1/4 [M32]	1 [M25]	3/4 [M20]	1/2 [M16]
Min. Distance	1-3/4 [45mm]	1-7/16 [37mm]	1-3/16 [31mm]	1 [26mm]	7/8 [23mm]	11/16 [18mm]	9/16 [14mm]	1/2 [13mm]

MINIMUM WIRE BENDING REQUIREMENTS

AWG/MCM (mm ²)	16 (1.5)	14 (2.5)	12 (4)	10 (6)	8 (10)	6 (16)	4 (25)	2 (35)
Min. Distance	1-1/2 [38mm]	1-1/2 [38mm]	1-1/2 [38mm]	1-1/2 [38mm]	2 [51mm]	3 [77mm]	3-1/2 [89mm]	5-1/2 [140mm]

AWG/MCM (mm ²)	1/0 (50)	2/0 (70)	3/0 (95)	4/0 (120)	250 (150)	350 (185)	400 (240)	500 (300)
Min. Distance	6 [152mm]	6-1/2 [165mm]	7 [178mm]	8-1/2 [216mm]	10 [254mm]	12 [305mm]	13 [330mm]	14 [356mm]

ELECTRICAL WIRE CONVERSION

AWG/MCM	22	20	18	16	14	12	10	8	6	4	2
Metric (mm ²)	0.50	0.75	1.0	1.5	2.5	4	6	10	16	25	35

AWG/MCM	1/0	2/0	3/0	4/0	250	350	400	500	750	1000	1500
Metric (mm ²)	50	70	95	120	150	185	240	300	400	625	800

NOTES:

1. The minimum spacing and distance tables provided for conduit/cable fittings and entries are based on maintaining a minimum wall section. They do not take into consideration wrench clearances and locknut turning radius. Consult conduit/cable fitting manufacturer for suggested wrench clearances or spacing.

This information is compiled from data which we believe is reliable and is given in good faith. Since the methods of application and condition under which our products are used are beyond our control, we are not able to guarantee the application and/or use of same. The user assumes all risks and liability in connection with the application and use of our products.

Explosionproof / Dust-Ignition Proof Enclosures

Adalet offers a line of explosionproof and dust-ignition proof enclosures that provide reliable protection and allows electrical instrumentation and control devices to remain safe from the danger of an explosion. Adalet explosionproof enclosures are typically used in the packaging of electrical/electronic components for control, measurement or monitoring applications in hazardous environments. With help from our engineering department, Adalet explosionproof enclosures can be modified for installation with a variety of our explosionproof operator devices, viewing windows and accessories.

EXPLOSIONPROOF & DUST-IGNITION PROOF ENCLOSURES

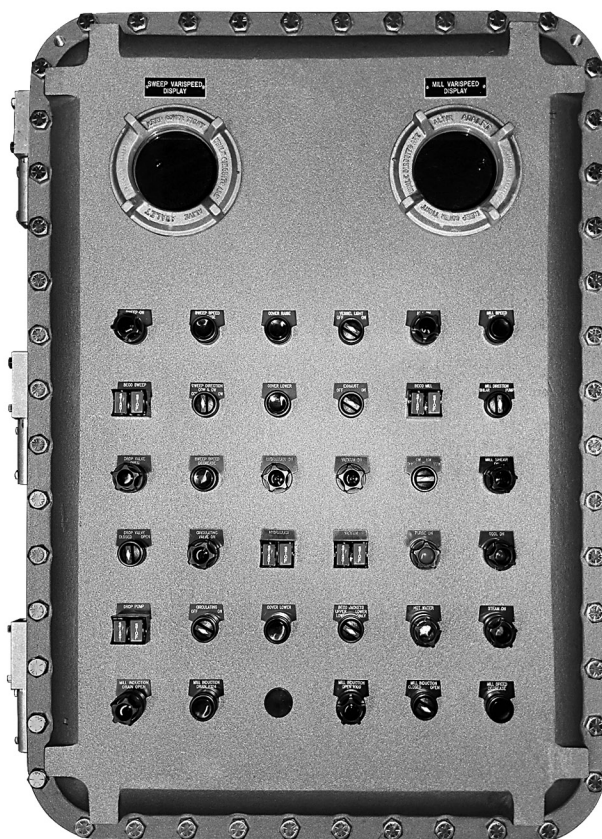
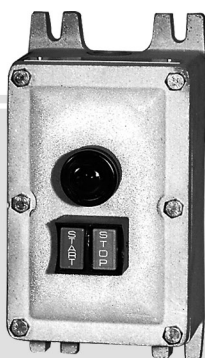
AVAILABLE MODELS

- Junction Boxes
- Control Enclosures
- High Voltage Enclosures
- ATEX Control Panels
- Internal Flanged Enclosures
- Pendant Stations
- Operator Stations
- Dust-Ignition Proof Enclosures

STANDARD FEATURES

- Enclosure: most sizes in industry with over 75 standard sizes. Stainless steel versions available in select sizes.
- Fully customizable: All enclosures can be built to spec with conduit/operator drilling & tapping, round or square/rectangular viewing windows, watertight gaskets for washdown applications, hinge kits, mounting panels, breaker handles, breather / drains, etc.
- Operator / pendant stations available in 1-18 vertical operator configurations
- Approvals: Extensive approvals including UL, cUL, ATEX, IEC, IECEx
- Over 75 custom paint colors to match OEM or end user color schemes
- Largest selection of design options provides flexibility to meet your application needs

Explosionproof / Dust-Ignition Proof Enclosures



Contents

Explosionproof / Dust-Ignition Proof Enclosures

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XCE SERIES & XJF

XCE: Explosionproof Control Enclosures

XCEX: Flameproof Control Enclosures

XCEQ: Explosionproof Quad-Lead Control Enclosures

XJF: Explosionproof Junction Boxes

STANDARD FEATURES

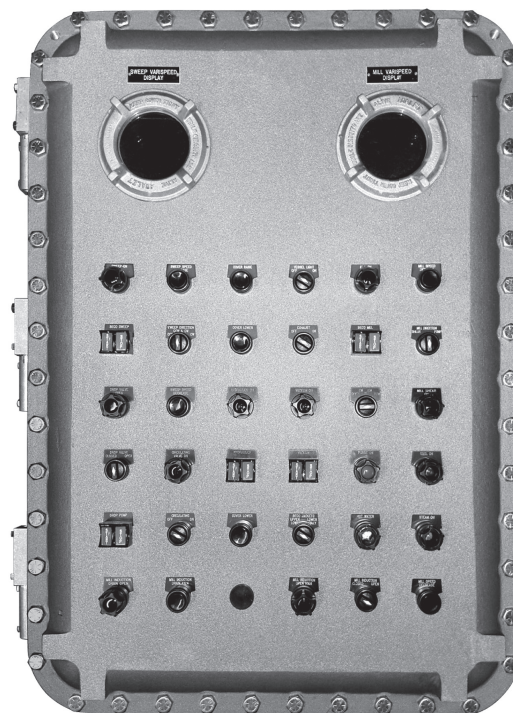
- 75 standard sizes available
- Corrosion resistant, copper free aluminum (¾ of 1%)
- Pre-drilled hinge holes (hinge optional)
- Pre-drilled mounting panel bosses (mounting panel optional)
- NEMA 4 watertight gasket
- Premium, high strength steel cover bolts (zinc plated and coated)
- Internal / external grounding screws
- Removable lifting eye bolts (18x24 and larger)
- Lid-lifter cover alignment device (18x24 and larger)
- Cast-on mounting lugs / feet
- Tumbleblast, natural aluminum finish

DESIGN OPTIONS

- Stainless steel cover bolts for NEMA 4X corrosion protection
- Mounting panels - Available in galvanized steel (XSM) or aluminum (XSA)
- Aluminum hinge kits with stainless steel hardware
- Conduit (NPT & metric) and device (NPSM) drilling & tapping
- Operators and auxiliary devices such as breather / drains and flame arrestors
- Quad lead, quick thread cover bolts (designate XCEQ when ordering, not available on XCEX)
- Window kits - Round (up to 8" viewing diameter or square/rectangular (up to 13" x 13"))
- Custom machining - Milling, counter-boring, spot-facing, blind drilled entries, chamfers
- Panel assembly / population
- Custom cast-on logos
- Powder and epoxy coating for additional corrosion resistance
- Special mounting provisions
- Captive bolt retainer plate

MATERIAL

- Enclosure - Copper free aluminum (¾ of 1%)
- Cover Bolts - Steel, zinc plated and coated



CERTIFICATIONS

XCE Series:

Class I, Division 1, Gas Groups BCD	UL 1203
Class II, Division 1, Gas Groups EFG	CSA C22.2 No. 30
Class III	UL 50
NEMA Type 4, 7, 9	
NEMA Type 4X (w/ SS cover bolts)	

XCEX Series:

Class I, Division 1, Gas Groups BCD	UL 1203
Class II, Division 1, Gas Groups EFG	CSA C22.2 No. 30
Class III	UL 50
NEMA Type 4, 7, 9	
NEMA Type 4X (w/ SS cover bolts)	
Class I, Zone 1, AExd IIB	UL 60079-0 / UL 60079-1
Exd IIB	CSA 60079-0 / CSA 60079-1
CE 0539 Ex Ex II 2GD (Optional)	EN 60079-0 / EN 60079-1
IP66	IEC 60529
NEMA Type 4X (w/ N4X suffix)	

Certifications

XJF: Explosionproof Junction Boxes

CERTIFICATIONS

Class I, Division 1, Gas Groups B*,C, D
Class II, Division 1, Gas Groups E, F, G
NEMA Type 4 (with N4 suffix)

*N4 suffix may affect Group B approval, consult factory



LISTED 437S



XCE/XCEQ: Explosionproof / Quad-Lead Enclosures

CERTIFICATIONS

Class I, Division 1, Gas Groups B*,C, D
Class II, Division 1, Gas Groups E, F, G
Class III
NEMA Type 4 (with N4 suffix)
NEMA Type 4X (w/SS cover bolts)

*Specify Group B if required w/N4 suffix



XCEX: Flameproof Enclosures

CERTIFICATIONS

Class I, Division 1, Gas Groups B*,C, D
Class II, Division 1, Gas Groups E, F, G
Class III
Class I, Zone 1, AEx d IIB
Ex d IIB
Epsilon 07 ATEX 2251U
CE 0539 Ex II 2GD Ex d II B
Ex d IIB+H2 (Optional)*
Ex tD A21: IP 66

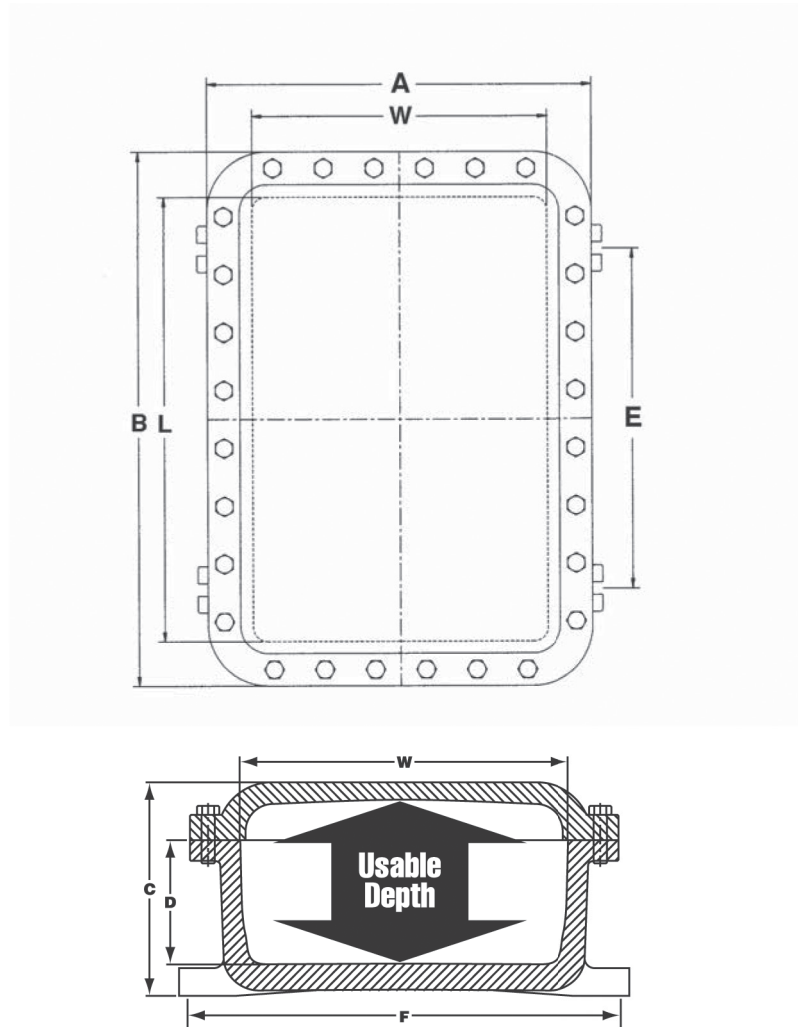
* Specify ATEX / IECEx if required

NEMA Type 4 (with N4 suffix)
NEMA Type 4X (w/SS cover bolts)
IECEx UL 10.0046U
Exd IIB Gb
Extd A21 / IP66
DEMKO 01 ATEX 01294724
Ex II 2 G Exd IIB Gb
Ex II 2 D Extd A21
IP66



NOTE: Where reference is made to Class I and Class II hazardous locations, the equipment is suitable for both Div. 1 and Div. 2 locations.

XCE SERIES & XJF



DESIGN OPTIONS

Mounting Panels

- Steel: (XSM) Galvanized 12 gauge steel plate. The catalog number includes the steel mounting pan complete with 1/4" high spacers and stainless steel mounting screws.
- Aluminum: (XSA) consult factory for availability.

- NOTE**
1. No installation charge when customer specifies factory installation of mounting pan.
 2. Enclosures are pre-drilled for mounting panel unless otherwise specified.

Hinge Kits

Made of extruded aluminum alloy consisting of two sections, female and male (with stainless steel pin) and four stainless steel hex head bolts. Designed to allow right or left hand removable or non-removable installation.

Unless specified, left hand removable hinge installation will be furnished by factory when hinged enclosures are ordered.

- NOTE**
1. Catalog number represents complete hinge sets necessary for enclosure assembly.
 2. Enclosures are pre-drilled for hinge kits unless otherwise specified.
 3. Hinges are left side removable standard

XCE SERIES & XJF

XCE Series																
CAT. NUMBER XCE or XJF	INSIDE NOM. DIM.			USABLE DEPTH	OVERALL DIM.			MTG LUG E F		MTG BOLT SIZE	SHIPPING WT. (LBS)	PANEL PART NO.		PANEL DIM. X Y		HINGE CAT#
-041604	4	16	4	4 ¾	7 ¼	19 ¼	6	12 ⅝	6 ¾	¾	25	XSM0416	XSA0416	3 ¼	15 ¼	XHB-2
-060804	6	8	4	4 ⅝	9 ¼	11 ¼	5 ⅞	4 ½	9 ⅞	¾	21	XSM0608	XSA0608	5 ⅝	7 ⅞	XHB-2
-060805	6	8	5	5 ⅝	9 ¼	11 ¼	6 ⅞	4 ½	9 ⅞	¾	23	XSM0608	XSA0608	5 ⅝	7 ⅞	XHB-2
-060806	6	8	6	6 ⅝	9 ¼	11 ¼	7 ⅞	4 ½	9 ⅞	¾	25	XSM0608	XSA0608	5 ⅝	7 ⅞	XHB-2
-061105	6	11	5	5 ⅞	9 ¼	14 ¼	7 ¾	7 ½	9 ⅞	¾	24	XSM0611	XSA0611	5 ⅝	10 ⅞	XHB-2
-061204	6	12	4	4 ¾	9 ¼	15 ¼	6 ⅞	8 ½	9 ⅞	¾	24	XSM0612	XSA0612	5 ⅝	11 ⅞	XHB-2
-061206	6	12	6	6 ¾	9 ¼	15 ¼	8 ⅞	8 ½	9 ⅞	¾	29	XSM0612	XSA0612	5 ⅝	11 ⅞	XHB-2
-061305	6	13	5	5 ⅞	9 ¼	16 ¼	7 ¾	9 ½	9 ⅞	¾	26	XSM0613	XSA0613	5 ⅝	12 ⅞	XHB-2
-071004	7	10	4	4 ¾	10 ⅜	13 ⅜	6 ¾	6 ½	9 ¾	¾	27	XSM0710	XSA0710	6 ⅞	9 ⅞	XHB-2
-071006	7	10	6 ⅞	6 ¾	10 ⅜	13 ⅜	8 ¾	6 ½	9 ¾	¾	31	XSM0710	XSA0710	6 ⅞	9 ⅞	XHB-2
-071805	7	18	5	5 ¾	10 ⅜	21 ⅝	7 ¾	14 ½	9 ¾	¾	55	XSM0718	XSA0718	6 ⅞	17 ⅜	XHB-2
-080804	8	8	4	4 ⅞	11 ⅜	11 ⅜	6 ¾	4 ¼	11	¾	24	XSM0808	XSA0808	7	7	XHB-2
-080806	8	8	6	6 ⅞	11 ⅜	11 ⅜	8 ⅞	4 ¼	11	¾	28	XSM0808	XSA0808	7	7	XHB-2
-080808	8	8	8	8 ⅞	11 ⅜	11 ⅜	10 ⅜	4 ¼	11	¾	35	XSM0808	XSA0808	7	7	XHB-2
-081004	8	10	4	4 ¾	11 ⅜	13 ⅜	6 ¼	6 ½	10 ¾	¾	30	XSM0810	XSA0810	7	9 ⅞	XHB-2
-081006	8	10	6	6 ¾	11 ⅜	13 ⅜	8 ¼	6 ½	10 ¾	¾	34	XSM0810	XSA0810	7	9 ⅞	XHB-2
-081008	8	10	8	8 ¾	11 ⅜	13 ⅜	10 ¼	6 ½	10 ¾	¾	39	XSM0810	XSA0810	7	9 ⅞	XHB-2
-081204	8	12	4	4 ¾	11 ⅜	15 ⅝	6 ¼	8 ½	10 ¾	¾	34	XSM0812	XSA0812	6 ⅞	10 ⅞	XHB-2
-081206	8	12	6	6 ¾	11 ⅜	15 ⅝	8 ¼	8 ½	10 ¾	¾	42	XSM0812	XSA0812	6 ⅞	10 ⅞	XHB-2
-081208	8	12	8	8 ¾	11 ⅜	15 ⅝	10 ¼	8 ½	10 ¾	¾	48	XSM0812	XSA0812	6 ⅞	10 ⅞	XHB-2
-091105	9	11	5	5 ¾	12 ⅜	14 ⅜	7 ¾	7 ½	12	¾	41	XSM0911	XSA0911	8	10	XHB-2
-101004	10	10	4	4 ¾	13 ⅜	13 ⅜	6 ¾	6 ½	13	¾	34	XSM1010	XSA1010	8 ⅞	8 ⅞	XHB-2
-101006	10	10	6	6 ¾	13 ⅜	13 ⅜	8 ¾	6 ½	13	¾	44	XSM1010	XSA1010	8 ⅞	8 ⅞	XHB-2
-101008	10	10	8	8 ¾	13 ⅜	13 ⅜	10 ⅞	6 ½	13	¾	50	XSM1010	XSA1010	8 ⅞	8 ⅞	XHB-2
-101206	10	12	6¼	7 ¼	13 ⅜	15 ⅝	8 ⅞	8 ½	13	¾	46	XSM1012	XSA1012	10 ⅞	8 ⅞	XHB-2
-101404	10	14	4	4 ¾	13 ⅜	17 ⅝	6 ¾	10 ⅞	13	¾	42	XSM1014	XSA1014	8 ⅞	12 ⅞	XHB-2
-101406	10	14	6	6 ¾	13 ⅜	17 ⅝	8 ¾	10 ⅞	13	¾	49	XSM1014	XSA1014	8 ⅞	12 ⅞	XHB-2
-101408	10	14	8	8 ¾	13 ⅜	17 ⅝	10 ½	10 ⅞	13	¾	57	XSM1014	XSA1014	8 ⅞	12 ⅞	XHB-2
-101410	10	14	10	10 ¾	13	17 ⅝	12 ½	10 ⅞	13	¾	62	XSM1014	XSA1014	8 ⅞	12 ⅞	XHB-2
-121204	12	12	4	5	16 ¼	16 ¼	6 ⅞	8 ⅞	16	½	60	XSM1212	XSA1212	10 ⅞	10 ⅞	XHC-2
-121206	12	12	6	7	16 ¼	16 ¼	8 ⅞	8 ⅞	16	½	68	XSM1212	XSA1212	10 ⅞	10 ⅞	XHC-2
-121208	12	12	8	9	16 ¼	16 ¼	10 ⅞	8 ⅞	16	½	80	XSM1212	XSA1212	10 ⅞	10 ⅞	XHC-2
-121804	12	18	4	4 ¾	16 ¼	22 ¼	6 ¾	14 ⅞	16	½	85	XSM1218	XSA1218	10 ½	16 ½	XHC-2
-121806	12	18	6	6 ¾	16 ¼	22 ¼	8 ¾	14 ⅞	16	½	93	XSM1218	XSA1218	10 ½	16 ½	XHC-2
-121808	12	18	8	8 ¾	16 ¼	22 ¼	10 ¾	14 ⅞	16	½	101	XSM1218	XSA1218	10 ½	16 ½	XHC-2
-122005	12	20	5	5 ¾	16 ¼	24 ¼	8 ⅞	14 ⅞	16	½	104	XSM1220	XSA1220	11	19	XHC-2
-122404	12	24	4	4 ⅞	16 ¼	24 ¼	7 ¼	18 ⅜	16	½	115	XSM1224	XSA1224	11	23	XHC-2
-122406	12	24	6	6 ⅞	16 ¼	28 ¼	9 ¼	18 ⅜	16	½	127	XSM1224	XSA1224	11	23	XHC-2
-122408	12	24	8	8 ⅞	16 ¼	28 ¼	11 ¼	18 ⅜	16	½	142	XSM1224	XSA1224	11	23	XHC-2
-122410	12	24	10	10 ⅞	16 ¼	28 ¼	13 ¼	18 ⅜	16	½	154	XSM1224	XSA1224	11	23	XHC-2

Information is subject to change without notice

Measurements in inches

NOTES

- To indicate Quad-Lead bolt option, add suffix "Q" after XCE. (Not available on XCEX models.)
- Operators, windows and hinges are ordered separately.
- Ex d approval optional on XCEX series only.
- To indicate Type 4 / IP66 option, add suffix "N4" after size (catalog number)
- Where reference is made to Class I and Class II hazardous locations, the equipment is suitable for both Div. 1 and Div. 2 locations.
- Enclosures are pre-drilled for mounting panel and hinge kit unless otherwise specified.

XCE SERIES & XJF

XCE Series																
CAT. NUMBER XCE or XJF	INSIDE NOM. DIM.			USABLE DEPTH	OVERALL DIM.			MTG LUG E F		MTG BOLT SIZE	SHIPPING WT. (LBS)	PANEL PART NO.		PANEL DIM. X Y		HINGE CAT#
-123006	12	30	6	6 1/16	16 3/4	34 1/4	9 5/8	23	16	1/2	180	XSM1230	XSA1230	10 3/4	28 3/4	XHC-2
-123604	12	36	4	4 15/16	16 1/4	40 1/4	7 11/16	29	16	1/2	200	XSM1236	XSA1236	10 3/4	34 3/4	XHC-3
-123606	12	36	6	6 15/16	16 1/4	40 1/4	9 11/16	29	16	1/2	212	XSM1236	XSA1236	10 3/4	34 3/4	XHD-3
-123608	12	36	8	8 15/16	16 1/4	40 1/4	11 11/16	29	16	1/2	232	XSM1236	XSA1236	10 3/4	34 3/4	XHD-3
-124608	12	46	8	8 15/16	16 1/4	50 1/4	11 11/16	39	16	5/8	280	XSM1246	XSA1246	10 3/4	44 3/4	XHD-4
-141404	14	14	4	5	18 1/4	18 1/4	7 1/8	9 3/4	17 3/4	1/2	91	XSM1414	XSA1414	12 7/8	12 7/8	XHC-2
-141406	14	14	6	7	18 1/4	18 1/4	9 1/4	9 3/4	17 3/4	1/2	97	XSM1414	XSA1414	12 7/8	12 7/8	XHC-2
-141408	14	14	8	9	18 1/4	18 1/4	11 1/8	9 3/4	17 3/4	1/2	103	XSM1414	XSA1414	12 7/8	12 7/8	XHC-2
-142210	14	22	10	11 1/4	18 1/4	26 1/4	13 3/8	16 1/2	17 3/4	1/2	181	XSM1422	XSA1422	12 7/8	20 7/8	XHD-2
-142213	14	22	13	13	18 1/4	26 1/4	15 1/8	16 1/2	17 3/4	1/2	235	XSM1422	XSA1422	12 7/8	20 7/8	XHD-2
-142806	14	28	6	7 13/16	18 1/4	32 1/4	9 9/16	22 1/2	17 3/4	1/2	120	XSM1428	XSA1428	12 7/8	26 7/8	XHF-2
-161604	16	16	4	5 5/8	20 7/8	20 7/8	7 15/16	11	19 3/4	5/8	123	XSM1616	XSA1616	14 3/4	14 3/4	XHD-2
-161606	16	16	6	7 5/8	20 7/8	20 7/8	9 15/16	11	19 3/4	5/8	135	XSM1616	XSA1616	14 3/4	14 3/4	XHD-2
-161608	16	16	8	9 5/8	20 7/8	20 7/8	11 15/16	11	19 3/4	5/8	156	XSM1616	XSA1616	14 3/4	14 3/4	XHD-2
-162406	16	24	6	7 13/16	20 7/8	28 7/8	10 3/8	18 3/8	19 3/4	5/8	109	XSM1624	XSA1624	14 1/2	22 1/2	XHF-2
-162408	16	24	8	9 13/16	20 7/8	28 7/8	12 3/8	18 3/8	19 3/4	5/8	209	XSM1624	XSA1624	14 1/2	22 1/2	XHF-2
-162410	16	24	10	11 13/16	20 7/8	28 7/8	14 3/8	18 3/8	19 3/4	5/8	225	XSM1624	XSA1624	14 1/2	22 1/2	XHF-2
-162806	16	28	6	6 13/16	20 1/2	32 11/16	9 1/2	22 1/2	19 3/4	5/8	220	XSM1628	XSA1628	26 1/2	14 1/2	XHF-2
-163406	16	34	6	6 15/16	20 1/2	38 1/2	9 1/2	27	19 3/4	5/8	277	XSM1634	XSA1634	14 1/2	28 1/2	XHF-2
-164610	16	46	10	11 13/16	20 7/8	50 7/8	14 9/16	39	19 3/4	5/8	390	XSM1646	XSA1646	14 1/2	44 1/2	XHF-4
-181804	18	18	4	5 13/16	22 7/8	22 7/8	8 1/2	13	21 3/4	5/8	154	XSM1818	XSA1818	16 3/4	16 3/4	XHF-2
-181806	18	18	6	7 13/16	22 7/8	22 7/8	10 1/2	13	21 3/4	5/8	177	XSM1818	XSA1818	16 3/4	16 3/4	XHF-2
-181808	18	18	8	9 13/16	22 7/8	22 7/8	12 1/2	13	21 3/4	5/8	200	XSM1818	XSA1818	16 3/4	16 3/4	XHF-2
-182406	18	24	6	7 7/16	22 7/8	28 7/8	10 13/16	18 3/8	21 3/4	5/8	226	XSM1824	XSA1824	16 1/2	22 1/2	XHF-2
-182408	18	24	8	9 7/16	22 7/8	28 7/8	12 13/16	18 3/8	21 3/4	5/8	239	XSM1824	XSA1824	16 1/2	22 1/2	XHF-2
-182410	18	24	10	11 7/16	22 7/8	28 7/8	14 13/16	18 3/8	21 3/4	5/8	260	XSM1824	XSA1824	16 1/2	22 1/2	XHF-2
-183008	18	30	8	9 3/8	22 7/8	34 7/8	12 13/16	23	21 3/4	5/8	293	XSM1830	XSA1830	16 1/2	28 1/2	XHF-2
-183608	18	36	8	9 3/8	22 7/8	40 7/8	12 7/8	29	21 3/4	5/8	318	XSM1836	XSA1836	16 1/2	34 1/2	XHF-3
-183610	18	36	10	11 3/8	22 7/8	40 7/8	14 7/8	29	21 3/4	5/8	340	XSM1836	XSA1836	16 1/2	34 1/2	XHF-3
-242408	24	24	8	9 7/16	28 7/8	28 7/8	12 7/16	18 3/8	28	5/8	302	XSM2424	XSA2424	22	22	XHF-2
-242410	24	24	10	11 7/16	28 7/8	28 7/8	14 7/16	18 3/8	28	5/8	330	XSM2424	XSA2424	22	22	XHF-2
-243008	24	30	8	9 1/4	28 7/8	34 7/8	12 15/16	23	28	5/8	356	XSM2430	XSA2430	22	28	XHF-2
-243608	24	36	8	9 1/4	28 7/8	40 7/8	12 7/16	29	28	5/8	408	XSM2436	XSA2436	34	22	XHF-3
-243610	24	36	10	11 1/4	28 7/8	40 7/8	14 7/8	29	28	5/8	433	XSM2436	XSA2436	34	22	XHF-3
-323612***	32	36	12	12	37 3/4	41 3/4	15 1/2	29	36 1/8	5/8	691	XSM3236	XSA3236	29	33	XHF-3

***This unit has limited approval dependent on number of entries

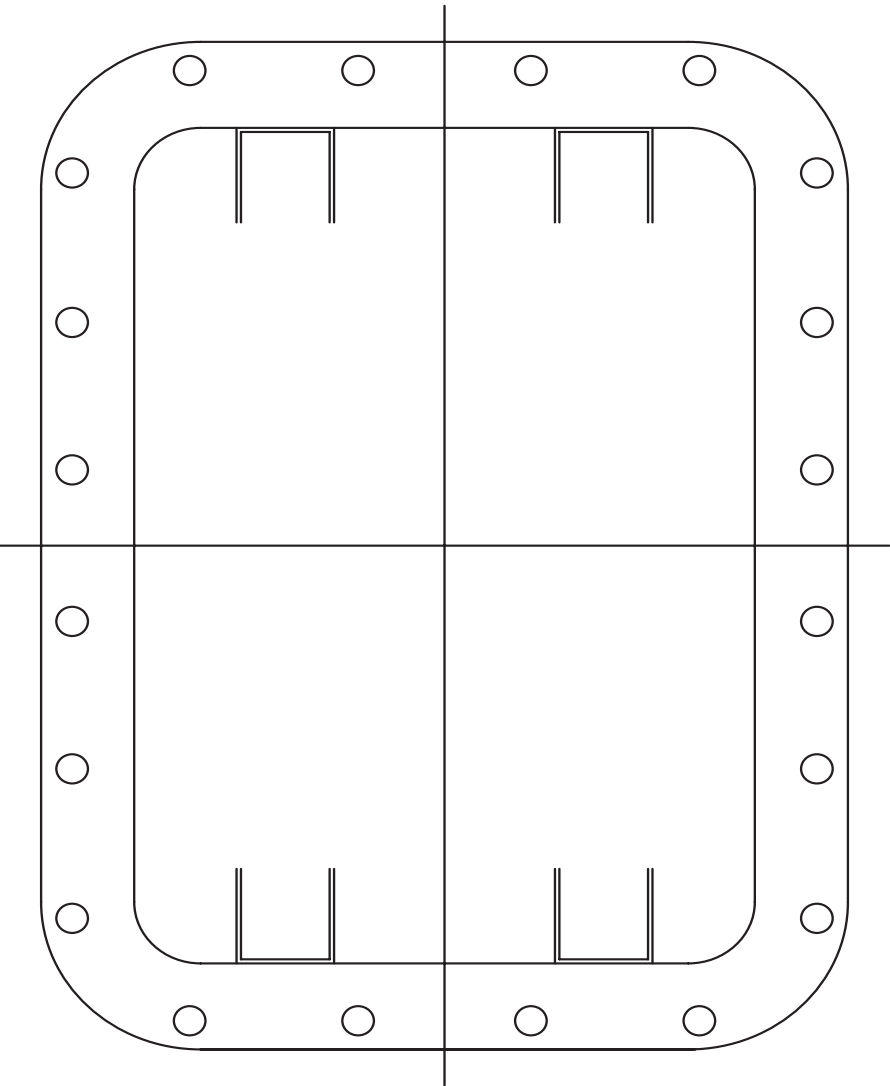
Some XJF Series enclosures do not have UL approval - consult factory

NOTES

1. To indicate Quad-Lead bolt option, add suffix "Q" after XCE. (Not available on XCEX models.)
2. Operators, windows and hinges are ordered separately.
3. Ex d approval optional on XCEX series only.
4. To indicate Type 4 / IP66 option, add suffix "N4" after size (catalog number)
5. Where reference is made to Class I and Class II hazardous locations, the equipment is suitable for both Div. 1 and Div. 2 locations.
6. Enclosures are pre-drilled for mounting panel and hinge kit unless otherwise specified.
7. Lid Lifter Cover Assist standard on all XCE enclosures 18 x 24 and higher

Customer Design Sheets

Cover Layout



DIMENSION ALL MODIFICATIONS
FROM CENTER LINES OF COVER

CAT #: X _ _ _ _ _

ATEX / IECEx

☐ DEMKO U Cert.

UL

☐ UL APPROVED

REF. DS361 & B301

CSA

☐ CSA APPROVED

REF. DS327 & B301

HINGES

☐ LEFT HAND

☐ RIGHT HAND

☐ LONG SIDE

☐ SHORT SIDE

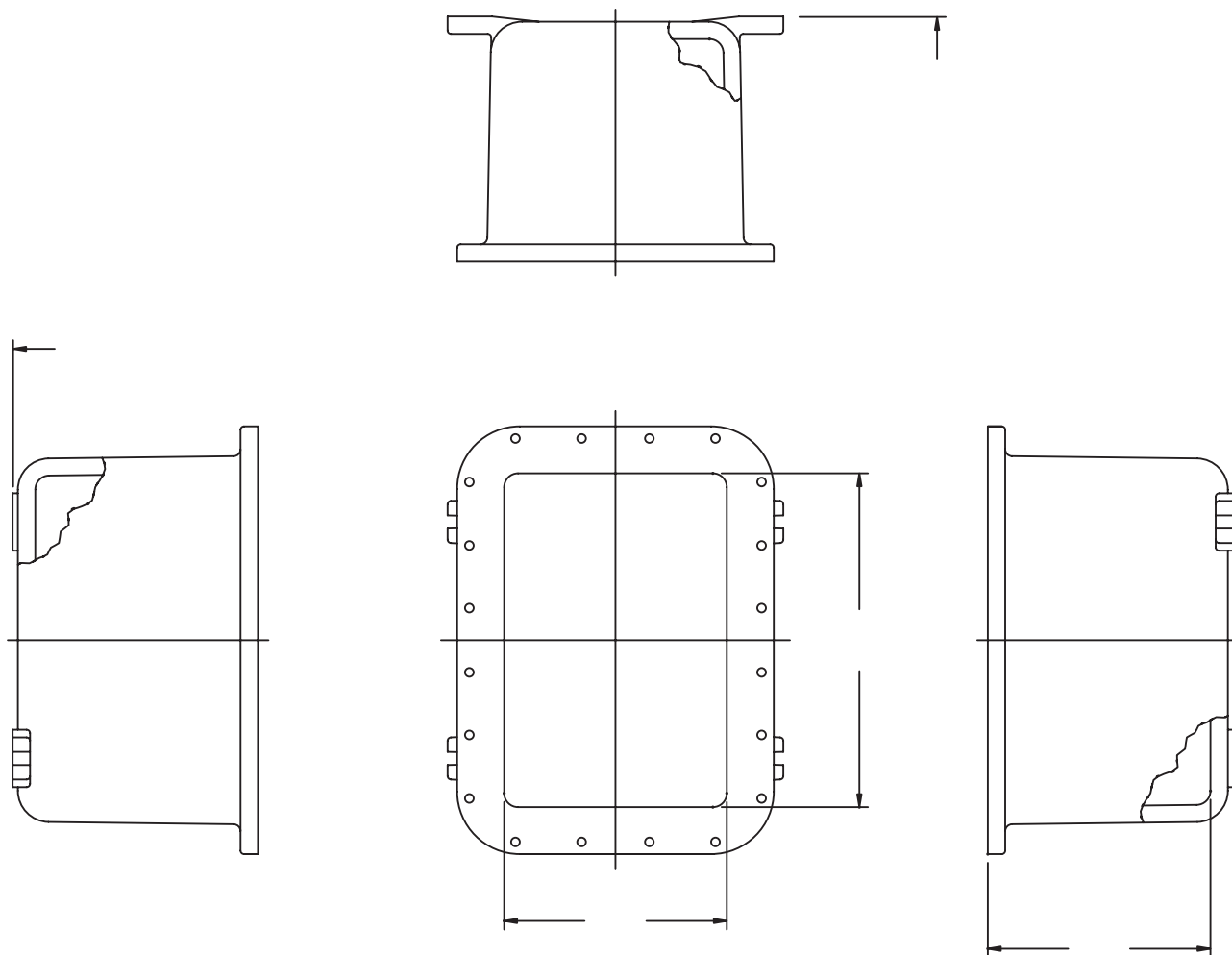
☐ NON REMOVABLE

NEMA 4/ IP66

☐ N4 GROOVE

Customer Design Sheets

Box Layout

EXPLOSIONPROOF
ENCLOSURES

ATEX / IECEx

☐ DEMKO U Cert.

UL

☐ UL APPROVED
REF. DS248 & B301

CSA

☐ CSA APPROVED
REF. B301

MTG. PANS

☐ XSA PAN☐ XSM PAN

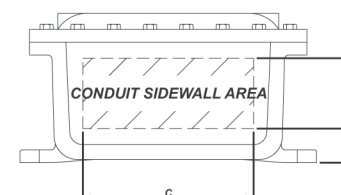
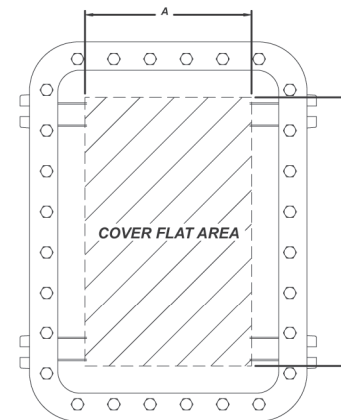
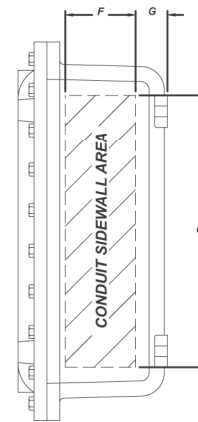
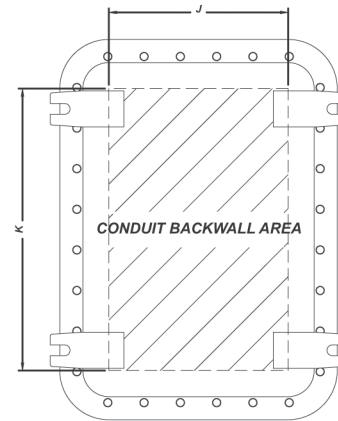
HINGES

☐ LEFT HAND☐ RIGHT HAND☐ LONG SIDE☐ SHORT SIDE☐ NON REMOVABLE

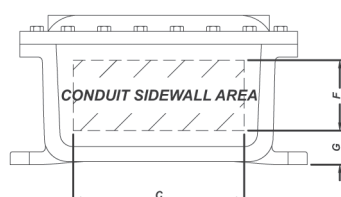
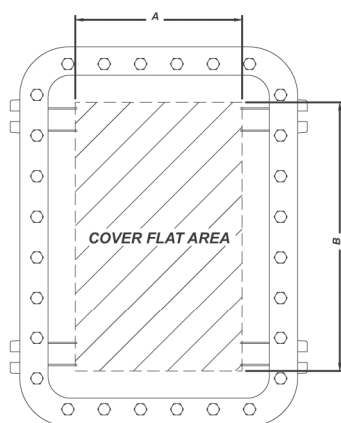
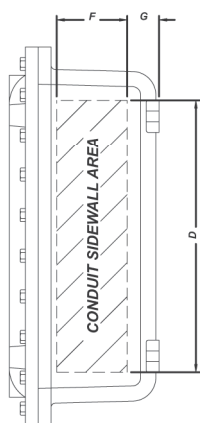
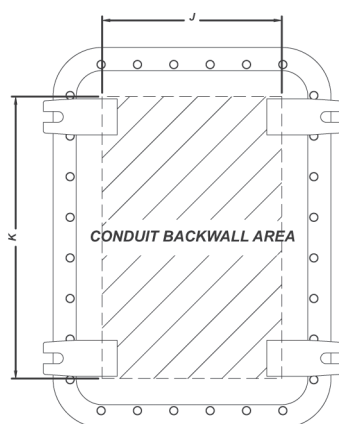
DIMENSION ALL MODIFICATIONS FROM
CENTER LINES AND BOTTOM OF MOUNTING
LUGS WHENEVER POSSIBLE.

Cover & Sidewall Area

Enclosure Series	COVER FLAT		CONDUIT - SIDEWALL				BACK WALL	
	A	B	C	D	F	G	J	K
-041604	2 1/8	14 1/8	2 11/16	14 11/16	2 7/8	1	3 1/8	15 1/8
-060804	3 7/8	5 7/8	4 11/16	6 11/16	2 7/8	1	5 1/8	7 1/8
-060805	3 7/8	5 7/8	4 5/8	6 5/8	3 7/8	1	5 1/16	7 1/16
-060806	3 7/8	5 7/8	4 9/16	6 9/16	4 7/8	1	4 15/16	6 15/16
-061105	3 7/8	8 7/8	4 5/8	9 5/8	3 5/8	1	5 1/8	10 1/8
-061204	3 7/8	9 7/8	4 11/16	10 11/16	2 7/8	1	5 1/8	11 1/8
-061206	3 7/8	9 7/8	4 9/16	10 9/16	4 9/16	1 5/16	4 7/16	10 7/16
-061305	3 7/8	10 7/8	4 5/8	11 5/8	3 5/8	1	5 1/8	12 1/8
-071004	4 7/8	7 7/8	5 5/8	8 5/8	2 1/2	1 3/8	5 5/8	8 5/8
-071006	4 7/8	7 7/8	5 9/16	8 9/16	4 5/8	1 3/8	5 9/16	8 9/16
-071805	5	16 1/4	5 7/16	16 11/16	3 1/2	1 3/8	5 7/16	16 11/16
-080804	5 7/8	5 7/8	6 5/8	6 5/8	2 11/16	1 3/8	7 1/8	7 1/8
-080806	5 7/8	5 7/8	6 9/16	6 9/16	4 11/16	1 3/8	7 1/16	7 1/16
-080808	5 7/8	5 7/8	6 7/16	6 7/16	6 11/16	1 3/8	6 15/16	6 15/16
-081004	5 7/8	7 7/8	6 5/8	8 5/8	2 1/2	1 3/8	6 5/8	8 5/8
-081006	5 7/8	7 7/8	6 9/16	8 9/16	4 1/2	1 3/8	6 9/16	8 9/16
-081008	5 7/8	7 7/8	6 7/16	8 7/16	6 1/2	1 3/8	6 7/16	8 7/16
-081204	5 7/8	9 7/8	6 5/8	10 5/8	2 1/2	1 3/8	6 5/8	10 5/8
-081206	5 7/8	9 7/8	6 9/16	10 9/16	4 1/2	1 3/8	6 9/16	10 9/16
-081208	5 7/8	9 7/8	6 7/16	10 7/16	6 1/2	1 3/8	6 7/16	10 7/16
-091105	6 7/8	8 7/8	7 5/16	9 5/16	3 3/8	1 9/16	7 5/16	9 5/16
-101004	7 7/8	7 7/8	8 3/8	8 3/8	2 3/8	1 9/16	8 3/8	8 3/8
-101006	7 7/8	7 7/8	8 5/16	8 5/16	4 3/8	1 9/16	8 5/16	8 5/16
-101008	7 7/8	7 7/8	8 3/16	8 3/16	6 3/8	1 9/16	8 3/16	8 3/16
-101206	7 3/4	9 3/4	8 1/4	10 1/4	4 5/8	1 9/16	8 1/4	10 1/4
-101404	7 7/8	11 7/8	8 3/8	12 3/8	2 3/8	1 9/16	8 3/8	12 3/8
-101406	7 7/8	11 7/8	8 5/16	12 5/16	4 3/8	1 9/16	8 5/16	12 5/16
-101408	7 7/8	11 7/8	8 1/16	12 1/16	6 1/4	1 3/4	7 5/8	11 5/8
-121204	9 3/4	9 3/4	10	10	2 1/8	1 7/8	10	10
-121206	9 3/4	9 3/4	9 13/16	9 13/16	4 1/8	1 7/8	9 13/16	9 13/16
-121208	9 3/4	9 3/4	9 11/16	9 11/16	6 1/8	1 7/8	9 11/16	9 11/16
-121804	9 3/4	15 3/4	10 1/8	16 1/8	2 1/8	1 7/8	10 1/8	16 1/8
-121806	9 3/4	15 3/4	9 13/16	15 13/16	4 1/8	1 7/8	9 13/16	15 13/16
-121808	9 3/4	15 3/4	9 11/16	15 11/16	6 1/8	1 7/8	9 11/16	15 11/16
-122005	9 3/4	17 3/4	10 1/16	18 1/16	3 3/16	2	10 1/16	18 1/16
-122404	9 5/8	21 3/4	10 1/8	22 1/8	2 1/8	2	10 1/8	22 1/8
-122406	9 5/8	21 5/8	10 1/16	22 1/16	4 1/8	2	10 1/16	22 1/16



XCE SERIES & XJF



Cover & Sidewall Area

Enclosure Series	COVER FLAT		CONDUIT - SIDEWALL				BACK WALL	
	A	B	C	D	F	G	J	K
-122408	9 ⁵ / ₈	21 ⁵ / ₈	9 ¹⁵ / ₁₆	21 ¹⁵ / ₁₆	6 ¹ / ₈	2	9 ¹⁵ / ₁₆	21 ¹⁵ / ₁₆
-122410	9 ⁵ / ₈	21 ⁵ / ₈	9 ¹³ / ₁₆	21 ¹³ / ₁₆	8 ¹ / ₈	2	9 ¹³ / ₁₆	21 ¹³ / ₁₆
-123006	9 ⁵ / ₈	27 ⁷ / ₈	10 ¹ / ₈	28 ¹ / ₈	4	2 ⁵ / ₁₆	10 ¹ / ₈	28 ¹ / ₈
-123604	9 ⁵ / ₈	33 ⁷ / ₈	10 ¹ / ₈	34 ¹ / ₈	2	2 ³ / ₈	10 ¹ / ₈	34 ¹ / ₈
-123606	9 ⁵ / ₈	33 ⁷ / ₈	10 ¹ / ₈	34 ¹ / ₈	4	2 ³ / ₈	10 ¹ / ₈	34 ¹ / ₈
-123608	9 ⁵ / ₈	33 ⁷ / ₈	9 ¹⁵ / ₁₆	33 ¹⁵ / ₁₆	6	2 ³ / ₈	9 ¹⁵ / ₁₆	33 ¹⁵ / ₁₆
-124608	9 ⁵ / ₈	42 ¹ / ₄	9 ⁷ / ₈	43 ⁷ / ₈	5 ⁵ / ₈	2 ¹¹ / ₁₆	9 ⁷ / ₈	43 ⁷ / ₈
-141404	11	11	12 ¹ / ₈	12 ¹ / ₈	1 ³ / ₄	2 ¹ / ₈	11 ⁵ / ₈	11 ⁵ / ₈
-141406	11	11	12 ¹ / ₈	12 ¹ / ₈	3 ³ / ₄	2 ¹ / ₈	11 ⁹ / ₁₆	11 ⁹ / ₁₆
-141408	11	11	11 ¹⁵ / ₁₆	11 ¹⁵ / ₁₆	5 ³ / ₄	2 ¹ / ₈	11 ⁷ / ₁₆	11 ⁷ / ₁₆
-142806	11	25	11 ⁵ / ₈	25 ⁵ / ₈	4	2	11 ⁵ / ₈	25 ⁵ / ₈
-161604	12 ¹ / ₂	12 ¹ / ₂	14 ¹ / ₈	14 ¹ / ₈	2	2 ¹ / ₈	14 ¹ / ₈	14 ¹ / ₈
-161606	12 ¹ / ₂	12 ¹ / ₂	14 ¹ / ₈	14 ¹ / ₈	4	2 ¹ / ₈	14 ¹ / ₈	14 ¹ / ₈
-161608	12 ¹ / ₂	12 ¹ / ₂	13 ¹⁵ / ₁₆	13 ¹⁵ / ₁₆	6	2 ¹ / ₈	13 ¹⁵ / ₁₆	13 ¹⁵ / ₁₆
-162406	12 ¹ / ₂	20 ¹ / ₂	13 ¹ / ₂	21 ¹ / ₂	3 ⁷ / ₈	2 ⁵ / ₁₆	13 ¹ / ₂	21 ¹ / ₂
-162408	12 ¹ / ₂	20 ¹ / ₂	13 ³ / ₈	21 ³ / ₈	5 ⁷ / ₈	2 ⁵ / ₁₆	13 ³ / ₈	21 ³ / ₈
-162410	12 ¹ / ₂	20 ¹ / ₂	13 ¹ / ₄	21 ¹ / ₄	7 ⁷ / ₈	2 ⁵ / ₁₆	13 ¹ / ₄	21 ¹ / ₄
-162806	13 ¹ / ₄	25 ¹ / ₄	14 ¹ / ₈	26 ¹ / ₈	3 ¹¹ / ₁₆	2 ³ / ₁₆	14 ¹ / ₈	26 ¹ / ₈
-163406	13 ⁷ / ₈	31 ³ / ₈	14 ¹ / ₈	32 ¹ / ₈	3 ¹⁵ / ₁₆	2 ⁵ / ₁₆	14 ¹ / ₈	32 ¹ / ₈
-164610	12 ¹ / ₂	42 ¹ / ₄	13 ⁷ / ₈	43 ⁷ / ₈	7 ⁷ / ₈	2 ⁷ / ₁₆	13 ⁷ / ₈	43 ⁷ / ₈
-181804	14 ¹ / ₄	14 ¹ / ₄	16 ³ / ₁₆	16 ³ / ₁₆	1 ⁷ / ₈	2 ⁵ / ₁₆	16 ³ / ₁₆	16 ³ / ₁₆
-181806	14 ¹ / ₄	14 ¹ / ₄	16 ¹ / ₈	16 ¹ / ₈	3 ⁷ / ₈	2 ⁵ / ₁₆	16 ¹ / ₈	16 ¹ / ₈
-181808	14 ¹ / ₄	14 ¹ / ₄	15 ¹⁵ / ₁₆	15 ¹⁵ / ₁₆	5 ⁷ / ₈	2 ⁵ / ₁₆	15 ¹⁵ / ₁₆	15 ¹⁵ / ₁₆
-182406	14 ¹ / ₄	20 ¹ / ₄	15 ⁷ / ₁₆	21 ⁷ / ₁₆	3 ⁷ / ₈	2 ¹ / ₂	15 ⁷ / ₁₆	21 ⁷ / ₁₆
-182408	14 ¹ / ₄	20 ¹ / ₄	15 ⁵ / ₈	21 ⁵ / ₈	5 ⁷ / ₈	2 ¹ / ₂	15 ⁵ / ₈	21 ⁵ / ₈
-182410	14 ¹ / ₄	20 ¹ / ₄	15 ¹ / ₄	21 ¹ / ₄	7 ⁷ / ₈	2 ¹ / ₂	15 ¹ / ₄	21 ¹ / ₄
-183008	14 ¹ / ₄	26 ¹ / ₄	15 ⁵ / ₈	27 ⁵ / ₈	5 ⁷ / ₈	2 ¹ / ₂	15 ⁵ / ₈	27 ⁵ / ₈
-183608	14 ¹ / ₄	32 ¹ / ₄	15 ⁵ / ₈	33 ⁵ / ₈	5 ⁷ / ₈	2 ¹ / ₂	15 ⁵ / ₈	33 ⁵ / ₈
-183610	14 ¹ / ₄	32 ¹ / ₄	15 ¹ / ₄	33 ¹ / ₄	7 ⁷ / ₈	2 ¹ / ₂	15 ¹ / ₄	33 ¹ / ₄
-242408	20 ¹ / ₄	20 ¹ / ₄	20 ⁷ / ₈	20 ⁷ / ₈	5 ⁵ / ₈	2 ⁵ / ₁₆	20 ⁷ / ₈	20 ⁷ / ₈
-242410	20 ¹ / ₄	20 ¹ / ₄	20 ³ / ₄	20 ³ / ₄	7 ⁵ / ₈	2 ⁵ / ₁₆	20 ³ / ₄	20 ³ / ₄
-243008	20 ¹ / ₄	26 ¹ / ₄	20 ⁵ / ₈	26 ⁵ / ₈	5 ⁷ / ₈	2 ⁷ / ₁₆	21 ³ / ₈	27 ³ / ₈
-243608	20 ¹ / ₄	32 ¹ / ₄	21 ³ / ₁₆	33 ³ / ₁₆	5 ⁷ / ₈	2 ¹ / ₂	21 ¹⁵ / ₁₆	33 ¹⁵ / ₁₆
-243610	20 ¹ / ₄	32 ¹ / ₄	21 ¹ / ₈	33 ¹ / ₈	7 ⁷ / ₈	2 ³ / ₄	20 ⁷ / ₈	32 ⁷ / ₈
-323612	28 ³ / ₄	32 ³ / ₄	30	34	3 ³ / ₈	2 ³ / ₄	28 ⁷ / ₈	32 ⁷ / ₈

Minimum Spacing for Operators in Covers

Enclosure Series	STANDARD OPERATORS				MINIATURE OPERATORS				COVER WALL
	Max. #	Max. Rows	Max. Per Row	Spacing CL to CL	Max. #	Max. Rows	Max. Per Row	Spacing CL to CL	
XCE041604	5	5	1	2 ½	13	13	1	1	½
XCE060804	2	2	1	2 ½	8	4	2	1	½
XCE060805	2	2	1	2 ½	8	4	2	1	½
XCE060806	2	2	1	2 ½	8	4	2	1	½
XCE061105	3	3	1	2 ½	14	7	2	1	½
XCE061204	4	4	1	2 ½	16	8	2	1	⅝
XCE061206	4	4	1	2 ½	16	8	2	1	⅝
XCE061305	4	4	1	2 ½	18	9	2	1	½
XCE071004	6	3	2	2 ½	18	6	3	1	⅝
XCE071006	6	3	2	2 ½	18	6	3	1	⅝
XCE071805	12	6	2	2 ½	45	15	3	1	⅝
XCE080804	4	2	2	2 ½	16	4	4	1	1 ⅛
XCE080806	4	2	2	2 ½	16	4	4	1	1 ⅛
XCE080808	4	2	2	2 ½	16	4	4	1	1 ⅛
XCE081004	6	3	2	2 ½	24	6	4	1	1 ⅛
XCE081006	6	3	2	2 ½	24	6	4	1	1 ⅛
XCE081008	6	3	2	2 ½	24	6	4	1	1 ⅛
XCE081204	8	4	2	2 ½	32	8	4	1	1 ⅛
XCE081206	8	4	2	2 ½	32	8	4	1	1 ⅛
XCE081208	8	4	2	2 ½	32	8	4	1	1 ⅛
XCE091105	6	3	2	2 ½	35	7	5	1	1 ⅛
XCE101004	9	3	3	2 ½	36	6	6	1	1 ⅛
XCE101006	9	3	3	2 ½	36	6	6	1	1 ⅛
XCE101008	9	3	3	2 ½	36	6	6	1	1 ⅛
XCE101206	12	4	3	2 ½	48	8	6	1	¾
XCE101404	12	4	3	2 ½	60	10	6	1	¾
XCE101406	12	4	3	2 ½	60	10	6	1	¾
XCE101408	12	4	3	2 ½	60	10	6	1	¾
XCE101410	12	4	3	2 ½	60	10	6	1	¾
XCE121204	9	3	3	3	64	8	8	1	⅞
XCE121206	9	3	3	3	64	8	8	1	⅞
XCE121208	9	3	3	3	64	8	8	1	⅞
XCE121804	15	5	3	3	92	14	8	1	1 ⅝
XCE121806	15	5	3	3	92	14	8	1	1 ⅝
XCE121808	15	5	3	3	92	14	8	1	1 ⅝
XCE122005	18	6	3	3	128	16	8	1	1 ⅞
XCE122404	21	7	3	3	150	20	8	1	1 ⅞

NOTE For closer spacing consult factory for details. Hydro test may be necessary for closer hole spacing.

Minimum Spacing for Operators in Covers

Enclosure Series	STANDARD OPERATORS				MINIATURE OPERATORS				COVER WALL
	Max. #	Max. Rows	Max. Per Row	Spacing CL to CL	Max. #	Max. Rows	Max. Per Row	Spacing CL to CL	Thickness
XCE122408	21	7	3	3	150	20	8	1	1 ½
XCE122410	21	7	3	3	150	20	8	1	1 ½
XCE123006	27	9	3	3	150	26	8	1	1 ¾
XCE123604	33	11	3	3	150	32	8	1	1 ¾
XCE123606	33	11	3	3	150	32	8	1	1 ¾
XCE123608	33	11	3	3	150	32	8	1	1 ¾
XCE124608	42	14	3	3	150	41	8	1	1 ¼
XCE141404	16	4	3	3	100	10	10	1	7/8
XCE141406	16	4	4	3	100	10	10	1	7/8
XCE141408	16	4	4	3	100	10	10	1	7/8
XCE142210	24	6	4	3	100	18	10	1	1 ½
XCE142213	24	6	4	3	100	18	10	1	1 ½
XCE142806	32	8	4	3	150	24	10	1	1 ½
XCE161604	16	4	4	3 ½	121	11	11	1	7/8
XCE161606	16	4	4	3 ½	121	11	11	1	7/8
XCE161608	16	4	4	3 ½	121	11	1	1	7/8
XCE162406	24	6	4	3 ½	150	19	11	1	7/8
XCE162408	24	6	4	3 ½	150	19	11	1	7/8
XCE162410	24	6	4	3 ½	150	19	11	1	7/8
XCE162806	28	7	4	3 ½	150	24	11	1	1 ¼
XCE163406	32	8	4	3 ½	150	30	11	1	1 ¼
XCE164610	48	12	4	3 ½	150	41	11	1	1
XCE181804	36	6	6	2 ½	150	13	13	1	1
XCE181806	36	6	6	2 ½	150	13	13	1	1
XCE181808	36	6	6	2 ½	150	13	13	1	1
XCE182406	24	6	4	3 ½	150	19	13	1	1 ½
XCE182408	24	6	4	3 ½	150	19	13	1	1 ½
XCE182410	24	6	4	3 ½	150	19	13	1	1 ½
XCE183008	32	8	4	3 ½	150	25	13	1	1 ½
XCE183608	36	9	4	3 ½	150	31	13	1	1 ¾
XCE183610	36	9	4	3 ½	150	31	13	1	1 ¾
XCE242408	36	6	6	3 ½	150	19	19	1	1 ½
XCE242410	36	6	6	3 ½	150	19	19	1	1 ½
XCE243008	42	7	6	3 ½	150	25	19	1	1 ¾
XCE243608	54	9	6	3 ½	150	31	19	1	1 ¾
XCE243610	54	9	6	3 ½	150	31	19	1	1 ¾
XCE323612***	72	9	8	3 ½	50	31	27	1	1 ¾

NOTE For closer spacing consult factory for details. Hydro test may be necessary for closer hole spacing.

***This unit has limited approval dependent on number of entries

Some XJF Series enclosures do not have UL approval - consult factory

Conduit Drilling and Tapping Guidelines

When drilling and tapping enclosures for conduit, proper installation requires compliance with the following:

1. Must be tapped with at least 5 full NPT threads in enclosure back or sides only; min. 1/2" conduit size for XJF and XCE series.
2. Depth of NPT holes must be plus 1/2 turn min. to plus 2 turns max. past standard NPT plug gauge notch.
3. Inner end of conduit openings shall be smooth and well-rounded.

THREAD SIZE OF CONDUIT	MINIMUM WALL THICKNESS AT CONDUIT ENTRANCE EXCLUDING XCEX
Inches (NPT)	Explosionproof
1/2 - 3/4	3/4 inch
1 - 2	7/16 inch
2 1/2 - 5	5/8 inch

THREAD SIZE OF CONDUIT	MINIMUM WALL THICKNESS AT CONDUIT ENTRANCE EXCLUDING XCEX										
Conduit size, inches (NPT) / metric	1/2 / m16	3/4 / m20	1 / m25	1 1/4 / m32	1 1/2 / m40	2 / m50	2 1/2 / m63	3 / m75	3 1/2	4	5
Minimum Distance from conduit CL to inside corner or back of box	1 5/16	1 7/16	1 9/16	1 3/4	1 7/8	2 1/8	2 3/8	2 11/16	2 15/16	3 1/4	3 7/8
Approximate diameter of union	1 7/8	1 7/8	2 1/16	2 7/8	3 1/4	3 7/8	4 7/8	5 1/2	6	6 1/2	7 1/2

SIZE	5	4	3 1/2	3	2 1/2	2	1 1/2	1 1/4	1	3/4	1/2
1/2 / m16	4 1/2	3 5/8	3 3/8	3	2 5/8	2 3/8	2	1 7/8	1 3/4	1 5/8	1 1/2
3/4 / m20	4 3/4	3 3/4	3 1/2	3 1/8	2 3/4	2 1/2	2 1/8	2	1 7/8	1 3/4	
1 / m25	4 7/8	4	3 5/8	3 1/4	3	2 5/8	2 3/8	2 1/4	2		
1 1/4 / m32	5 1/8	4 1/8	3 7/8	3 1/2	3 1/8	2 7/8	2 1/2	2 3/8			
1 1/2 / m40	5 1/2	4 1/4	4	3 5/8	3 1/4	3	2 5/8				
2 / m50	5 3/4	4 5/8	4 1/4	3 7/8	3 5/8	3 1/4					
2 1/2 / m63	6	4 7/8	4 5/8	4 1/4	3 7/8						
3 / m75	6 1/4	5 3/8	5	4 5/8							
3 1/2	6 1/2	5 5/8	5 1/4								
4	6 3/4	5 7/8									
5	7 1/4										

- NOTE**
1. This information is compiled from data which we believe is reliable and is given in good faith. Since the methods of applications and conditions under which our products are used are beyond our control, we are not able to guarantee the application and/or use of same. The user assumes all risks and liability in connection with the application and use of our product.
 2. Dimensions are in inches
 3. Metric threads available from factory for most applications - consult factory.
 4. Consult factory for special spacing arrangements. Hydro test may be required.

Auxiliary Device Drilling and Tapping Guidelines

Spacing for auxiliary devices installed in box walls of control panel enclosures used in hazardous locations

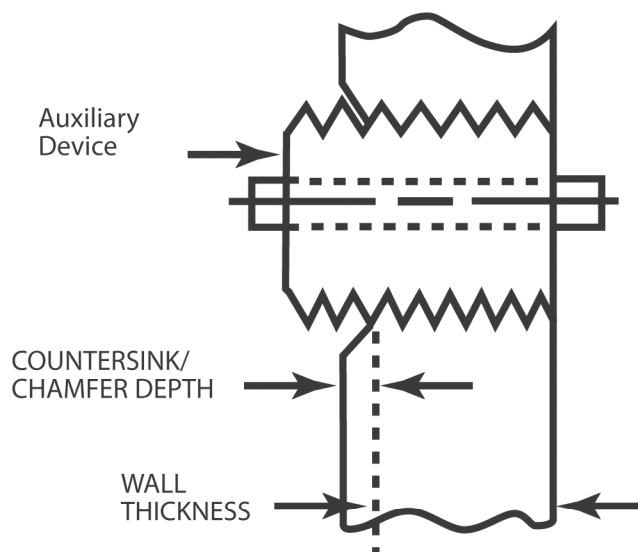
When using an auxiliary device in the box wall of an enclosure used in hazardous locations, proper installation requires compliance with the following:

1. A minimum of (5) thread engagement, class 2 fit, required for group C & D applications.
A minimum of (7) thread engagement, class 2 fit, required for group B applications.
2. The table below shows minimum box wall thickness for auxiliary devices threads.

REQUIRED MINIMUM BOX WALL THICKNESS				
Thread Size (in.)	Group C & D min. (5) thread engagement	Group B min. (7) thread engagement	Typical Auxiliary Device	Drill Dia.
½ - 14 NPSM	¾ inch	½ inch	XBO, XHPB, XHSS, Standard Operators	.747 / .759
¾ - 14 NPSM	¾ inch	½ inch	XBO, XHPB, XHSS, Standard Operators	.958 / .970
1-11 ½ NPSM	7/16 inch	5/8 inch	XCBH Large Handle Assembly	1.201 / 1.211
¾ - 18 NPSM	9/32 inch	13/32 inch	XCBH Small Handle Assembly	.603 / .612
¾ - 16 UNC	5/16 inch	7/16 inch	XMOB, XMOSS, Mini Operators	5/16

3. If auxiliary device contains undercut in engaging threaded section, the minimum wall thickness shown in Table I must increase to maintain the minimum required thread engagement. (Fig. A)

FIG. A
SEE NOTE 3



(continued on next page)

Auxiliary Device Drilling and Tapping Guidelines (cont.)

When using an auxiliary device in the box wall of an enclosure used in hazardous locations, proper installation requires compliance with the following:

4. Table II provides the minimum distance an auxiliary device center can be placed from inside corner or back of box.

TABLE II

TITLE?	$\frac{3}{8}$ - 16 UNC	$\frac{3}{8}$ - NPSM	$\frac{1}{2}$ - NPSM	$\frac{3}{4}$ - NPSM	1 - NPSM
Minimum distance from auxiliary device CL to corner or back of box	1 $\frac{1}{2}$	1 $\frac{5}{8}$	1 $\frac{3}{4}$	1 $\frac{7}{8}$	2

5. Table III shows minimum spacing between conduit and auxiliary device entrances.

TABLE III

AUXILIARY DEVICE THREAD (in)	5	4	3 $\frac{1}{2}$	3	2 $\frac{1}{2}$	2	1 $\frac{1}{2}$	1 $\frac{1}{4}$	1	$\frac{3}{4}$	$\frac{1}{2}$
$\frac{3}{8}$	4 $\frac{1}{2}$	3 $\frac{5}{8}$	3 $\frac{3}{8}$	3	2 $\frac{5}{8}$	2 $\frac{3}{8}$	2	1 $\frac{7}{8}$	1 $\frac{3}{4}$	1 $\frac{5}{8}$	1 $\frac{1}{2}$
$\frac{1}{2}$	4 $\frac{5}{8}$	3 $\frac{3}{4}$	3 $\frac{1}{2}$	3 $\frac{1}{8}$	2 $\frac{3}{4}$	2 $\frac{1}{2}$	2 $\frac{1}{4}$	2 $\frac{1}{8}$	2	1 $\frac{7}{8}$	1 $\frac{3}{4}$
$\frac{3}{4}$	4 $\frac{3}{4}$	4	3 $\frac{5}{8}$	3 $\frac{1}{4}$	2 $\frac{7}{8}$	2 $\frac{5}{8}$	2 $\frac{3}{8}$	2 $\frac{1}{4}$	2 $\frac{1}{8}$	2	1 $\frac{7}{8}$
1	5	4 $\frac{1}{4}$	3 $\frac{7}{8}$	3 $\frac{1}{2}$	3	2 $\frac{3}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{8}$	2 $\frac{1}{4}$	2 $\frac{1}{8}$	2

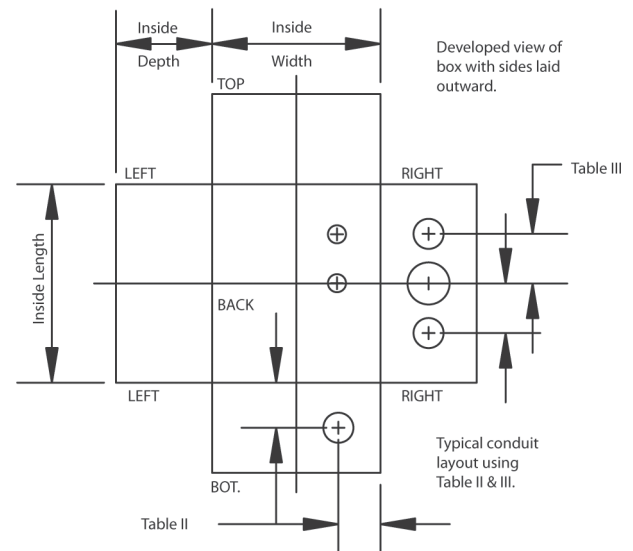
6. Table IV shows minimum spacing between auxiliary device entrances.

NOTE: Increase distance between devices as required to maintain minimum through air spacing of contacts required by electrical codes.

7. Double all distances in Table III and IV holes located in back wall.

TABLE IV

MIN. SPACING BETWEEN AUX. DEVICE OF VARYING THREAD SIZES (INCHES)	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1
$\frac{3}{8}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	2 $\frac{1}{2}$
$\frac{1}{2}$	1 $\frac{1}{2}$	2	2	2 $\frac{1}{2}$
$\frac{3}{4}$	1 $\frac{1}{2}$	2	2	3
1	2 $\frac{1}{2}$	2 $\frac{1}{2}$	3	3 $\frac{1}{2}$



Glass Windows

CIRCULAR WINDOW

Circular Window	Window Viewing Area Diameter	Overall Window Cover Diameter	Min. Enclosure Inside Width / Length	Thread
XGC 10	1 $\frac{1}{8}$	3	8	2 $\frac{1}{2}$ - 16
XGC 20	1 $\frac{1}{4}$	4 $\frac{1}{8}$	9	3 $\frac{1}{8}$ - 12
XGC 30	3	5 $\frac{3}{16}$	9	4 $\frac{3}{4}$ - 12
XGC 40	4	6 $\frac{3}{8}$	9	5 $\frac{1}{2}$ - 12
XGC 52	5 $\frac{1}{4}$	7 $\frac{7}{8}$	10	7 $\frac{1}{8}$ - 12
XGC66	6 $\frac{1}{16}$	10 $\frac{3}{8}$	16	9 $\frac{1}{8}$ - 12
XGC 80	8	12 $\frac{1}{8}$	18	10 $\frac{7}{8}$ - 8

- NOTE**
1. All dimensions are in inches.
 2. Glass window catalog number includes XCE cover machining and installation
 3. For TYPE 4/IP66 option add suffix "N4".
 4. To order glass windows for field installations, add suffix SLF to XGC catalog no.
 5. Consult factory for closer spacing requirements, multiple windows or combinations of operators and windows.



Photo shown is example only

STANDARD RECTANGLE WINDOW

Rectangular Window	Window Viewing Area Diameter	Min. Enclosure Inside Width	Min. Enclosure Inside Length
XGW 0303	3 x 3	8	8
XGW 0305	3 x 5	8	10
XGW 0307	3 x 7	8	12
XGW 0505	5 x 5	10	10
XGW 0509	5 x 9	10	14
XGW 0707	7 x 7	12	12
XGW 0713	7 x 13	12	18
XGW 0909	9 x 9	14	14
XGW 1111	11 x 11	16	16
XGW 1313	13 x 13	18	18

- NOTE**
1. All dimensions are in inches.
 2. Glass window catalog number includes installation and pattern modifications
 3. For TYPE 4 option add suffix "N4".
 4. Consult factory for special viewing area requirements, closer spacing and to combine windows with other window sizes or operators.
 5. Windows can be ordered in sizes between 3" and 13" - consult factory.
 6. XGW window kits are not sold for field installation

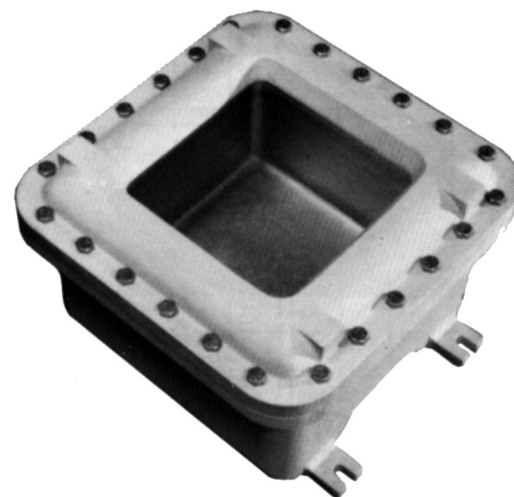


Photo shown is example only

Stainless Steel Explosionproof & Flameproof Control Enclosures

Designed for use in highly corrosive areas, the cast stainless steel explosionproof enclosures provide the perfect construction material for offshore, petrochem, or volatile industrial areas where environmental conditions require additional corrosion protection. The XCESX series of cast stainless steel explosionproof enclosures provide an alternative to traditional cast aluminum explosionproof enclosures which may become compromised or could break down over time in highly corrosive areas. Rated for Class I, Division 1 / Zone 1 hazardous locations, the XCESX enclosure series carries UL, cUL, ATEX, and IECEx approvals for global applications

STANDARD FEATURES

- 5 standard sizes available
- Flat plate cover design
- Corrosion resistant, cast stainless steel 316
- Stainless steel cover bolts for Type 4X additional corrosion protection
- Stainless steel hinge kit
- Pre-drilled for mounting panel (mounting panel optional)
- Type 4X watertight Nitrile gasket
- Internal / external grounding screws
- Removable lifting eye bolts
- Lid-lifter cover alignment device on covers > 100 lbs
- Cast-on mounting lugs / feet

DESIGN OPTIONS

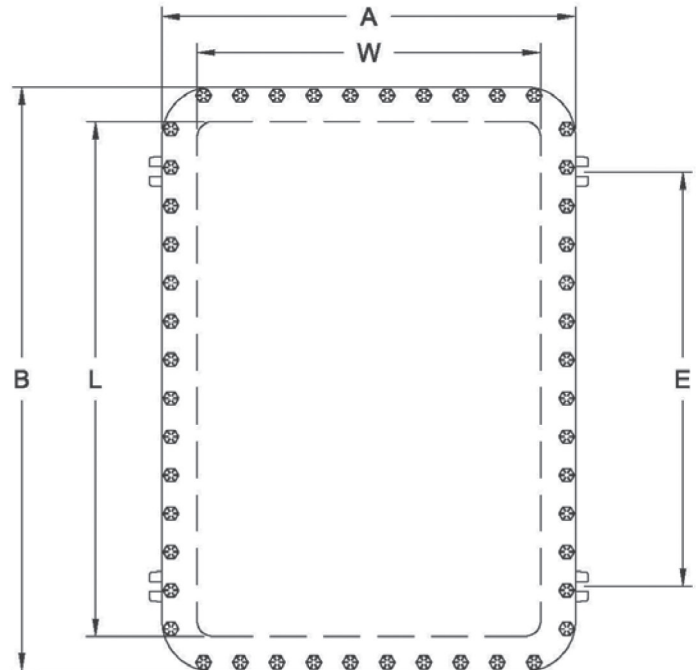
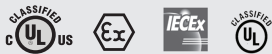
- Conduit (NPT & metric) and device (NPSM) drilling & tapping
- Auxiliary devices: breather / drains, flame arrestors, and operators
- Custom machining - milling, counter-boring, spot-facing, blind drilled holes, entries, chamfers

MATERIAL

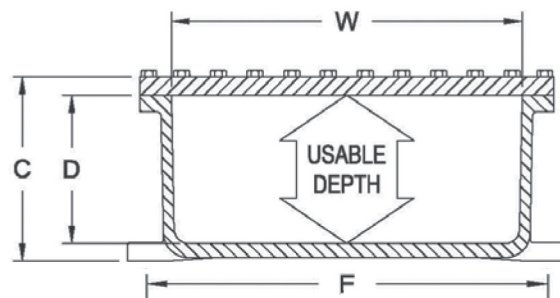
- Enclosure - Stainless steel 316
- Cover bolts - Stainless steel 316
- Hinge kits - Stainless steel 316

CERTIFICATIONS

Class I, Division 1, Groups B, C, & D	IECEx UL 10.0046U
Class II, Groups E, F & G	IECEx Ex d IIB Gb
Class III	IECEx Ex DA21 IP66
Class I, Zone 1, AEx d IIB	0539 II 2 G Ex d IIB
NEMA Type 4X, 7, 9	0539 II 2 D ExtD A21
ExtD A21 / IP66	IP66
	DEMKO 01 ATEX 01294724



EXPLOSIONPROOF
ENCLOSURES



XCESX Series

XCESX CAT. NUMBER	INSIDE NOM. DIM.			USABLE DEPTH	OVERALL DIM.			MTG LUG		MTG BOLT SIZE	SHIPPING WT. (LBS)	PANEL PART NO.		PANEL DIM.		HINGE CAT#
	W	L	D		A	B	C							W	H	
-101408	10	14	8	8	13 1/16	17 1/16	9 7/8	10 7/8	13	7/16	195	XSM1014	XSA1014	8 7/8	12 7/8	XHBK-2
-121208	12	12	8	8	16 1/4	16 1/4	9 7/8	8 5/8	15 3/4	5/8	210	XSM1212	XSA1212	10 7/8	10 7/8	XHCK-2
-122410	12	24	10	10	16 1/4	28 1/4	11 3/4	18 3/8	15 3/4	5/8	380	XSM1224	XSA1224	11	23	XHCK-2
-242410	24	24	10	10	28 7/8	28 7/8	12 3/8	18 3/8	28	3/4	735	XSM2424	XSA2424	22	22	XHFK-2
-243610	24	36	10	10	28 7/8	40 7/8	12 3/8	29	28	3/4	985	XSM2436	XSA2436	34	22	XHFK-3

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XHVX SERIES

Flameproof High Voltage Enclosures

Adalet XHVX series flameproof high voltage junction boxes are available in 26 sizes up to 8kV and 1000 amps. Utilizing Adalet's XCEX ATEX certified flameproof enclosures, the XHVX high voltage enclosures include a set of three porcelain insulators for high voltage applications.

STANDARD FEATURES

- 16 (1 x 1) and 10 (2 x 2) sizes available
- Corrosion resistant, copper free aluminum
- Hinged cover
- Type 4 watertight gasket
- Custom steel mounting panel
- Set of three porcelain standoffs and hardware (1 x 1 connection only)
- Set of three porcelain bus supports 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
- Tumblast, 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, blind drilled holes, entries, chamfers
- Custom cast-on logos
- Powder and epoxy coating for additional corrosion resistance
- Special mounting provisions

MATERIAL

- Enclosure - copper free aluminum (¾ of 1%)
- Cover bolts - steel, zinc plated and coated
- Hinge kits - copper free aluminum with stainless steel 316L hardware
- Mounting panel - galvanized steel

CERTIFICATIONS

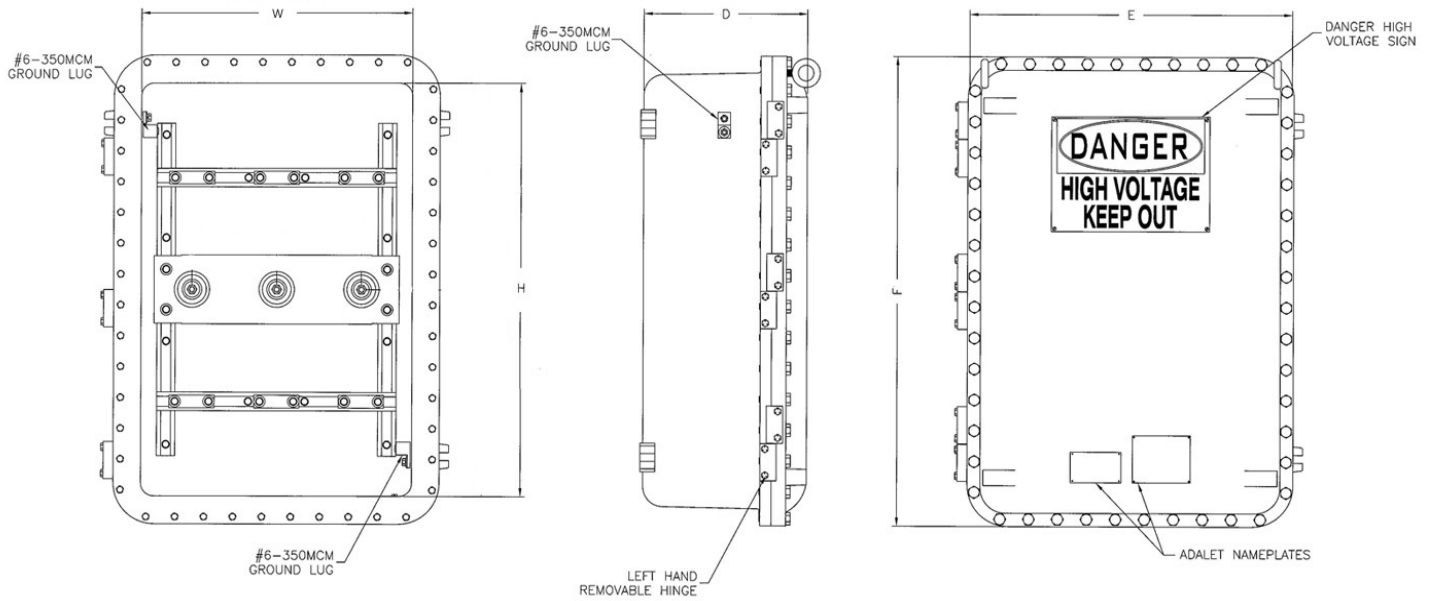
Class I, Division 1, Groups B, C, D
 Class II, Division 1, Groups E, F, & G
 Class III
 Class I, Zone 1, AEx d IIB
 T6 or T5: -20 °C < Ta < 55 °C
 IECEx UL 09.0031X
 Ex d IIB T6: -20 °C < Ta < +55 °C
 Ex tb IIIC T73C Db / IP66

DEMKO 12 ATEX 1104713X
 Ex d IIB T6: -20 < Ta < 55 °C

0539 II 2 G Ex d IIB Gb T6 -20 < Ta < 55 °C
 0539 II 2 D Extb IIIC T73C Db / IP66



1 x 1 Connection Series

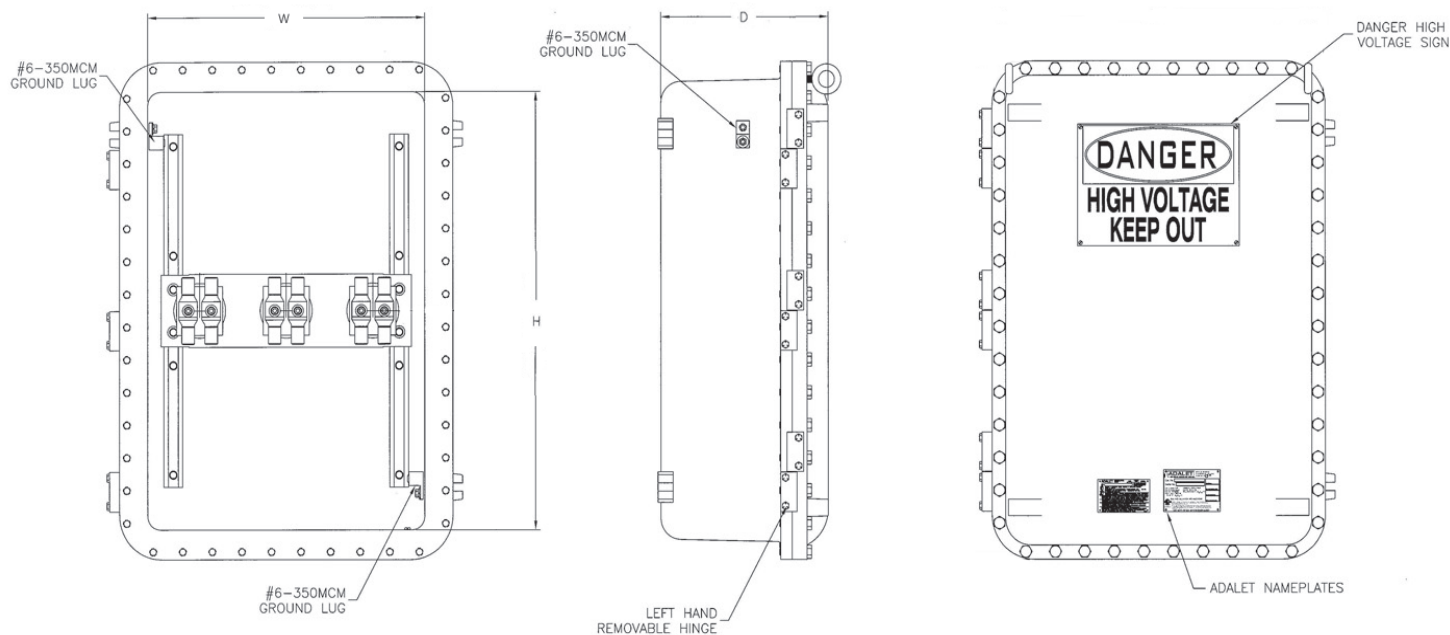


ENCLOSURE	CONDUCTOR SIZE					VOLTAGE		AMPERAGE
	H	W	D	AWG / MCM	mm ²	MAX	MAX	MAX
XHVX-121208	12.00	12.00	8.00	2/10	70	2.5kV		160
XHVX-161608	16.00	16.00	8.00	3/10	95	6.6kV		200
XHVX-162408	16.00	24.00	8.00	350	185	6.6kV		315
XHVX-181808	18.00	18.00	8.00	4/10	120	6.6kV		225
XHVX-182408	18.00	24.00	8.00	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

2 x 2 Connection Series

EXPLOSIONPROOF
ENCLOSURES

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	1000	500

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

XCPX Enclosure Series

The Adalet XCPX series ATEX Certified Control Panels are designed to provide a complete ATEX equipment certificate to final assemblies direct from ADALET without additional third party testing & approvals. Utilizing our ATEX Certified empty XCEX series of flameproof control enclosures, Adalet can fully populate our control enclosures with any CE approved device and provide the engineering services required to certify your final assembly as an ATEX control panel with a complete ATEX Equipment Certificate.

Copper-free aluminum construction with a corrosion-resistant tumblast finish

STANDARD FEATURES

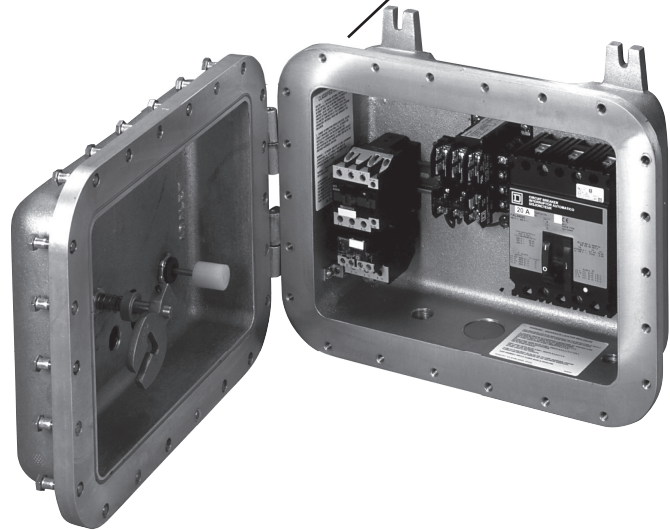
- 75 standard sizes available
- Corrosion resistant, copper free aluminum
- Turnkey engineering and panel population / assembly
- Drilled and tapped conduit entries per customer design specifications
- Pre-drilled hinge holes (hinge optional) and mounting panel bosses (mounting panel optional)
- Type 4 watertight gasket
- High strength steel cover bolts (zinc plated and coated)
- Internal / external grounding screws
- Removable lifting eye bolts (18 x 24 and larger)
- Lid-lifter cover alignment device (18 x 24 and larger)
- Cast-on mounting lugs / feet
- Tumblast, natural aluminum finish

DESIGN OPTIONS

- Stainless steel cover bolts for Type 4X additional corrosion protection
- Mounting panels - available in galvanized steel (XSM), aluminum (XSA) or phenolic (XSB)
- Aluminum hinge kits with stainless steel hardware
- Operators and auxiliary devices such as breather / drains and flame arrestors
- Window kits - round (up to 8" viewing diameter) or square / rectangle (up to 13" x 13")
- Custom machining - milling, counter-boring, spot-facing, blind drilled holes, entries, chamfers
- Custom cast-on logos
- Powder and epoxy coating for additional corrosion resistance
- Special mounting provisions

MATERIAL

- Enclosure - Copper free aluminum (¾ of 1%)
- Cover Bolts - Steel, zinc plated and coated
- Hinge Kits - Copper free aluminum with stainless steel hardware
- Mounting panel - Galvanized steel, aluminum or phenolic



EXPLOSIONPROOF
ENCLOSURES

CERTIFICATIONS

Class I, Division 1, Groups B*, C*, D
Class II, Division 1, Groups E, F, & G
Class III
Class I, Zone 1, AEx d IIB
Ex d IIB
NEMA Type 4, 7, 9
CE 0539 Ex II 2 GD

Ex d IIB+H2 T6
Ex d IIB+H2 T5 (Tamb +60 °C)
Ex tD A21 IP66 T100 C



*Limitations on internal electrical components, consult factory

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ATEX Flameproof Control Panel Equipment Certification



Utilizing our ATEX equipment certification, Adalet can now fully populate empty ATEX certified XCEX enclosures and provide CE certification to any and all applicable CE marking directives. This ATEX control panel certification allows Adalet to eliminate the requirement to re-submit enclosure assemblies to third party testing laboratories for final ATEX equipment certification saving customers considerable time and money.

The Adalet ATEX Control Panel Assembly certificate allows for the installation of control operators, motor control components, and all other CE marked components inside Adalet's complete line of ATEX certified empty XCEX IIB+H2 enclosures. Adalet also provides services for installation and wiring of all control components as well as complete engineering design and review certification, and documentation requirements. Added charges are included for such items as ATEX inspection, hydro testing, component thermal review, declarations and documentation retention to name a few. Adalet will accept the customers existing specifications or offer our engineering services to assist with design details.

ATEX Certification & Documentation

As part of the final ATEX control panel assembly, Adalet will provide all necessary certification and documentation required for your final ATEX equipment certification.

Engineering Review, Design & Consultation Services

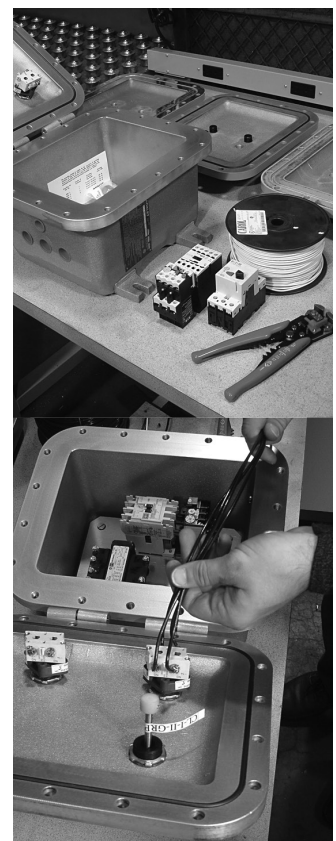
Adalet engineering services are available for those projects which are candidates for ATEX control panel certification. Using customer supplied specifications or Adalet design and engineering services, we will carefully review your requirements making certain your assembly meets or exceeds the minimum specifications for ATEX equipment certification.

IIB+H2 Certification

Adalet XCEX empty enclosures are now certified for IIB+H2 for ATEX applications.

Turnkey Solutions for Adalet ATEX Control Panel Assemblies

Adalet can provide a complete turnkey ATEX control panel package based on your design specifications. Our engineering team has the experience necessary to provide you with a complete ATEX control panel from start to finish.



XIF: Explosionproof Junction Boxes**XIFX: Flameproof Junction Boxes****XIFC: Explosionproof Control Enclosures****XIFCX: Flameproof Control Enclosures****DESIGN OPTIONS****Mounting Panels**

- Steel: (XSM) Galvanized 12 gauge steel plate. The catalog number includes the steel mounting pan complete with 1/4" high spacers and stainless steel mounting screws.
- Aluminum: (XSA) consult factory for availability.

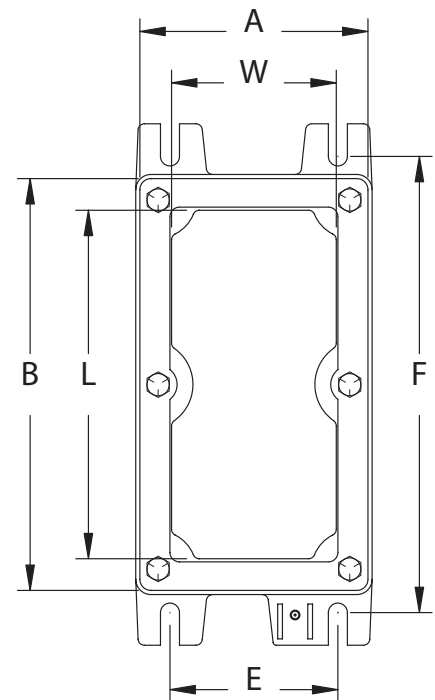
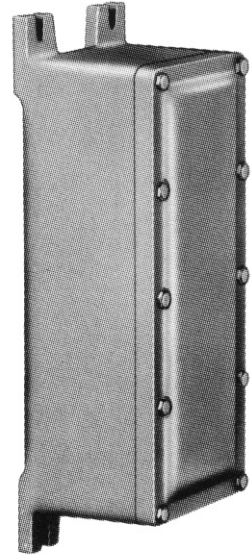
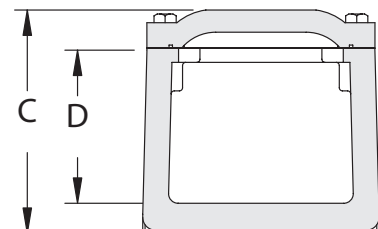
Auxiliary Operator Installations

Available in XIFC and XIFCX covers

External Earthing Device

Supplied on XIFX and XIFCX

Gasket for Type 4 applications available for XIF and XIFC

EXPLOSIONPROOF
ENCLOSURES

NOTE: Where reference is made to Class I and Class II hazardous locations, the equipment is suitable for both Div. 1 and Div. 2 locations.

Certifications

XIF: Junction Boxes

CERTIFICATIONS

Class I, Division 1, Groups C & D
 Class II, Groups E, F, G
 NEMA Type 4, 7, 9



LISTED 437S



XIFX: Flameproof Junction Boxes

CERTIFICATIONS

Class I, Division 1, Groups C & D Ex d IIB
 Class II, Groups E, F, G
 Class III
 Class I, Zone 1, Aex d IIB
 Ex d IIB
 IECEx Ex d IIB

IEC60529: IP 40
 IECEx UL.08.0011U

Ex d II
 0539  II 2 G
 DEMKO 07 ATEX 0603868U



XIFC: Explosionproof Control Enclosures

CERTIFICATIONS

Class I, Division 1, Groups C & D
 Class II, Groups E, F, G
 NEMA Type 4, 7, 9



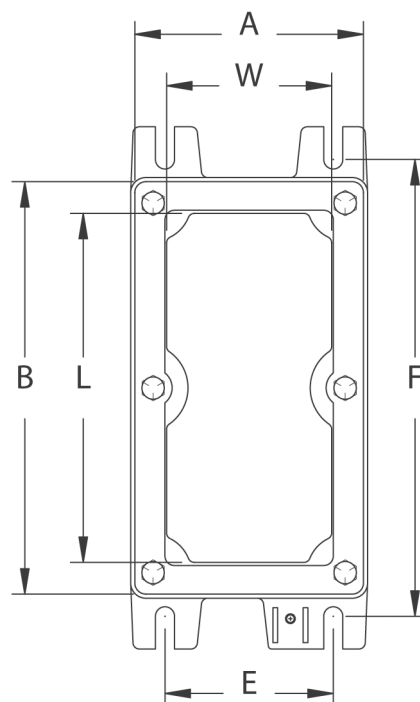
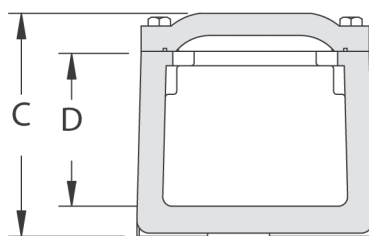
XIFCX: Flameproof Control Enclosures

CERTIFICATIONS

Class I, Division 1, Groups C & D
 Class II, Groups E, F, G
 Class III
 Class I, Zone 1, AEx d IIB
 Ex d IIB T6 (T5 Tamb +55 °C)
 IECEx Ex d IIB T6 (T5 Tamb +55 °C)
 IECEx UL 08.0023X
 IP 40

Ex d IIB T5 +55 °C
 0539  II 2 G
 DEMKO 09 ATEX 0816570X



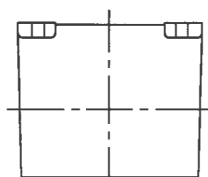
XIF: Explosionproof Junction Boxes**XIFX:** Flameproof Junction Boxes**XIFC:** Explosionproof Control Enclosures**XIFCX:** Flameproof Control Enclosures

XIF Series															
XIFC / XIFCX CAT. NUMBER	XIF / XIFX CAT. NUMBER	INSIDE NOM. DIM.			OVERALL DIM.			MTG LUG		MTG BOLT SIZE	SHIPPING WT. (LBS)	PANEL PART NO.			PANEL DIM. W L
		W	L	D	A	B	C	E	F						
XIFC/X030303	XIF/X030303	3 5/16	3 5/16	3 3/16	4 1/2	4 1/2	4 5/16	3 1/4	5 1/2	5/16	5	XSM0303	XSA0303	XS0303	3 3
XIFC/X030603	XIF/X030603	3 1/4	5 3/4	3	4 1/2	7 1/16	4 1/4	3 1/4	8	5/16	6 1/2	XSM0306	XSA0306	XS0306	3 5 1/2
XIFC/X030703	XIF/X030703	3 1/4	6 7/8	3	4 1/2	8 1/8	4 5/16	3 3/16	9	5/16	7 1/2	XSM0307	XSA0307	XS0307	3 6 1/2
XIFC/X030903	XIF/X030903	3 11/32	8 15/16	3	4 1/2	10 1/16	4 5/16	3 1/4	11	5/16	9 1/2	XSM0309	XSA0309	XS0309	3 8 1/2
XIFC/X031103	XIF/X031103	3 1/4	10 15/16	3	4 1/2	12	4 5/16	3 1/4	13	5/16	11	XSM0311	XSA0311	XS0311	3 10 1/2
XIFC/X031303	XIF/X031303	3 1/4	12 13/16	3	4 1/2	14 1/16	4 5/16	3 1/4	15	5/16	11 1/2	XSM0313	XSA0313	XS0313	3 12 1/2
XIFC/X031503	XIF/X031503	3 1/4	14 3/4	3 1/16	4 1/2	16	4 5/16	3 1/4	17	5/16	13	XSM0315	XSA0315	XS0315	3 14 1/2
XIFC/X031803	XIF/X031803	3 1/4	17 3/4	3	4 1/2	19	4 1/4	3 1/4	20	5/16	16	XSM0318	XSA0318	XS0318	3 17 1/2
XIFC/X032403	XIF/X032403	3 1/4	23 9/16	3	4 1/2	25 1/16	4 5/16	3 1/4	26	5/16	21	XSM0324	XSA0324	XS0324	3 23 1/2
XIFC/X033003	XIF/X033003	3 1/4	29 1/2	3	4 5/16	31 1/16	4 5/16	3 1/4	32 1/2	5/16	28	XSM0330	XSA0330	XS0330	3 29
XIFC/X033603	XIF/X033603	3 1/4	35 7/16	3	4 1/2	37 1/4	4 3/8	3 1/4	38 1/8	5/16	33	XSM0336	XSA0336	XS0336	3 35
XIFC/X040604	XIF/X040604	4 1/8	5 7/8	4	5 3/8	7	5 5/16	4 3/8	8 1/4	5/16	8 1/2	XSM0406	XSA0406	XS0406	3 7/8 5 1/2
XIFC/X041204	XIF/X041204	4 1/4	11 13/16	4	5 1/2	13 3/8	5 5/16	4 3/8	14 1/4	5/16	15 1/2	XSM0412	XSA0412	XS0412	3 7/8 11 1/2
XIFC/X060606	XIF/X060606	5 1/2	5 1/2	6	7	7	7 3/8	5 1/2	8 1/2	3/8	14	XSM0606	XSA0606	XS0606	5 1/2 5 1/2
XIFC/X060608	XIF/X060608	5 1/4	5 1/2	8	7	7	9 3/8	5 1/2	8 1/2	3/8	17 1/2	XSM0606	XSA0606	XS0606	5 1/2 5 1/2
XIFC/X061206	XIF/X061206	5 1/4	11 1/8	6	7 1/4	13 1/2	7 7/8	5 1/2	15	3/8	28	XSM0612	XSA0612	XS0612	5 1/2 11 1/2
-	XIF/X061806*	6	18	6	7 1/2	19 1/2	7 13/16	5 1/2	21 1/8	3/8	33	XSM0618	XSA0618	XS0618	5 5/8 16 7/8
-	XIF/X062406*	6	24	6	7 1/2	25 1/2	7 3/4	5 1/2	27	3/8	59	XSM0624	XSA0624	XS0624	5 5/8 22 7/8
-	XIF/X063606*	6	36	6	7 1/2	37 1/2	7 13/16	5 1/2	39	3/8	84	XSM0636	XSA0636	XS0636	5 5/8 34 7/8
XIFC/X070704	XIF/X070704	6 7/8	6 7/8	4	7 15/16	7 15/16	5 5/16	6 3/8	9 1/8	3/8	13	XSM0707	XSA0707	XS0707	6 1/2 6 1/2
-	XIF/X071603*	7	16	3 1/2	8 1/2	17 1/2	5 5/16	6 1/2	18 7/8	3/8	36	XSM0716	XSA0716	XS0716	6 1/2 15 1/2
-	XIF/X083206*	8	32	5 7/8	9 1/2	33 1/2	7 7/8	7 1/2	35	3/8	87	XSM0832	XSA0832	XS0832	7 1/2 31 1/2

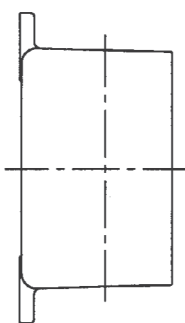
* Limited Approvals

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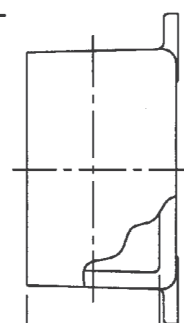
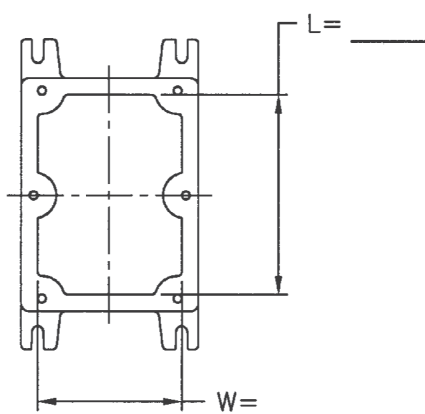
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Customer Design Sheets

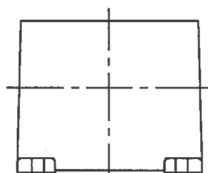
TOP VIEW



LEFT VIEW



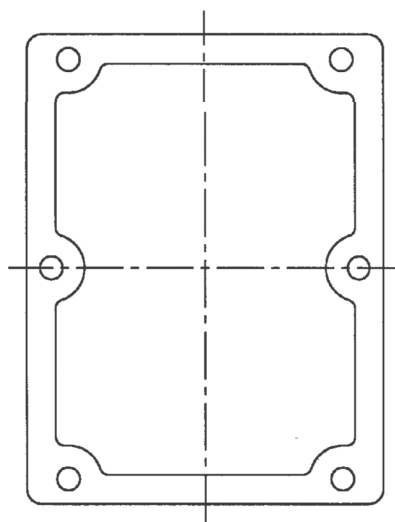
RIGHT VIEW



BOTTOM VIEW

BOX LAYOUT

CAT # XIF (C)(X) _____

☐ N4 O RING (XIF (C) Only)☐ MOUNTING PAN

COVER LAYOUT

Explosionproof Control Station

STANDARD FEATURES

- Lightweight, corrosion-resistant, copper-free aluminum alloy (0.3% max copper content)
- All operating shafts are stainless steel for corrosion resistance
- Durable cast on lugs cannot get lost
- Ground screw is highly visible and accessible
- Uniform wall thickness (not ribbed) for versatility of conduit openings assuring 5 full threads engagement and maximum available area for conduit drilling and tapping.
- Operators may be mounted through back wall for panel mounting
- Box depth provides for the stacking of 2 contact blocks
- Anodized aluminum operators install easily in the field

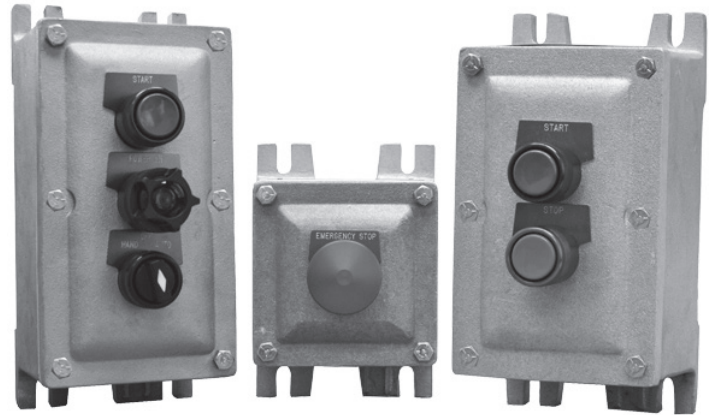
Table A2 - CONTROL STATION BOXES

# of Operators	Surface Mount*	Panel Mount*	Std. Cond. Size (in)
1	X1	X1P	¾
2	X2	X2P	¾
3	X3	X3P	¾
4	X4	X4P	1
5	X5	X5P	1 ¼
6	X6	X6P	1 ¼
7	X7	X7P	1 ¼
8	X8	X8P	1 ¼
12	X12	X12P	1 ½
15	X15	X15P	1 ½
18	X18	X18P	1 ½

* Panel Mount: Operators mounted in back, add P to operator suffix

* Surface Mount: Operators mounted in cover

NOTE: All operators holes are 3/4" - 14 NPSM



EXPLOSIONPROOF
ENCLOSURES

Table B2 - PILOT LIGHTS & LIGHTED PUSHBUTTON (SURFACE MOUNT)

Lens Color	SUFFIX NOS. FOR 120V PILOT LIGHTS		
	Guarded Candelabra Base XL	Guarded Slide Base XLS	Lighted Pushbutton** Unguarded XLP
Amber	337	343	30
Blue	338	344	35
Clear	339	345	40
Green	340	346	45
Red	341	347	50
White	342	348	55

CERTIFICATIONS

Class I, Division 1, Groups C & D
Class II, Groups E, F, G

For Type 4 or special machining options - see XIFC Series.
Listed enclosures must use Adalet auxiliary devices only

**CSA certified products require guarded pilot devices



CONTROL STATION

Box & Suffix Numbers

Table C2 - PILOT LIGHTS & LIGHTED PUSHBUTTON (SURFACE MOUNT)

Contact Block / Cam		SUFFIX NOS. FOR 120V PILOT LIGHTS					KEY SWITCH SUFFIX NUMBERS			
		Standard Selector Switch XHSS	Selector Switch w/ Padlock XHSSPL	Spring Ret. Center from R & L XHSSC	Spring Ret. Center from R XHSSR	Spring Ret. Center from L XHSSL	Standard Key Switch XHKSS	Spring Ret. Center from R & L XHKSSC	Spring Ret. Center from R XHKSSR	Spring Ret. Center from L XHKSSL
BT1A/1	NO NC	6	283	-	-	-	82	-	-	-
BT1B/1	NC NO	7	284	-	-	-	83	-	-	-
BT2/1	NO NO	8	285	-	-	-	84	-	-	-
BT3/1	NC NC	9	286	-	-	-	85	-	-	-
BT2/3	NO NO	10	293	111	135	159	86	229	249	269
BT1B/2	NC NO	11	288	112	136	160	87	224	244	264
BT2/2	NO NO	12	289	113	137	161	88	225	245	265
BT3/2	NC NC	13	290	114	138	162	89	226	246	266
BT3/3	NC NC	14	294	115	139	163	90	230	250	270
BT1A/2	NO NC	15	287	116	140	164	91	223	243	263
BT1A/3	NO NC	16	291	117	141	165	92	227	247	267
BT1B/3	NC NO	17	292	118	142	166	93	228	248	268

Table D2 - CONTROL STATION BOXES

Contact Block	Contact Style	Momentary Pushbutton XHPBS	Momentary Pushbutton w/Padlock XHPBS	Mushroom Head Momentary ¹ XHPBMS	Dual Pushbutton ¹ Momentary XHDPBS	Dual Pushbutton ¹ w/Lockout XHDPBSPL	Dual Pushbutton ² Maint XHDMCS	Dual Pushbutton ² Maint w/Lock XHDMCSPL
BT1A	1NO/1NC	1	307	106	72	322	77	327
BT2	2NO	2	308	107	73	323	78	328
BT3	2NC	3	309	108	74	324	79	329
BT4	1NO	4	310	109	-	-	-	-
BT5	1NC	5	311	110	-	-	-	-

¹ Standard knob is red. Black and green available.

² Standard with one green knob labeled "start" and one red knob labeled "stop". Unlabeled black knobs available.

Pushbuttons furnished with black collars and knobs as standard. Optional knobs: green, red. Optional colors: blue, green, gold or red. Maintained, push-pull operator available, but requires special spacing. Consult factory.

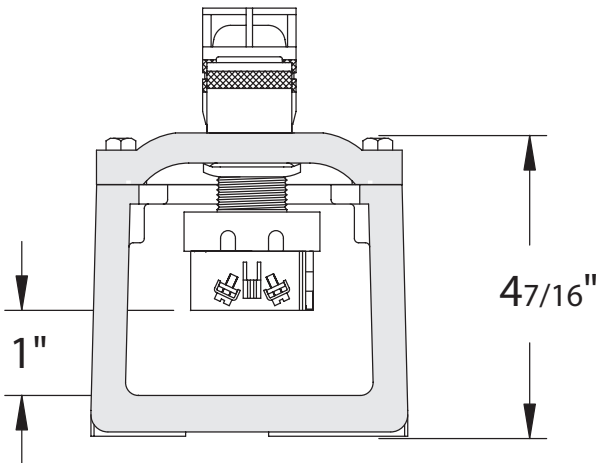
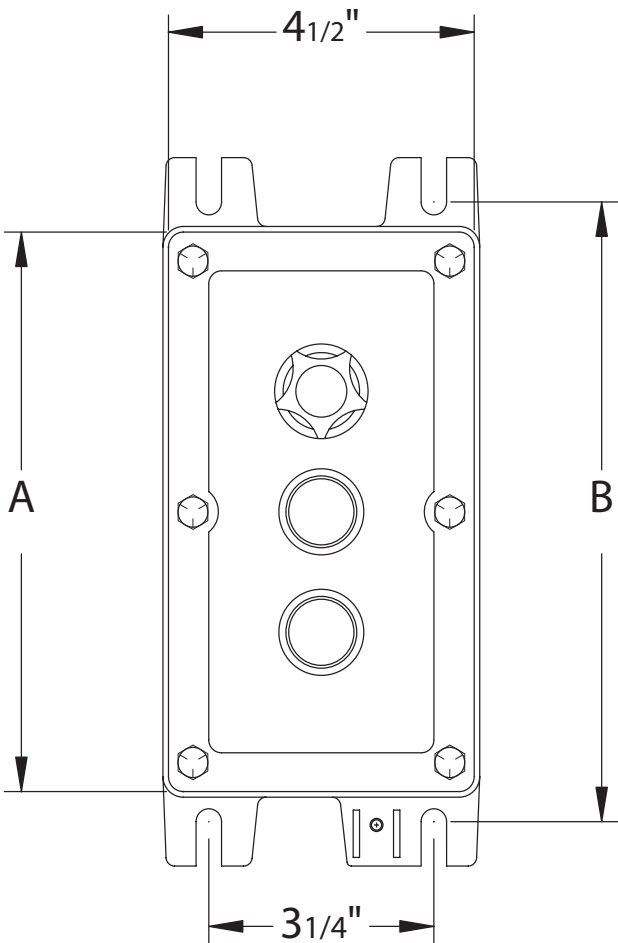
Other pilot devices available - consult factory

CONTROL STATION

Control Station

DIMENSIONS					
Enclosure	Nom. Inside Dimensions	Dimensions A B		Est. Weight (lbs)	Std. Conduit* Size (in.)
X1	030303	4 1/2	5 1/2	5	3/4
X2	030603	7 1/6	8	7	3/4
X3	030703	8 1/8	9	8	3/4
X4	030903	10 1/6	11	10	1
X5	031103	12 1/6	13	11	1 1/4
X6	031303	14 1/6	15	12	1 1/4
X7	031503	16	17	13	1 1/4
X8	031803	19	20	16	1 1/4
X12	032403	25 1/6	26	21	1 1/2
X15	033003	31 1/8	32 1/8	28	1 1/2
X18	033603	37 1/4	38 1/8	33	1 1/2

Control stations have conduit openings centered on top and bottom.
*Consult factory for other conduit sizes



EXPLOSIONPROOF ENCLOSURES

PENDANT STATION

Control Station

Ordering Information

To order control stations, determine the number of operators required. Select the control station box by operator quantity and mounting type from Table A2. Order operators by suffix numbers from Tables B2, C2 and D2. Add suffix numbers to box number and separate by dashes. All operator holes must be filled. Use suffix "0" for plugs to fill unused space. Installation of operators will be made from top to bottom in sequence as listed. Select optional legend plates from Table F2 below.

Table F2 - STANDARD MARKING

PUSHBUTTON / PILOT LIGHTS			SELECTOR SWITCHES	
Blank	Slow	Reset	Run-Jog	Open-Off-Close
Start	Open	In	Hand-Auto	Fast-Off-Slow
Inch	Close	Out	Forward - Reverse	Run-Auto-Jog
Stop	Up	Left	Fast-Slow	Hand-Off-Auto
Run	Jog	Right	Open-Close	Forward-Off-Reverse
Forward	On	Low	Up-Down	1-Off-2
Reverse	Off	High	Off-On	Up-Off-Down
Fast	Back	Down		
		E-Stop		

Legend plates are anodized aluminum with engraved letters on black background
 Stop has red and start has green background
 Special engraved legend plates can be supplied

Contact Ratings

MAX RATING: TYPE BT CONTACT BLOCKS

VOLTS		AC				DC			
		110	220	440	550	24/28	120	240	600
Make & Energy Interrupting Capacity	A	60	30	15	12	5.7	1.1	0.5	0.2
Normal Load Break	A	6	3	1.5	1.2	5.7	1.1	0.5	0.2
Continuous Current	A	10	10	10	10	5.	10.	10.	10.5

CONTROL STATION

Pendant / Operator Station

Adalet offers a complete line of explosionproof pendant stations for pushbutton control & operation in rugged or hazardous locations. Designed for use in Class I, Division 1 & 2 or Zone 1 & 2 locations, the cast aluminum enclosure and heavy duty operators provide a rugged solution for operating overhead cranes, hoists, lifts, and other remote controlled equipment. Available in various hole configurations, the enclosures can be assembled with Adalet's line of explosionproof pushbuttons, emergency stop pushbuttons, pilot lights, and selector switches. Optional hanging brackets, and strain relief provide the necessary accessories for safe hanging and operation. Safety yellow paint provides high visibility in high traffic, industrial applications.

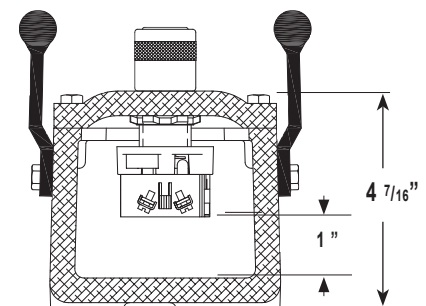
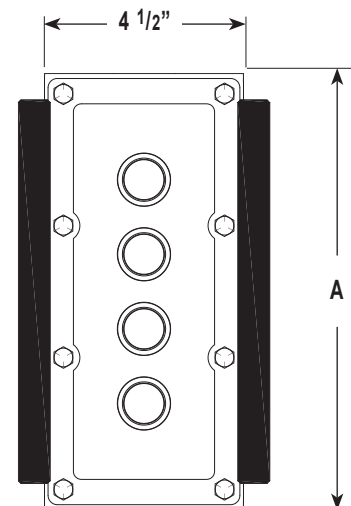
STANDARD FEATURES

- 11 standard sizes
- Standard feed through conduit entries
- Enclosures rated NEMA Type 4X, 7, 9
- Populated with Adalet pushbuttons, pilot lights, selector switches or emergency stops
- ATEX and IECEx versions available, consult factory
- Side handles
- Safety yellow coating for high visibility

CERTIFICATIONS

Class I, Division 1, Groups C & D
Class II, Groups E, F, G

CSA Certified products require guarded pilot devices



EXPLOSIONPROOF
ENCLOSURES

PENDANT / OPERATOR STATION

ENCLOSURE	NOM. INSIDE DIM.	DIMENSION A	EST. WEIGHT (LBS.)	STD. CONDUIT SIZE (IN.)
X2CP	030603	7 ¹ / ₁₆	7	³ / ₄
X3CP	030703	8 ¹ / ₈	8	³ / ₄
X4CP	030903	10 ¹ / ₁₆	10	1
X5CP	031103	12 ¹ / ₁₆	11	1 ¹ / ₄
X6CP	031303	14 ¹ / ₁₆	12	1 ¹ / ₄
X7CP	031503	16	13	1 ¹ / ₄
X8CP	031803	19	16	1 ¹ / ₄
X12CP	032403	25 ¹ / ₁₆	21	1 ¹ / ₂
X15CP	033003	31 ¹ / ₈	28	1 ¹ / ₂
X18CP	033603	37 ¹ / ₄	33	1 ¹ / ₂

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DUST-IGNITION PROOF

Dust-Ignition Proof Enclosures

STANDARD FEATURES

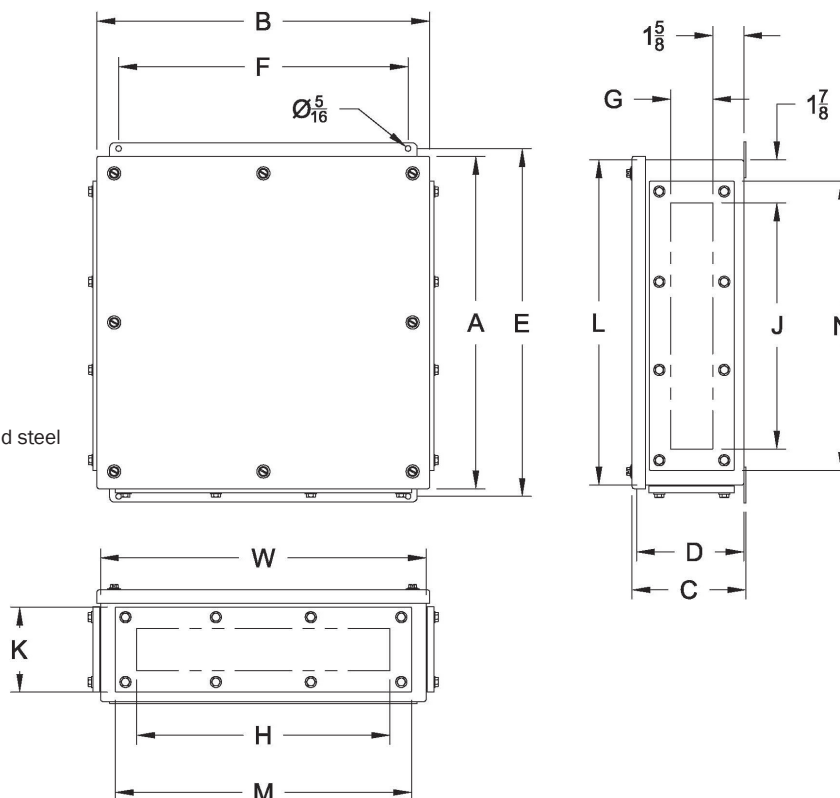
- 9 standard sizes available
- Wall mounting feet
- Watertight silicone gasket
- Stainless steel hardware
- Four #10-32 weld nuts for optional mounting panel (mounting panel sold separately)
- Grounding studs on inside of box and cover
- Gland plates for drilled and tapped entries (specify sides A,B,C,D)

DESIGN OPTIONS

- Mounting panels - available in stainless steel or painted steel
- Aluminum gland plates
- Conduit drilling & tapping from ½" NPT to 3" NPT
- Custom sizes

MATERIAL

- Enclosure - 14 gauge / Type 316L stainless steel
- Cover Bolts - Stainless Steel 316L
- Gland Plates - copper-free aluminum (¾ of 1%)



CERTIFICATIONS

Class II, Division I, Groups E, F, G
Class III
UL 1203

CSA C22.2 No. 25
NEMA Type 4X, 9
UL 50



Dust-Ignition Proof Series

CAT. NUMBER	INSIDE NOM. DIM.			OVERALL DIM.			MOUNTING FEET		GLAND PLATE OPENING			GLAND PLATE AREA		
	L	W	D	A	B	C	E	F	G	H	J	K	M	N
D9SC-161206	16	12	6	16 ½	12 ½	6 ¼	17 ½	10	2 ½	10 ⅛	11 ⅞	4 ⅝	11 ⅛	14 ⅞
D9SC-161608	16	16	8	16 ½	16 ½	8 ¼	17 ½	14	4 ½	14 ⅛	11 ⅞	6 ⅝	15 ⅛	14 ⅞
D9SC-201608	20	16	8	20 ½	16 ½	8 ¼	21 ½	14	4 ½	14 ⅛	15 ⅞	6 ⅝	15 ⅛	18 ⅞
D9SC-202008	20	20	8	20 ½	20 ½	8 ¼	21 ½	18	4 ½	18 ⅛	15 ⅞	6 ⅝	19 ⅛	18 ⅞
D9SC-241608	24	16	8	24 ½	16 ½	8 ¼	25 ½	14	4 ½	14 ⅛	19 ⅞	6 ⅝	15 ⅛	22 ⅞
D9SC-242410	24	24	10	24 ½	24 ½	10 ¼	25 ½	22	6 ½	22 ⅛	19 ⅞	8 ⅝	23 ⅛	22 ⅞
D9SC-302410	30	24	10	30 ½	24 ½	10 ¼	31 ½	22	6 ½	22 ⅛	25 ⅞	8 ⅝	23 ⅛	28 ⅞
D9SC-362410	36	24	10	36 ½	24 ½	10 ¼	37 ½	22	6 ½	22 ⅛	31 ⅞	8 ⅝	23 ⅛	34 ⅞
D9SC-363010	36	30	10	36 ½	30 ½	10 ¼	37 ½	28	6 ½	28 ⅛	31 ⅞	8 ⅝	29 ⅛	34 ⅞

Explosionproof & Dust-Tight Control Station Box for Panel Mounting

STANDARD FEATURES

- Designed for mounting on panel boards so that pilot lights, pushbuttons and switch handles are flush with panel fronts and the bodies or housings are in back of the panel.
- Threaded necks are provided with locknuts to clamp fittings in place on panels when used with long operators. The parts extending beyond the face of the panel have a black anodized finish.
- Style XB is suitable for combinations of pilot lights, pushbuttons and selector switches for 600 volt maximum use and are large enough to include pilot light transformers. XB bodies have flat machined joint covers fastened with machine screws. Covers give maximum accessibility to interiors.
- All station boxes are drilled and tapped with 3/4" NPSM thread for operator, or pilot lights. Unused openings must be plugged with XPP plugs, XB style boxes are suitably padded for two conduit openings on one end and one on opposite end. 1" maximum conduit size.

CERTIFICATIONS

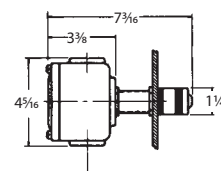
NEC Class I, Groups C & D
Class II, Groups E, F, G

DIMENSIONS

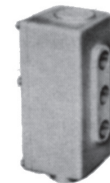
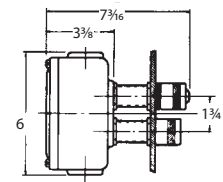
CAT #	DESCRIPTION	OUTSIDE DIMENSIONS (IN.)			WEIGHT EA. (LBS)
		W	L	D	
XB 1	1 station box - specify hubs	3 1/2	4 7/16	3 7/16	1 3/4
XB 2	2 station box - specify hubs	3 1/2	6 3/8	3 7/16	2
XB 3	3 station box - specify hubs	3 1/2	8 1/16	3 7/16	2 3/4
XB 4	4 station box - specify hubs	3 1/2	9 3/8	3 7/16	3 1/4



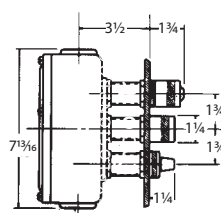
XB1



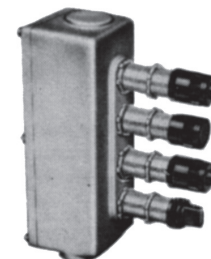
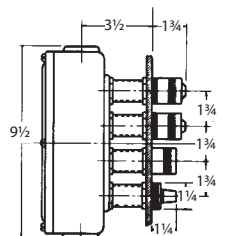
XB2



XB3



XB4



Explosionproof Auxiliary Devices

EXPLOSIONPROOF AUXILIARY DEVICES

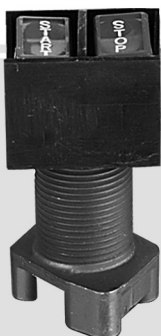
Adalet Explosionproof Operators are for use in control circuits functioning in environments containing hazardous gases, vapors or dusts. These heavy duty pilot lights, pushbuttons and selector switches are suitable for use in Class I, groups C & D hazardous gas; Class II, Groups E, F & G dust atmospheres.

- Operators are suitable for NEMA 3, 4, Nema 7, 9, rain-tight, water-tight hazardous environments
- Two lengths available for either surface or panel mount.
- Knurled caps are standard with black anodized finish. Specify color-coding of operator caps (no additional cost)
- Pilot light transformers available for 120, 240, & 480 volts and special lengths pilot light wiring leads available
- Alodine coated process, minimize corrosion and provides for ease of operation
- All operators are 3/4" NPSM standard stainless steel shafts standard

ATEX FLAMEPROOF AUXILIARY DEVICES

Adalet has added an ATEX certified pilot light with LED lamps to their line of explosionproof operators. The ATEX certified LED pilot light completes a line of NEMA 7 and 9 pilot devices which include, pushbuttons, selector switches, and potentiometers. All products sold or placed into service in any European Union Member State must be ATEX-certified. The Adalet ATEX-certified flameproof pilot devices are UL and CSA approved and also meet the ATEX Directive for European applications when installed in an ATEX certified Adalet explosionproof enclosure.

Explosionproof Auxiliary Devices



Contents

Explosionproof Auxiliary Devices

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Flame Arrestors	144
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PUSHBUTTONS

Explosionproof & Dust-Tight Push Buttons

STANDARD FEATURES

- All operators are die cast aluminum alloy. The barrels are all $\frac{3}{4}$ " NPSM thread. Maximum installation thickness $1\frac{3}{4}$ " long barrel, $\frac{3}{4}$ " short barrel.
- Black molded nylon buttons. The exposed metal parts are black anodized aluminum. For color coding we will furnish at no additional cost the following color combinations: Red buttons with red metal caps and green buttons with green metal caps. Metal caps are also available in blue, gold or clear with black buttons. Specify colors required.
- Red Mushroom head buttons are $1\frac{3}{4}$ " diameter anodized aluminum. Also available in black or green.
- XHPBPL has padlock attachment on top of cap allowing operator to be locked with the push button depressed.
- For use with BT contact blocks. Contact blocks can be stacked for multiple circuits. Contact blocks are not included with the operators.
- XHPPM/XHPPMS require 2" minimum spacing.
- XHPB pushbuttons are momentary.
- XHPP pushbuttons are maintained.

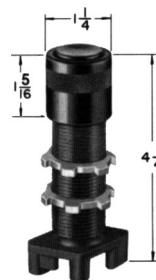
FOR USE WITH SERIES BT CONTACT BLOCKS

CAT. NUMBER	OPERATOR DESCRIPTION	WEIGHT (LBS.)
XHPB	Long Barrel	$\frac{1}{2}$
XHPBS	Short Barrel	$\frac{1}{2}$
XHPBM	Red Mushroom Head, Long Barrel	$\frac{1}{2}$
XHPBMS	Red Mushroom Head, Short Barrel	$\frac{1}{2}$
XHPBPL	W/Padlock devices, Long Barrel	$\frac{3}{4}$
XHPBSPL	W/Padlock devices, Short Barrel	$\frac{3}{4}$
XHPPM*	Push/Pull switches, Long Barrel	$\frac{3}{4}$
XHPPMS*	Push/Pull switches, Short Barrel	$\frac{3}{4}$

*Type BT1 contact blocks are included

CERTIFICATIONS

Class I, Division 1, Groups B, C & D
Class II, Groups E, F & G
NEMA Type 3, 4, 7 & 9



XHPB



XHPBS



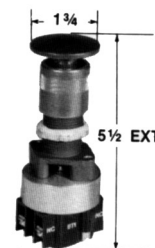
XHPBM



XHPBMS



XHPPM



XHPPMS



XHPBPL

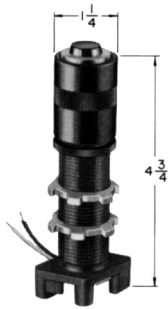


XHPBSPL

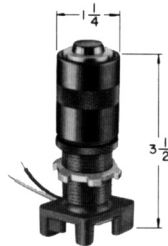
Illuminated Push Button / Push-To-Test Operators

STANDARD FEATURES

- Die cast aluminum alloy. The barrels are all $\frac{3}{4}$ " NPSM thread. Maximum installation thickness 1 $\frac{15}{16}$ " Long Barrel, $\frac{3}{4}$ " short barrel.
- Furnished standard with 120 volt slide base lamp. Also available for 6, 12, 24, 28, 48 and 60 volts. Specify when ordering.
- For use with BT contact blocks. Contact blocks can be stacked for multiple circuits. Contact blocks are not included with the operators. For NEMA 4 application, add boot and special legend plate. (See accessories at end of section)



XLP Long Series
(Long Barrel)



XLPS Short Series
(Short Barrel)

CERTIFICATIONS

Class I, Groups C & D
Class II, Groups E, F & G
NEMA Type 7 & 9



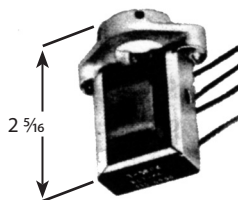
*Consult factory for ATEX certifications

LONG BARREL

CATALOG # (STANDARD)	CATALOG # (GUARDED)	CATALOG # (ATEX*)	DESCRIPTION	WEIGHT (LBS.)
XLPA	XLPA-G	XLPA-X	Amber Lens	$\frac{3}{4}$
XLPB	XLPB-G	XLPB-X	Blue Lens	$\frac{3}{4}$
XLPC	XLPC-G	XLPC-X	Clear Lens	$\frac{3}{4}$
XLPG	XLPG-G	XLPG-X	Green Lens	$\frac{3}{4}$
XLPR	XLPR-G	XLPR-X	Red Lens	$\frac{3}{4}$
XLPW	XLPW-G	XLPW-X	White Lens	$\frac{3}{4}$

SHORT BARREL

CATALOG # (STANDARD)	CATALOG # (GUARDED)	CATALOG # (ATEX*)	DESCRIPTION	WEIGHT (LBS.)
XLPA-S	XLPA-S-G	XLPA-S-X	Amber Lens	$\frac{1}{2}$
XLPB-S	XLPB-S-G	XLPB-S-X	Blue Lens	$\frac{1}{2}$
XLPC-S	XLPC-S-G	XLPC-S-X	Clear Lens	$\frac{1}{2}$
XLPG-S	XLPG-S-G	XLPG-S-X	Green Lens	$\frac{1}{2}$
XLPR-S	XLPR-S-G	XLPR-S-X	Red Lens	$\frac{1}{2}$
XLPS-S	XLPS-S-G	XLPS-S-X	White Lens	$\frac{1}{2}$



XLT

Pilot Light Transformers

One transformer required for each pilot light. Adapter furnished for mounting on threaded pilot light stem, or can be mounted to housing as space requires.

PILOT LIGHT TRANSFORMERS

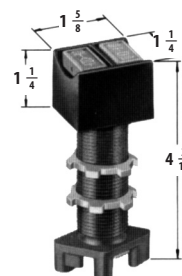
CATALOG #	DESCRIPTION	WEIGHT (LBS.)
XLT 240	240 to 120 Volt	1
XLT480	480 to 120 Volt	1

PUSHBUTTONS

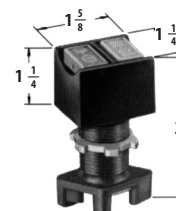
Dual Push Button Operator or Maintained Contact Unit

STANDARD FEATURES

- Die cast aluminum alloy. The barrels are all $\frac{3}{4}$ " NPSM thread. Maximum installation thickness $1\frac{15}{16}$ " Long Barrel, $\frac{3}{4}$ " Short Barrel.
- For use with BT contact blocks. Contact blocks can be stacked for multiple circuits. Contact blocks are not included with XHD operators. (See accessories at end of section)
- Red and green or black pushbuttons available, please specify



**XHDPB
XHDMC**



**XHDPBS
XHDMCS**

FOR USE WITH SERIES BT CONTACT BLOCKS

CATALOG #	OPERATOR DESCRIPTION	WEIGHT (LBS.)
XHDPB	Long Barrel - momentary*	$\frac{1}{2}$
XHDPBS	Short Barrel - momentary*	$\frac{1}{2}$
XHDMC	Maintained Contact, Long Barrel	$\frac{1}{2}$
XHDMCS	Maintained Contact, Short Barrel	$\frac{1}{2}$

*Two contacts in the BT contact block are actuated independently
LEGEND PLATES AT END OF SECTION

CERTIFICATIONS

Class I, Division 1, Groups B, C & D
Class II, Groups E, F & G
NEMA Type 3, 4, 7 & 9



SELECTOR SWITCHES**Selector Switch Operators****XHSS Series****XHSSS Series****XHSSPL****XHSSSPL****XSSL****XSSS****STANDARD FEATURES**

- Die cast aluminum alloy. The barrels are all $\frac{3}{4}$ " NPSM thread. Maximum installation thickness: $1\frac{5}{16}$ " Long Barrel, $\frac{3}{4}$ " Short Barrel.
- Specify 2 position or 3 position. For 3-position, order must specify cam (see contact block page for contact sequence chart).
- All operators have black molded nylon knobs. The exposed metal parts are black anodized aluminum.
- Contact blocks are not included with XHSS operators. Select contact block and sequence operating cam from contact block page. (See accessories at end of section)

LONG BARREL

CATALOG #	CAM	# POS.	OPERATOR DESCRIPTION	WEIGHT (LBS.)
XHSS		2/3	Long Barrel	$\frac{1}{2}$
XHSC*		3	Spring Return to Center from Right & Left	$\frac{1}{2}$
XHSR2	2	2	Spring Return to Left from Right	$\frac{1}{2}$
XHSR		3	Spring Return to Center from Right, Maintain Left	$\frac{1}{2}$
XHSL2	4	2	Spring Return to Right from Left	$\frac{1}{2}$
XHSL		3	Spring Return to Center from Left, Maintain Right	$\frac{1}{2}$

SHORT BARREL

CATALOG #	CAM	# POS.	OPERATOR DESCRIPTION	WEIGHT (LBS.)
XHSSS		2/3	Short Barrel	$\frac{1}{2}$
XHSSC*		3	Spring Return to Center from Right & Left	$\frac{1}{2}$
XHSSR2	2	2	Spring Return to Left from Right	$\frac{1}{2}$
XHSSR		3	Spring Return to Center from Right, Maintain Left	$\frac{1}{2}$
XHSSL2	4	2	Spring Return to Right from Left	$\frac{1}{2}$
XHSSL		3	Spring Return to Center from Left, Maintain Right	$\frac{1}{2}$

*3 Position Only

CERTIFICATIONS

Class I, Division 1, Groups B, C & D
 Class II, Groups E, F & G
 NEMA Type 3, 4, 7 & 9

**SELECTOR SWITCH**

CATALOG #	OPERATOR DESCRIPTION	WEIGHT (LBS.)
XHSSPL	w/padlock device Long Barrel	$\frac{3}{4}$
XHSSSPL	w/padlock device Short Barrel	$\frac{3}{4}$
XSSL-4P	Long Barrel, Four Position	$\frac{3}{4}$
XSSL-5P	Long Barrel, Five Position	$\frac{3}{4}$
XSSS-4P	Short Barrel, Four Position	$\frac{3}{4}$
XSSS-5P	Short Barrel, Five Position	$\frac{3}{4}$

NOTE For extremely wet-dirty location applications, use protective boots.
 EXCLUDES PADLOCK DEVICES.

SEND ORDERS TO ORDERS@ADALET.COMT: 216.267.9000 | F: 216.267.1681 | info@adalet.com

©Adalet

SELECTOR SWITCHES

Keylock Selector Switch Operators

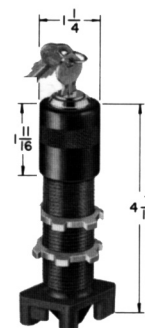
STANDARD FEATURES

- The barrels are all $\frac{3}{4}$ " NPSM thread. Max. installation thickness: 1 $\frac{15}{16}$ " Long Barrel, $\frac{3}{4}$ " Short Barrel.
- Selector switch operators can be used as 2 position or 3 position by removal of knob and rotating knob 180°.
- The actuator cam which operates the plungers on the contact blocks can be readily changed for various contact sequences. FOR 3 POSITION, ORDERS MUST STATE CAM NUMBER.
- The exposed metal parts are black anodized aluminum.
- Contact blocks are not included with operators. Select contact block and sequence operating cam from contact block page.

LONG BARREL				
CATALOG #	CAM	# POS.	OPERATOR DESCRIPTION	WEIGHT (LBS.)
XHKSS		2/3	Long Barrel	$\frac{1}{2}$
XHKSC*		3	Spring Return to Center from Right & Left	$\frac{1}{2}$
XHKSR2	2	2	Spring Return to Left from Right	$\frac{1}{2}$
XHKSR		3	Spring Return to Center from Right, Maintain Left	$\frac{1}{2}$
XHKSL2	4	2	Spring Return to Right from Left	$\frac{1}{2}$
XHKSL		3	Spring Return to Center from Left, Maintain Right	$\frac{1}{2}$

SHORT BARREL				
CATALOG #	CAM	# POS.	OPERATOR DESCRIPTION	WEIGHT (LBS.)
XHKSSS		2/3	Short Barrel	$\frac{1}{2}$
XHKSSC*		3	Spring Return to Center from Right & Left	$\frac{1}{2}$
XHKSSR2	2	2	Spring Return to Left from Right	$\frac{1}{2}$
XHKSSR		3	Spring Return to Center from Right, Maintain Left	$\frac{1}{2}$
XHKSSL2	4	2	Spring Return to Right from Left	$\frac{1}{2}$
XHKSSL		3	Spring Return to Center from Left, Maintain Right	$\frac{1}{2}$

* 3 position only



XHKSS



XHKSSS

Potentiometer & Switch Operators

STANDARD FEATURES

- Die cast aluminum alloy. The barrels are all $\frac{3}{4}$ " NPSM thread. $\frac{1}{4}$ " diameter shafts. Maximum installation thickness: 1 $\frac{15}{16}$ " long barrel, $\frac{3}{4}$ " short barrel.
- XPO-XPOS have knob and dial marked 1 to 100. Two dial sizes are available.
- XPOC-XPOCS have 15 turn counting dial.
- Operators include 3 pc. coupling and device mounting bracket.
- Potentiometers not furnished, consult factory.



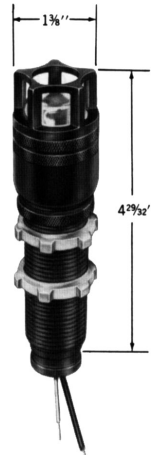
CATALOG #	OPERATOR DESCRIPTION	MOUNTING	WEIGHT (LBS.)
XPO	Plain Dial	Long Barrel	$\frac{1}{2}$
XPOL	Plain Dial, Large Size	Long Barrel	$\frac{1}{2}$
XPOC	Counting Dial	Long Barrel	$\frac{3}{4}$
XPOS	Plain Dial	Short Barrel	$\frac{1}{2}$
XPOSL	Plain Dial, Large Size	Short Barrel	$\frac{1}{2}$
XPOCS	Counting Dial	Short Barrel	$\frac{1}{2}$

CERTIFICATIONS

Class I, Division 1, Groups B, C & D
Class II, Groups E, F & G
NEMA Type 3, 4, 7 & 9



Guarded Pilot Lights for Group B Applications



XL Long Series
(Panel Mount)



XLS Short Series
(Surface Mount)



Replacement Cap



STANDARD FEATURES

- Explosionproof pilot lights are suitable for long barrel or short barrel applications.
- Sealed construction and can be relamped from the front by removal of lens cap.
- Made for 3/4" NPSM threads.
- 8" flexible leads, other lengths on special order, or screw terminal (suffix T).
- All lens caps are black anodized aluminum finish.
- **Maximum installation thickness:** 1 13/16" on Long Series, 5/8" on Short Series.
- **Standard Series** - Equipped with candelabra base receptacles and 6 watt 120 volt 6S6 Clear 1500 hr. avg. lamps. Also available with 6, 12, 24, 30, 50, 75 and 135 volt lamps. Specify voltage desired.
- **Slide Base Series** - Equipped with slide base receptacles and 120 volt 5000 hr. avg. lamps with slide base. Also available with 6, 12, 24, 48 and 60 volt lamps. Specify voltage desired.

STANDARD SERIES

LONG BARREL CAT #	SHORT BARREL CAT #	DESCRIPTION	WEIGHT (LBS.)
XLA-GH	XLSA-GH	Amber Lens	1/2
XLB-GH	XLSB-GH	Blue Lens	1/2
XLC-GH	XLSC-GH	Clear Lens	1/2
XLG-GH	XLSG-GH	Green Lens	1/2
XLR-GH	XLSR-GH	Red Lens	1/2
XLW-GH	XLSW-GH	White Lens	1/2

SLIDE BASE SERIES

LONG BARREL CAT #	SHORT BARREL CAT #	DESCRIPTION	WEIGHT (LBS.)
XLAS-GH	XLSAS-GH	Amber Lens	1/2
XLBS-GH	XLSBS-GH	Blue Lens	1/2
XLCS-GH	XLSCS-GH	Clear Lens	1/2
XLGS-GH	XLGS-GH	Green Lens	1/2
XLRS-GH	XLRS-GH	Red Lens	1/2
XLWS-GH	XLWS-GH	White Lens	1/2

*Add suffix T to P/N for screw terminal (Example: XLAST-GH)

REPLACEMENT CAP

CATALOG #	DESCRIPTION	WEIGHT (LBS.)
XLA-GCH	Amber Lens	1/8
XLB-GCH	Blue Lens	1/8
XLC-GCH	Clear Lens	1/8
XLG-GCH	Green Lens	1/8
XLR-GCH	Red Lens	1/8
XLW-GCH	White Lens	1/8

CERTIFICATIONS

Class I, Division 1, Groups B, C & D
Class II, Groups E, F & G
NEMA Type 3, 4, 7 & 9



PILOT LIGHTS

Guarded LED Pilot Lights for Group B Applications

STANDARD FEATURES

- Suitable for long barrel or short barrel applications. All candelabra base LED lights can be relamped from the front by removal of the lens cap.
- Made with $\frac{3}{4}$ " NPSM threads.
- All LED pilot lights have 8" flexible leads, other lengths on special order, or screw terminal.
- Add suffix T to P/N for screw terminal.
- All lens caps are black anodized aluminum finish with colored glass lens.
- Maximum installation thickness: $1\frac{13}{16}$ " on long barrel, $\frac{5}{8}$ " on short barrel.

LED Advantages:

- 10 Year/100,000 hour service life under normal ambient conditions.
- Up to 4x more energy efficient.
- Improved resistance to shock and vibration.
- LEDs operate significantly cooler than traditional lamps.
- Ultra bright cluster LED's.

STANDARD SERIES

LONG BARREL CAT #	SHORT BARREL CAT #	DESCRIPTION	WEIGHT (LBS.)
XLRL-GH	XLSRL-GH	Red	$\frac{1}{2}$
XLAL-GH	XLSAL-GH	Amber	$\frac{1}{2}$
XLGL-GH	XLSGL-GH	Green	$\frac{1}{2}$
XLWL-GH	XLSWL-GH	White	$\frac{1}{2}$
XLBL-GH	XLSBL-GH	Blue	$\frac{1}{2}$

*Add suffix T to P/N for screw terminal (Example: XLRLT-GH)

120V dual polarity supplied as standard. 5, 12, 24, 48, 60 volts optional, consult factory.

CERTIFICATIONS

Class I, Division 1, Groups B, C & D
Class II, Groups E, F & G
NEMA Type 3, 4, 7 & 9



**XL Long Series
(Panel Mount)**

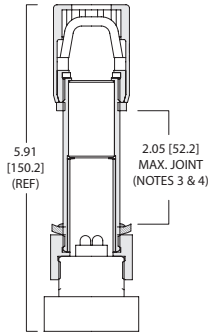


**XLS Short Series
(Surface Mount)**

ATEX Certified LED Pilot Lights

STANDARD FEATURES

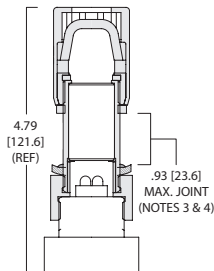
- Explosionproof pilot lights are suitable for panel or surface mount applications. Superior Safety Lamps located inside enclosure (not under lens cap) for worry-free operation.
- Configurable: Your choice of color, short or long lengths and 120 or 240 Volt lamps.
- 240 Volt Power Option Use optional resistor type base for 240 Volt applications.
- Low Maintenance 10 year/100,000 service life under normal ambient conditions.
- Efficient 4x more efficient than standard incandescent bulbs.
- Improved Visibility Utilizes ultra-bright cluster LED's.



XLX _ _ - G

LONG BODY

CLASSIC GUARDED CAP



XLXS _ _ - G

SHORT BODY

CLASSIC GUARDED CAP

BASE CATALOG NUMBER

BODY LENGTH³

- NONE = Long - S = Short

COLOR OF LENS & LAMP²

- R = Red - B = Blue
 - A = Amber (Yellow) - W = White
 - G = Green

VOLTAGE¹

- 120, 240 (optional voltages available, consult factory.)

CAP

- G = Guarded Classic Cap

¹ 240 Volt lamp requires optional resistor type base (P/N 31216-1). Maximum lamp Voltage is 120.

² Color of lamp and lens are normally the same. White lamp uses clear lens cap.

³ Minimum length of threaded joint = seven threads (Group B), = five threads (Group C).

⁴ Maximum installation thickness shown for classic guarded models may be increased .15" by discarding knurled lock ring. Minimum length of threaded joint must be satisfied.

CERTIFICATIONS

ATEX Directive 94/9/EC
 UL 60079-0/UL 60079-1
 IEC 60079-0 / IEC 60079-1
 UL 698 / UL 1203 / CSA C22.2, No.30
 UL 50
 IEC 60529
 DEMKO Certificate: 05 ATEX 0530154U

Ex d IIB+H2 T6 Tamb -20°C to +55°C
 Class I, Zone 1, AEx d IIB+H2 T6 Tamb -20°C to +55°C
 Ex d IIB+H2 T6 Tamb -20°C to +55°C
 Class I, Groups B, C & D; Class II, Groups E, F & G
 IP66
 NEMA Type 4, 4X, 7 & 9
 CE 0539 Ex II 2 GD



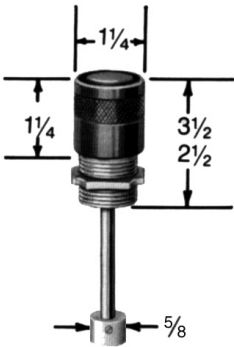
LISTED 4375

Reset Button Operators

STANDARD FEATURES

- Used for resetting contactors, relays, etc. in explosionproof and weather-proof enclosures. Made with 3/4" NPSM threaded stem.
- Standard operating shaft length 6" can be cut to length. Special lengths are also available. Use XRBL for wall thickness greater than 3/4".

RESET BUTTON		
CATALOG #	OPERATOR DESCRIPTION	WEIGHT (LBS.)
XRБ	Reset Button - Short	1/2
XRBL	Reset Button - Long	1/2



XRБ / XRBL

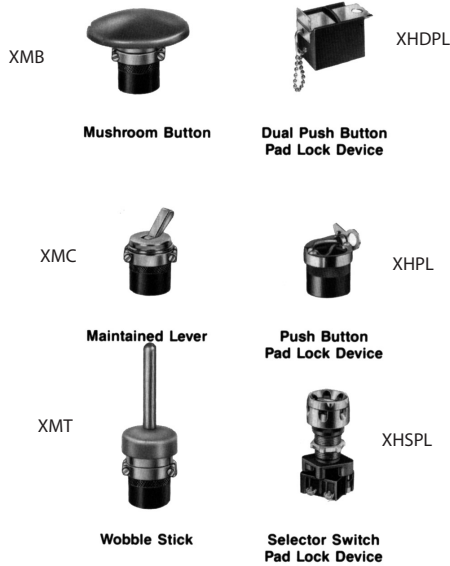
CERTIFICATIONS

Class I, Division 1, Groups B, C & D
Class II, Groups E, F & G
NEMA Type 3, 4, 7 & 9

Push Button & Selector Switch Components

STANDARD FEATURES

- Operator locking caps and actuator devices can be adapted to existing explosion proof operators.
- Simple installation requires removal of top cap and threading on the replacement unit.



PUSHBUTTON & SELECTOR SWITCH

CATALOG #	DESCRIPTION	WEIGHT (LBS.)
XHDPL	Padlock Device for Dual Push Button	¼
XHPL	Padlock Device to activate Push Button	¼
XHSPL	Padlock Device for Selector Switch	¼
XMB	Red Mushroom Head 2 ¼" Button	¼
XMC	Maintained Contact Lever for Push Buttons	¼
XMT	Wobble Stick 2 ½" Long for NC Push Button	¼
XHPLG	Padlockable Push Button Cover (Not Shown)	¼

NOTE Mushroom button and wobble stick recommended only for operators with normally closed contact blocks.

Operator Protective Boots

STANDARD FEATURES

- Molded silicone rubber, protective boots for use with explosion proof operators in extremely wet-dirty locations. Makes operators suitable for NEMA Type 3, 4, 4X, 5, 7, 9, 12, 13 application.
- Boot and metal collar are an integral assembly available as a factory adder or a field replacement.
- Simple installation requires removal of existing cap and threading on the replacement.



PUSHBUTTON & SELECTOR SWITCH

CATALOG #	DESCRIPTION	WEIGHT (LBS.)
XBB	Black Push Button Cap	1 oz.
XBG	Green Push Button Cap	1 oz.
XBR	Red Push Button Cap	1 oz.
XBSB	Black Selector Switch Cap	1 oz.
XBSG	Green Selector Switch Cap	1 oz.
XBSR	Red Selector Switch Cap	1 oz.
XBPC	Clear Pilot Light Push Button Cap	1 oz.

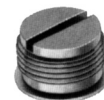
NOTE To order as complete operator, add part # as suffix

ACCESSORIES

Close Up Plugs for Unused Operator Openings

CLOSE UP PLUGS

CATALOG #	OPERATOR DESCRIPTION	WEIGHT
XPPH3-N4	3/4" NPSM Type 4	3/4 oz.



XPPH3-N4
BLACK ANODIZED

Legend Plates

STANDARD FEATURES

- Legend plates are anodized aluminum with engraved letters on black background (XNP).
- Stop has red and start has green background.
- Special engraved legend plates can be supplied.
- Legend plate has foam gasket backing for use with protective boots for sealing.
- Engraving one line only see Price List (XNPW).

SPECIFY LEGEND PLATE

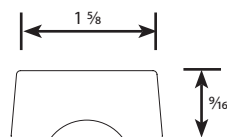
CATALOG #	OPERATOR DESCRIPTION	WEIGHT (OZ.)
XNP	Specify Legend	1
XNPL	Specify Legend	1

LEGEND PLATES

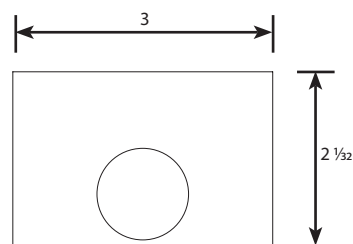
CATALOG #	OPERATOR DESCRIPTION	WEIGHT (OZ.)
XNPWB	Black Blank Legend Plate	1
XNPWG	Green Blank Legend Plate	1
XNPWR	Red Blank Legend Plate	1
XNPW XL	Specify Legend	1

STANDARD MARKING

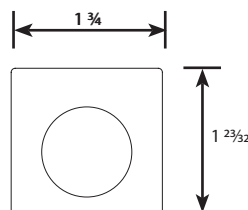
FOR PUSH BUTTON			FOR SELECTOR SWITCHES	
(BLANK)	SLOW	RESET	RUN-JOG	OPEN-OFF-CLOSE
START	OPEN	IN	HAND-AUTO	FAST-OFF-SLOW
INCH	CLOSE	OUT	FWD-REV	RUN-AUTO-JOG
STOP	UP	LEFT	FAST-SLOW	HAND-OFF-AUTO
RUN	JOG	RIGHT	OPEN-CLOSE	FWD-OFF-REV
FORWARD	ON	LOW	UP-DOWN	1-OFF-2
REVERSE	OFF	HIGH	OFF-ON	UP-OFF-DOWN
FAST	BACK	DOWN		
EMERGENCY STOP				



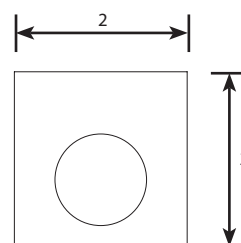
XNP



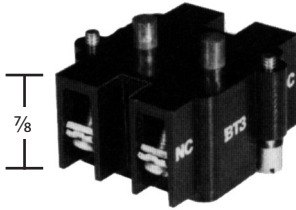
XNPL



XNPW_



XNPW X-L

CONTACT BLOCKS**600 Volts AC Maximum Contact Blocks
for Push Buttons & Selector Switches**

**Series BT
Contact Blocks
Extend 7/8"
beyond operator**

**Contact Blocks can
be stacked for
multiple circuits.
(max. four)**

SERIES BT				
CATALOG #	CONTACT BLOCK	PUSH BUTTON	SELECTOR SWITCH	WEIGHT (LBS.)
BT1A	One Open and One Closed	1 N.O. 1 N.C.	See Chart	1/10
BT1B	One Closed and One Open (this is BT1A block rotated 180 degrees when assembled to operator)	1 N.C. 1 N.O.		1/10
BT2	Two open	1 N.O. 1 N.O.	Specify Cam and Contact Block	1/10
BT3	Two closed	1 N.C. 1 N.C.		1/10
BT4	One open	1 N.O.		1/10
BT5	One closed	1 N.C.		1/10
BT44	Two open Two closed	1 N.C. 1 N.O. 1 N.O. 1 N.C.		1/10

CONTACT SEQUENCE CHART

Circuit of Contact Block	Contact Block Number		Cam 1 Contact Sequence	Cam 2 Contact Sequence	Cam 3 Contact Sequence	Cam 4 Contact Sequence	Cam 5 Contact Sequence	Cam 6 Contact Sequence
O = Contact Open X = Contact Closed								
Normally Closed (NC)	BT1A	Circuit A	X O	O X O	O X X	X O O	O X X	X O O
Normally Open (NO)		Circuit B	O X	O O X	O O X	O X O	X X O	O X O
Normally Closed (NC)	BT1B*	Circuit B	X O	X X O	X X O	X O X	O O X	O O X
Normally Open (NO)		Circuit A	O X	X O X	X O O	O X X	X O O	O O X
Normally Open (NO)	BT2	Circuit A	O X	X O X	X O O	O X X	X O O	O O X
Normally Open (NO)		Circuit B	O X	O O X	O O X	O X O	X X O	O X O
Normally Closed (NC)	BT3	Circuit A	X O	O X O	O X X	X O O	O X X	X O O
Normally Closed (NC)		Circuit B	X O	X X O	X X O	X O X	O O X	O O X

* This contact block is same as BT1A one N.C. and one N.O. except rotated 180° when assembled to operator.

MAX RATING: TYPE BT CONTACT BLOCKS

		AC				DC			
VOLTS		110	220	440	550	24/28	120	240	600
Make & Emergency Interrupting Capacity	A	60.	30.	15.	12.	5.7	1.1	0.5	0.2
Normal Load Break	A	6.	3.	1.5	1.2	5.7	1.1	0.5	0.2
Continuous Current	A	10.	10.	10.	10.	5.	10.	10.	10.5

MINIATURE OPERATORS

Miniature Operators

STANDARD FEATURES

- Reduce size of control enclosure requirements in hazardous environments.
- Mount on 1" centers vs. standard operators requiring 2 1/2" centers.
- No special enclosures required; can be installed in most Adalet standard explosionproof enclosures.
- 3/8"-16 UNC thread size body.
- Black anodized body, cap, button or knob
- Two lengths available: Long Series Accommodates up to 1 9/16" enclosure wall thickness. Short Series Accommodates up to 1 3/16" enclosure wall thickness
- Stainless steel actuator shaft.
- Optional red or green button (Push button Operator only)

PUSH BUTTONS

CAT # LONG BARREL	CAT # SHORT BARREL	CONTACT CONFIGS.	WEIGHT
XMOB-1	XMOBS-1	SPDT maintained	1 oz.
XMOB-2	XMOBS-2	SPDT momentary	1 oz.
XMOB-3*	XMOBS-3*	DPDT maintained	1 oz.
XMOB-4	XMOBS-4	DPDT momentary	1 oz.

* Not UL or CSA Approved

- Solid silver contacts rated 5 amps at 125 VAC, 3 amps at 250 VAC.
- Insulation resistance 1000 megohm minimum.
- Furnished with contact block having 8" wire leads, other lengths available.
- Optional red or green button (Push button Operator only)

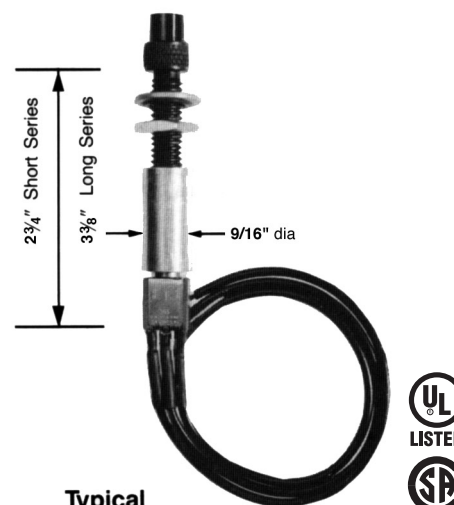
PUSH BUTTONS

CAT # LONG BARREL	CAT # SHORT BARREL	CONTACT CONFIGS.	WEIGHT
XMOS-1	XMOSS-1	Single Pole, 12 position	1 oz.
XMOS-2	XMOSS-2	Double Pole, 5 position	1 oz.
XMOS-3	XMOSS-3	Three Pole, 3 position	1 oz.

- Selector switches provided with internal adjustable stop.
- Silver contacts rated 150 m.a. at 30 VAC, NEC CL 2 circuit.
- Insulation resistance 10,000 megohms minimum.
- Furnished with contact block having solder type wire connectors.

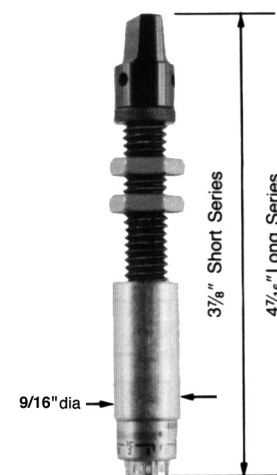
CERTIFICATIONS

Class I, Division 1, Groups B, C & D
Class II, Groups E, F & G
NEMA Type 4, 7 & 9



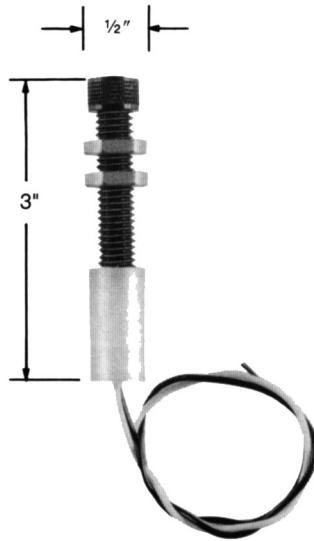
Typical
Push button Series

XMOB



Typical Selector
Switch Series

XMOS



Indicator LED Light

STANDARD FEATURES

- Up to 100,000 hours lamp life.
- Standard 12 VDC furnished. Optional 24 VDC, or 12, 24, 120 VAC available.
- Black anodized body and lens cap.
- $\frac{3}{8}$ " - 16 UNC thread size body.
- One length-accommodates up to 1 $\frac{5}{16}$ " enclosure wall thickness.
- Furnished with 8" flexible wire leads, other lengths available.

CERTIFICATIONS

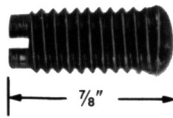
Class I, Division 1, Groups B, C & D
Class II, Groups E, F & G
NEMA Type 4, 7 & 9



SURFACE MOUNTING

Catalog #	Operator Description	Weight (lbs.)
XMOLR	Red Indicator Light	1 oz.
XMOLA	Amber Indicator Light	1 oz.
XMOLG	Green Indicator Light	1 oz.

Close Up Plugs For Unused Operator Openings



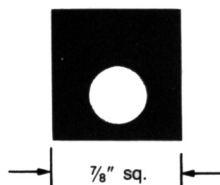
CLOSE UP PLUGS

CATALOG #	WEIGHT
XMPP	$\frac{1}{2}$ oz.

Legend Plates Standard Marking

LEDGEND PLATES

CATALOG #	DESCRIPTION	WEIGHT
XMNP	Specify legend	$\frac{1}{2}$ oz.



STANDARD MARKING

FOR PUSH BUTTON				FOR SELECTOR SWITCHES
(BLANK)	SLOW	RESET	START	RUN-JOG
OPEN	IN	INCH	CLOSE	HAND-AUTO
OUT	STOP	UP	LEFT	FWD-REV
RUN	JOG	RIGHT	FORWARD	FAST-SLOW
ON	LOW	REVERSE	OFF	OFF-ON
HIGH	FAST	BACK		OPEN-CLOSE
				UP-DOWN

ACCESSORIES

Flame Arrestor Fitting

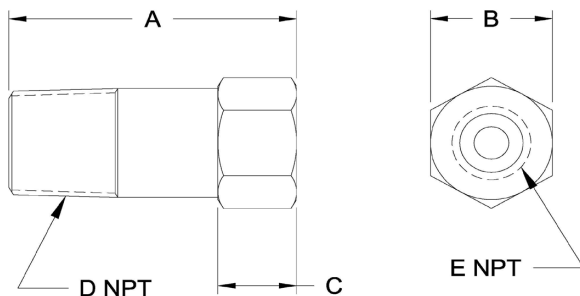
STANDARD FEATURES

- Provides thru-wall connections of tubing systems for electro/pneumatic and gas analysis devices installed within Adalet's explosionproof enclosures.
- The flame arrestor fitting is designed to prevent flame propagation thru tubing systems with minimum flow restrictions of control pressures.
- Manufactured from 316L stainless steel.

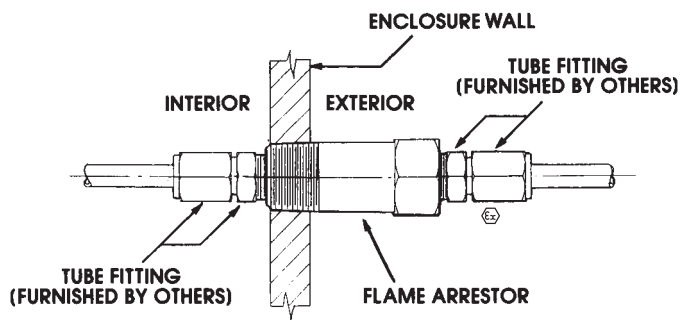
CATALOG NUMBER	A	B	C	D NPT	E NPT	WT. oz.	CONTROL RESTRICTIONS
XFA2	2 1/16	7/8	9/16	1/2-14	1/4-18	4	0.5 PSI drop at 20 CFH airflow 1.3 PSI drop at 34 CFH airflow
XFAX2	2 1/16	7/8	9/16	1/2-14	1/4-18	4	1 PSI drop at 18 CFH airflow 5 PSI drop at 53 CFH airflow



XFAX2



TYPICAL FIELD INSTALLATION



Exterior enclosure wall counter boring may be required to maintain 1/2" enclosure wall thickness for ease of field connections.

CERTIFICATIONS

XFA2

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

UL 1203
CSA C22.2 No. 30



XFAX2*

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

NEMA Type 7

CE 0539 Ex II 2 G

EEx d IIB

UL 1203
CSA C22.2 No. 30
ATEX DIRECTIVE 94/9/EC



*ATEX Application note: Maximum Enclosure Volume 41000 cm3 (2500 in3)

Combination Breather/Drains

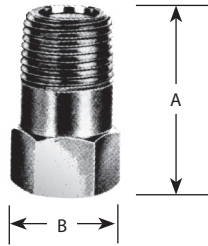
XDB Series

STANDARD FEATURES

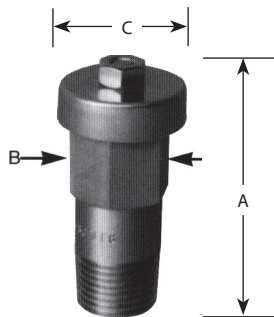
- Stainless steel combination breather drain. Install in top of enclosure as breather. Install in bottom of enclosure as drain.

NOMINAL DIMENSIONS [inches]

CATALOG #	THREAD	A	B
XDB2	1/2 NPT	1 5/8	7/8



XDB2



XDBH2

CERTIFICATIONS

Class I, Groups C & D
Class II, Groups E, F & G
Class III

UL Standard 1203
CSA Standard C22.2 No. 30



*ATEX APPLICATION NOTE: Maximum Enclosure Volume 41000 cm³ (2500 in³)

NOMINAL DIMENSIONS [inches]

CATALOG #	THREAD	A	B	C
XDBH2	1/2 NPT	1/2 NPT	3/8 HEX	1 1/4

CERTIFICATIONS

Class I, Groups A, B, C & D
Class II, Groups E, F & G
Class III

UL Standard 1203
CSA Standard C22.2 No. 30
ATEX EExd IIB DEMKO 00E.004127U
(when installed in XCEX & XJ_X enclosures)



Type Bd Series

STANDARD FEATURES

- Allows the air inside an 'Ex d' Flameproof or Class I, Div 1 enclosure to breathe with the surrounding atmosphere.
- Allows any moisture that enters the enclosure to drain while maintaining the overall integrity of the installation.

PART NUMBER BUILD **Bd** **20** **N** **NT**

THREAD DESIGNATION

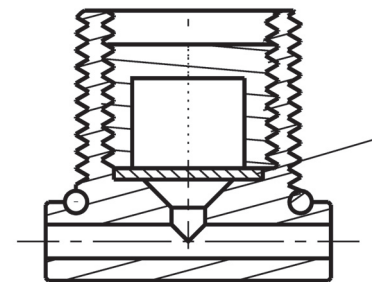
Metric	NPT	NPS	ISO	ISO	ET	PG
20	1/2	1/2S	1/2P	1/2T	3/4E	13
25	3/4	3/4S	3/4P	3/4T	1E	16P

O-RING

Nitrile (std.) - NT
Silicone - SC

MATERIAL

Nickel Plated Brass - N
316 Stainless Steel - S



Bd Series

CERTIFICATIONS

Class I, Div 1 Groups A, B, C & D
AExd IIC / AExe II Class I, Zone 1
Class III

II 2 GD Exd IIC/Exe II Category 2 & 3
CSA Standard C22.2 No. 30
461203

