

# AKRON



## AKRON ELECTRIC, INC.

*A division of the Akron Foundry Co.*

**Explosion-Proof Enclosures & Electrical Systems**



**Quality Products for Hazardous Locations**



Certificate Number 03.059.1

**ISO 9001 With Design**



## Company History

Akron Electric, Inc. is a division of the Akron Foundry Company, an aluminum foundry specializing in sand, permanent mold and low-pressure permanent mold castings. The foundry was started by George Ostich in 1950 and today employs over two hundred individuals. The foundry is a major supplier of breakaway transformer bases to the highway lighting industry both domestically and internationally.

Akron Foundry is a fully captive foundry servicing a multitude of industries that require aluminum castings. The growth of the company has brought in a third generation of family members to become very involved in the everyday business operations.

Akron Electric was started in 1982 and today operates as one of four production plants in the Akron Foundry organization. The company maintains a friendly and service-oriented work environment while conducting business with customers around the globe. Our lead times are extremely competitive to industry standards while maintaining products of highest quality.

We appreciate your interest in our company and look forward to hearing from you.

Sincerely,

*Akron Electric Management Team*



# Akron Electric, Inc.

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Note: The information in this catalog is subject to change at any time. All dimensions and drawings are for reference only. AKRON ELECTRIC is not responsible for any errors within this catalog. All data, images, drawings, dimensions, etc. were provided with the best information available at the time of the creation of this piece of literature and is being provided to the market in good faith.

Note: When "C/F" is referenced in this catalog, this indicates "Consult Factory."

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Published prices shown in Akron Electric catalogs and price sheets provide a price and catalog number guide for the selection and application of a specific product. Firm price quotations will be given in writing upon application to Akron Electric, Inc.. All quotations and acceptance of contracts /orders are subject to final approval by authorized personnel of Akron Electric, Inc.. The provisions of any contract between Akron Electric and the Purchaser shall be interpreted and construed in accordance with the laws of the State of Ohio. ALL QUOTATIONS VALID FOR (30) DAYS.

**MINIMUM CHARGE:** A minimum billing of \$100.00 plus shipping cost will apply to each single order.

**FREIGHT ALLOWANCE:** All shipments are F.O.B. Akron Electric factory or shipping point. Transportation is prepaid and allowed on each individual shipment exceeding \$ 3,000.00 net value (per single shipment) to a specific destination to any common carrier free delivery point in the contiguous U.S., via the carrier selected by Akron Electric to be the most economical and reliable. Shipments to Alaska, Hawaii, and to other destinations outside the contiguous United States, will be shipped to the nearest point of exit prepaid and allowed pursuant to Akron Electric's standard terms. **No freight allowed for orders under \$3,000.00 net.** All special shipping costs to be borne by the purchaser or third party.

**TAXES:** Published prices do not include sales, use, or any other applicable taxes. All applicable taxes shall be paid by the Purchaser.

**SPECIAL ORDERS:** Special items / modified cast enclosures not listed in our current catalog, modifications to Purchaser's specifications, and unusual quantities of standard catalog items made for a specific order are accepted on a NON-CANCELABLE and NON-RETURNABLE basis.

**WEIGHTS & DIMENSIONS:** Catalog weights and dimensions are calculated estimates only, no guarantee to exact weight or dimension is given. Please consult factory for detailed construction prints or verification of exact weight.

**PENALTIES & DELAYS:** In no event will Akron Electric be liable for any losses or damages whatsoever resulting from a delay in shipment or failure to manufacture or deliver. Akron Electric shall not be liable for any damages caused by delays beyond Akron Electric's reasonable control including, without limitations, fire, strike, act of the Purchaser, acts of war, acts of God, transportation failures or inability to obtain labor, materials, or manufacturing facilities. In the event of any such delay, the date of the delivery shall be extended for a period equal to the time loss by reason of the delay.

**DAMAGE & LOSS:** Akron Electric's products are packaged to be protected from damage during shipping. Upon pick-up by the carrier and his receipt for the merchandise, responsibility for the delivery intact to the destination rests with the carrier. All shipments should be inspected immediately upon receipt for visible or hidden damages. Claims for loss or damage should be made with the carrier immediately. Akron Electric will assist insofar as practical in securing satisfactory adjustments of claims, however, all claims for loss or damage must be made by the purchaser to the carrier.

**RESPONSIBILITY:** Akron Electric is not responsible for misuse or misapplication of its products, intentional or otherwise. Improper application, installation, or operation above the rated capacity are all beyond the control of Akron Electric.  
UNDER NO CIRCUMSTANCES SHALL AKRON ELECTRIC BE LIABLE FOR CONSEQUENTIAL OR CONTINGENT DAMAGES.

**RETURNED MATERIALS:** UNDER NO CIRCUMSTANCES SHALL MATERIAL BE RETURNED TO AKRON ELECTRIC WITHOUT A WRITTEN RETURN GOODS AUTHORIZATION. Material returned without authorization will be refused. Enclosures or product modified to customer specifications cannot be returned under any circumstances. Credit will be allowed on the returned goods on the following basis. Only unused items as currently manufactured which have been invoiced within one year will be considered. Restocking charges subject to manufacturer's discretion. All material must be returned in perfect condition. Any cost incurred by Akron Electric to restore product to perfect condition will be charged to the purchaser. ANY MODIFIED/ SPECIAL ENCLOSURES ARE NOT SUBJECT TO RETURN. Equipment must be packed to protect against damage and must be shipped prepaid. Transportation charges are borne by the Purchaser on all returned goods. If the return is the fault of Akron Electric, full credit will be allowed, and the approved standard transportation charges will be paid. CUSTOMER HAS 24 HOURS UPON RECEIPT OF ORDER TO VERIFY ACCURACY & CONTENTS OF ORDER. AFTER THIS TIME PERIOD, APPLICABLE FEES MAY APPLY FOR REWORK, ASSEMBLY, REPLACEMENT & RESTOCKING, ETC.

**WARRANTY:** Akron Electric warrants the equipment manufactured by it to be free from defects in material and workmanship under normal use and service, its obligation under this warranty being limited to replacing at its factory any product, part, or parts thereof which shall, within one year after delivery of such equipment to the original purchaser, be returned, and which Akron Electric's examination shall disclose to its satisfaction to have been thus defective. Except for the warranty hereinbefore stated AKRON ELECTRIC MAKES NO WARRANTY EXPRESSED OR IMPLIED; ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS HEREBY DISCLAIMED BY AKRON ELECTRIC AND EXCLUDED FROM ANY AGREEMENT MADE BY ACCEPTANCE OF ANY ORDER PURSUANT TO OUR QUOTATION. THERE ARE NO WARRANTIES, EITHER EXPRESSED OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACEHEREOF. Akron Electric neither assumes nor authorizes any person to assume for it any other liability in connection with the sale of its equipment. This warranty will not apply to any equipment which has been modified outside of its factory in any way so as, in Akron Electric's judgment, to affect its stability, or reliability, nor which has been subject to misuse, negligence, or accident or to improper operation or storage, or to other than normal use or service. Akron Electric shall not be held liable for damages, direct or consequential, or delays, if such occurs on account of defective materials, or workmanship, or delays in shipment. Akron Electric will not grant any allowance for any repairs or alterations made without the written consent of an officer of Akron Electric. Akron Electric will in no way be liable or responsible for injuries or damages to persons or property, arising from or out of use or operation of the equipment within described. Akron Electric reserves the right to make changes in design, or to make additions to, or improvements in, its product without imposing any obligations upon itself to install them on its products previously installed. Akron Electric may provide assistance in the form of recommendations, engineering or technical information and advice but such information is furnished only as an accommodation and Akron Electric shall have no liability for incomplete, faulty or inaccurate advice, recommendations or assistance, negligent or otherwise.

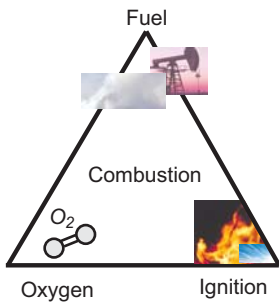
## Hazardous Location Classification

### Hazardous Locations



Hazardous Locations consist of areas where there is the potential for a fire or explosion due to electrical equipment that is in operation in this area with a reaction to flammable or ignitable gases, liquids, vapors, combustible dusts, fibers or flyings. The need for Explosion-Proof equipment then arises due to this potential for fire or explosion.

The National Electrical Code (NEC) along with the National Fire Protection Association (NFPA) and Underwriters Laboratories (UL) have published a guide along with codes that classify hazardous areas into classes, divisions and zones.



The “Combustion” or “Fire” Triangle is used to classify Hazardous Locations in the Explosion-Proof industry. A source of fuel (explosive gases, liquids, or vapors), source of ignition (fire, spark, or explosion) and oxygen must be present in the appropriate consistencies for an explosion to occur. Our Explosion-Proof Enclosures & Systems operate to prevent these three criteria from mixing in such a way that would generate an explosion and be hazardous to the surrounding environment.

### CLASS I

**Class I** locations consist of areas where **gases, vapors or liquids** may exist that have the potential to become flammable or ignitable. There are two different divisions that exist in Class I, Division 1 and Division 2, along with three Zones; Zone 0, 1 & 2. Locations that would be considered to be Class I include Petroleum Refineries, Gasoline Storage Areas, Dry Cleaning Plants, Spray Finishing Areas, Fuel Servicing Areas, etc.

**Division 1** is a subset of Class I and is classified as an area where the explosive or flammable gases, vapors or liquids mentioned above can exist under normal, everyday operating conditions.

**Division 2** is also a subset of Class I and is classified as an area where the explosive or flammable gases, vapors or liquids mentioned above are not likely to exist during regular operation.

**Zone 0** is described as the presence of explosive or flammable gases, vapors or liquids for long periods of time during operating conditions or during a large portion of the operating conditions.

**Zone 1** is described as the presence of explosive or flammable gases, vapors or liquids for some of the time during normal operating conditions.

**Zone 2** is described as there not being a likelihood of explosive or flammable gases, vapors or liquids present during normal operating conditions.



## Hazardous Location Classification

### CLASS II

**Class II** locations consist of locations where **combustible dusts** may exist that have the potential to become flammable or ignitable. Locations that would be considered to be Class II include Grain elevators, Flour and feed mills, Metal powder manufacturers, and Coal plants, etc.

**Division 1** is a subset of Class II and is classified as an area where the explosive or flammable combustible dusts mentioned above can exist under normal, everyday operating conditions.

**Division 2** is also a subset of Class II and is classified as an area where the explosive or flammable combustible dusts mentioned above are not likely to exist during regular operation.

### CLASS III

**Class III** locations consist of locations where **fibers and flyings** may exist that have the potential to become flammable or ignitable. Locations that would be considered to be Class III include Cotton Gins, Cotton Seed Mills, Sawdust or flyings plants, or Textile mills.

**Division 1** is a subset of Class III and is classified as an area where ignitable fibers or flyings may be manufactured, stored or handled.

**Division 2** is also a subset of Class III and is classified as an area where ignitable fibers or flyings may be stored or handled.

### NEMA & NEC ENCLOSURE TYPES

**TYPE 3** - Type 3 enclosures are intended for outdoor use primarily to provide a degree of protection against windblown dust, rain, sleet and external ice formation.

**TYPE 3R** - Type 3R enclosures are intended for outdoor use primarily to provide a degree of protection against falling rain and external ice formations

**TYPE 4** - Type 4 enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against windblown rain, dust, splashing water, hose directed water, and external ice formation

**TYPE 4X** - Type 4X enclosures are intended for indoor and outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose directed water and external ice formation.



# Akron Electric, Inc.

Manufacturers of Explosion-Proof Enclosures & Electrical Systems

## Hazardous Location Classification

### NEMA & NEC ENCLOSURE TYPES

**TYPE 7** - Type 7 enclosures are for use indoors in locations classified Class I, Div. 1 & 2, Groups A, B, C & D, as defined in the National Electric Code.

**TYPE 4/7** - Type 4/7 enclosures are for use outdoors in locations classified to be hazardous as defined in the National Electric Code.

**TYPE 9** - Type 9 enclosures are for use in indoor locations classified Class II, groups E, F or G as defined in the National Electric Code.

### CLASSIFICATION OF HAZARDOUS ATMOSPHERES

Class I, Division 1 & 2	Typical Atmosphere	Ignition Temp. (C)	Class I, Division 1 & 2	Typical Atmosphere	Ignition Temp. (C)
GROUP A	Acetylene	305	GROUP D	Ethyl Acetate	427
B	Butadiene	420		Ethylene dichloride	413
	Ethylene Oxide	429		Gasoline	280,536
	Hydrogen	520		Heptane	204
	-Mfg. gases containing more than 30% hydrogen (by volume)			Hexane	225
	Propylene Oxide	449		Isoamyl Alcohol	350
C	Acetaldehyde	175		Isoprene	220
	Cyclopropane	503		Methane	630
	Diethyl Ether	160		Methanol	385
	Ethylene	450		Methyl Ethyl Ketone	404
	- Unsymmetrical Dimethyl			Methyl Isobutyl Keytone	440
	Hydrazine (UDMH)	249		2 - Methyl - 1 Propanol	416
D	Acetone	465		2 - Methyl - 2 Propanol	478
	Acrylonitrile	481		Petroleum Naphtha	288
	Ammonia	498		Octane	206
	Benzene	498		Pentane	243
	Butane	288		1 - Pentanol	300
	1 - Butanol	343		Propane	450
	2 - Butanol	405		1 - Propanol	413
	N - Butyl Acetate	421		2 - Propanol	399
	Ethane	472		Vinyl Acetate	402
	Ethanol	363		Vinyl Chloride	472
				Xylenes	464-529



## Hazardous Location Classification

### NEC ENCLOSURE CLASSIFICATIONS

**Explosion-Proof Enclosure:** An enclosure which can withstand the pressures resulting from an internal explosion of specified gases, and contain such an explosion sufficiently to prevent the ignition of the explosive atmosphere surrounding the enclosure (for Class I, II and III).

**Oil Immersion:** The electrical apparatus are arranged such that the arcing contacts, connections, etc., are immersed in oil. Arcing is confined under the oil such that it will not ignite an explosive mixture of specified gases above the oil or in the atmosphere surrounding the enclosure (for Class I, II and III).

**Purged & Pressurized Enclosures:** The accumulation of ignitable gases or vapors in the enclosure is prevented by maintaining, inside the enclosure, sufficient flow of clean air or inert gas (for Class I, II and III).

**Intrinsically Safe Equipment:** Wiring that is incapable of releasing sufficient electrical or thermal energy, under normal and abnormal conditions, to cause ignition of a specific hazardous atmospheric mixture in its most easily ignitable concentration (for Class I, II and III).

**Dust Ignition-Proof:** The enclosure prevents the entrance of dust, and external surfaces shall not reach temperatures capable of igniting or discoloring dust on the enclosure or igniting dust-air mixtures in the surrounding atmospheres (for Class II).

### ATEX ENCLOSURE CLASSIFICATIONS

**Type “d” (Exd):** Explosionproof/Flameproof Enclosure. An enclosure that can withstand the pressure developed during an internal explosion of specified gases and which prevents the transmission of the explosion to the explosive atmosphere surrounding the enclosure (for Zones 1 and 2).

**Type “o” (Exo):** Oil immersion. The electrical apparatus is immersed in oil in such a way that an explosive atmosphere, which may be above the oil or outside the enclosure cannot be ignited (for Zone 1).

**Type “p” (Exp):** Pressurized enclosure. The entry of a surrounding atmosphere into the enclosure is prevented by maintaining inside the enclosure a protective gas at a higher pressure than that of the surrounding atmosphere (for Zones 1 and 2).

**Type “i” (Exi):** Intrinsically Safe Systems are incapable of releasing sufficient electrical or thermal energy under normal or abnormal conditions to cause and ignition of a given explosive atmosphere (for all Zones, 0, 1 and 2).

**Type “e” (Exe):** Increased Safety. Measures are taken to prevent, with a minor degree of security, the possibility of excessive temperatures and the occurrence of arcs or sparks in the interior and on the external parts of the electrical apparatus which do not occur in normal service (for Zones 1 and 2).

**Type “q” (Exq):** Powder filled. The enclosure is filled with finely granulated material such that, in the intended service conditions, any arc occurring within the enclosure of an electrical apparatus will not ignite the surrounding atmosphere. No ignition shall be caused by flame or excessive temperature of the surfaces of the enclosure (for Zone 1).

**Type “N” (Exn):** Not CENELEC recognized. Measures are applied to the electrical apparatus such that, in normal operation, it is not capable of igniting a surrounding explosive atmosphere and a fault capable of causing ignition is not likely to occur (for Zone 2).











# Akron Electric, Inc.

Manufacturers of Explosion-Proof Enclosures & Electrical Systems









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## Akron CERTIFICATIONS

### Akron Electric Certificate Numbers

	AXJ	CXJ	AXJ-FCS CXJ-FCS	XJIH	XM+XP Operators
					E203605 E139669 (PTT)
	Standard C22.2 - No. 30-M1986 and No. 25-1966	Standard C22.2 - No. 30-M1986 and No. 25-1966	Standard C22.2 - No. 30-M1986 and No. 25-1966		
	Standard 886				
	Standard 1203, UL-14600 With viewing window: UL-E94590	Standard 1203, UL-14600 With viewing window: UL-E139669	Standard 1203, UL-14600 With viewing window: UL-E139669	Standard 1203 File No. E139669	
	Standard C22.2 - No. LR64264	Standard C22.2 - No. LR86146		Standard C22.2 - 30M1984	LR86146
	II 2 G Ex d IIB + H2 and / or II 2 D IIB + H2 IP 66 (With NEMA 4 O-ring)	II 2 G Ex d IIB + H2 and / or II 2 D IIB + H2 IP 66 (With NEMA 4 O-ring)		II 2 G EEx d IIC IP 66 II 2 D IIC*	II 2 G Ex d IIB + H2 and II 2 D IIB + H2 IP 66 (If installed in IP 66 Enclosure)
	Exd IIB + H2, EN 60079-0, -1, EN 60529	Exd IIB + H2, IP66 II2d Tamb EN 60079-0, -1 & EN 60529			DEMKO 06 ATEX 0605697U EN 60079-0:2004+ prAA:2005 EN 60079-1:2004 EN 50281-1-1: 1998 incl.A1:2002
				Class No. 3615	

### EXI/AXI/CXI/ CXP      XJATS/XJATG XJCTS/XJCTG      PANEL BOARDS      CIRCUIT BREAKERS      MOTOR STARTERS      AXC

					Standard 886 - E94590
	Standard C22.2 - No. 30-M1986 and No. 25-1966	Standard C22.2 - No. 30-M1986 and No. 25-1966	Standard C22.2 - No. 30-M1986 and No. 25-1966		Standard 886 - E94590
	Standard 886 - E94590	Standard 886			
			Standard 1203 UL-E139669	Classified as to Explosion & Fire Hazard Only. For use in: Class I, Groups B, C & D Class II, Groups E, F & G, Type 4X	Classified as to Explosion & Fire Hazard Only. For use in: Class I, Groups B, C & D Class II, Groups E, F & G, Type 4X
	Standard C22.2 - No. LR64264	Standard C22.2 - No. LR86146			
		II 2 G EEx d IIC IP 66 II 2 D IIC*		Available c/f	Available c/f
					II 2 G EEx d IIC IP 66
					

\* - Cert. pending - C/F



# AT<sub>Ex</sub> Classification

NEC 500	Class I, Division 1, Groups A, B, C, D & T6			
NEC 505	<b>Class I, Zone 1, AEx</b>	d	IIC	T6
IEC	<b>Ex</b>	d	IIC	T6
CENELEC	<b>Ex</b>	d	IIC	T6

Temperature Classes		
Maximum Surface Temperature	CA (CEC Sec. 18)	
	EU IEC US(NEC 505)	US(NEC500) CA(CEC Annex J)
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

Explosion Groups According to CENELEC, IEC, NEC 505	
Explosion Group	Typical Gas
II A	Propane
II B	Ethylene
II B + H2	Hydrogen
II C	Acetylene

TYPES OF PROTECTION			
Type of Protection	Permitted Use	Standard	Protection Application
Explosion-Proof	Class I, Div. 1 & 2	FM3615 CSA C22.2 No. 30 UL 1203	Contain the Explosion and extinguish the flame
Flameproof	Class I, Zone 1	EN 60079-1	

## AKRON ELECTRIC ATEX CERTIFICATE CLASSIFICATIONS

**NOTE:** For each product series, please add “-CEN” to the end of the part number to designate CENELEC/ATEX where applicable. This is an option - SPECIFY when required.

**AXJ ATEX Series**

⊕ II 2 G Ex d IIB + H2 and ⊕ II 2 D IIB + H2  
-55 to + 100 C; IP 66 Rating with NEMA 4 0-Ring

**CXJ ATEX Series**

⊕ II 2 G Ex d IIB + H2 and ⊕ II 2 D Ex d IIB + H2  
-55 to + 100 C; IP 66 Rating with NEMA 4 0-Ring

**XJIH Instrument Housings, XJ Junction / Meter Boxes ATEX Series**

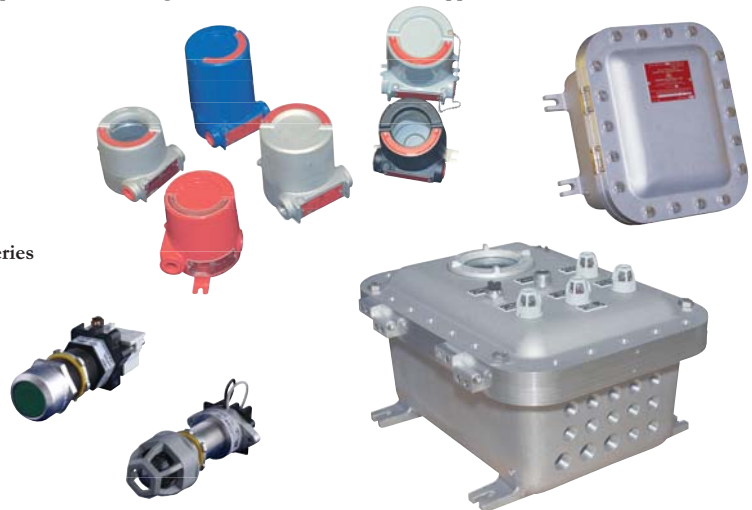
⊕ II 2 G EEx d IIC and ⊕ II 2 D IIC\* (Pending)  
-20 to + 40 C; IP 66 Rating

**AXC ATEX Series**

⊕ II 2 G EEx d IIC  
-20 to + 40 C; IP 66 Rating

**XM & XP Operator ATEX Series**

⊕ II 2 G Ex d IIB + H2 and ⊕ II 2 D IIB + H2  
-55 to + 100 C; IP66 Rating if installed in IP 66 Enclosure



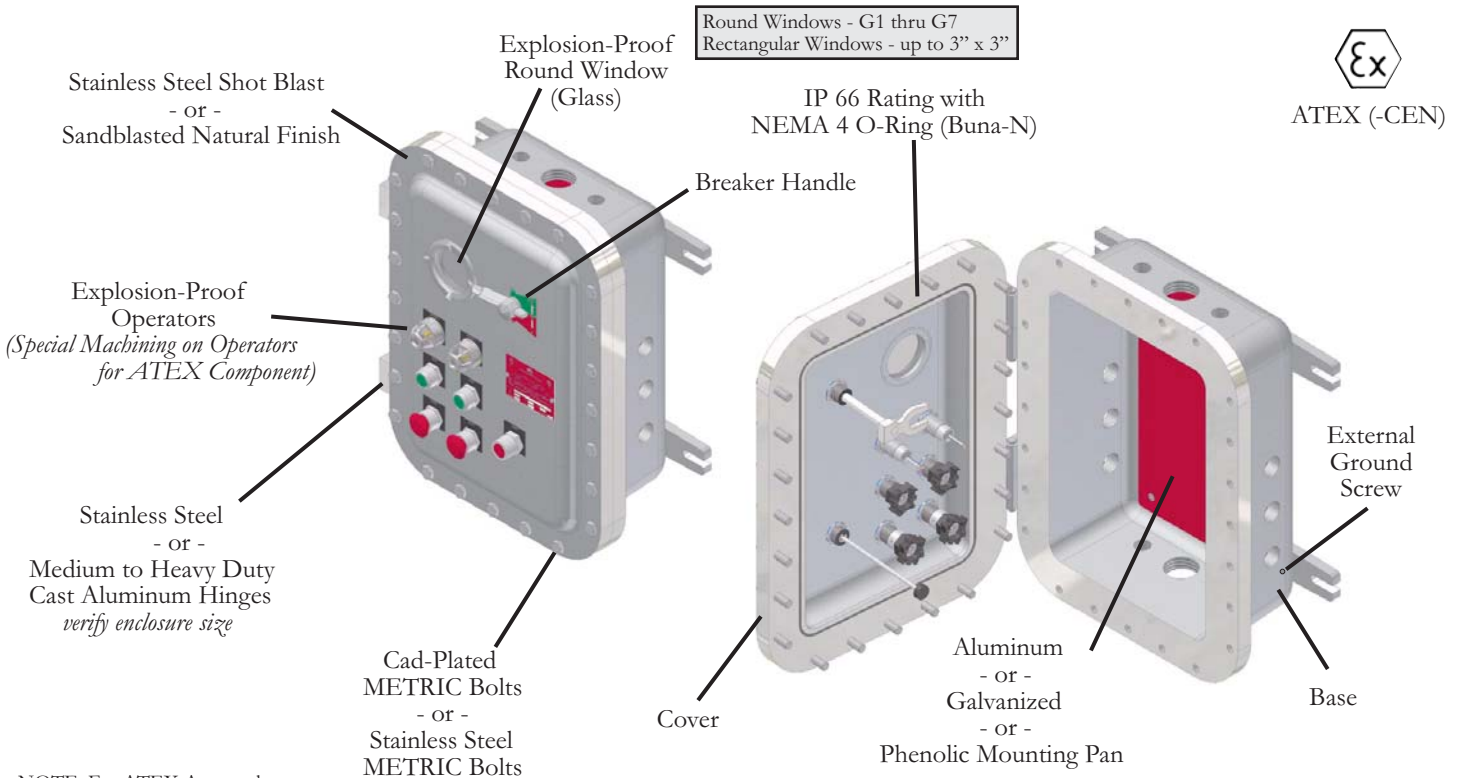
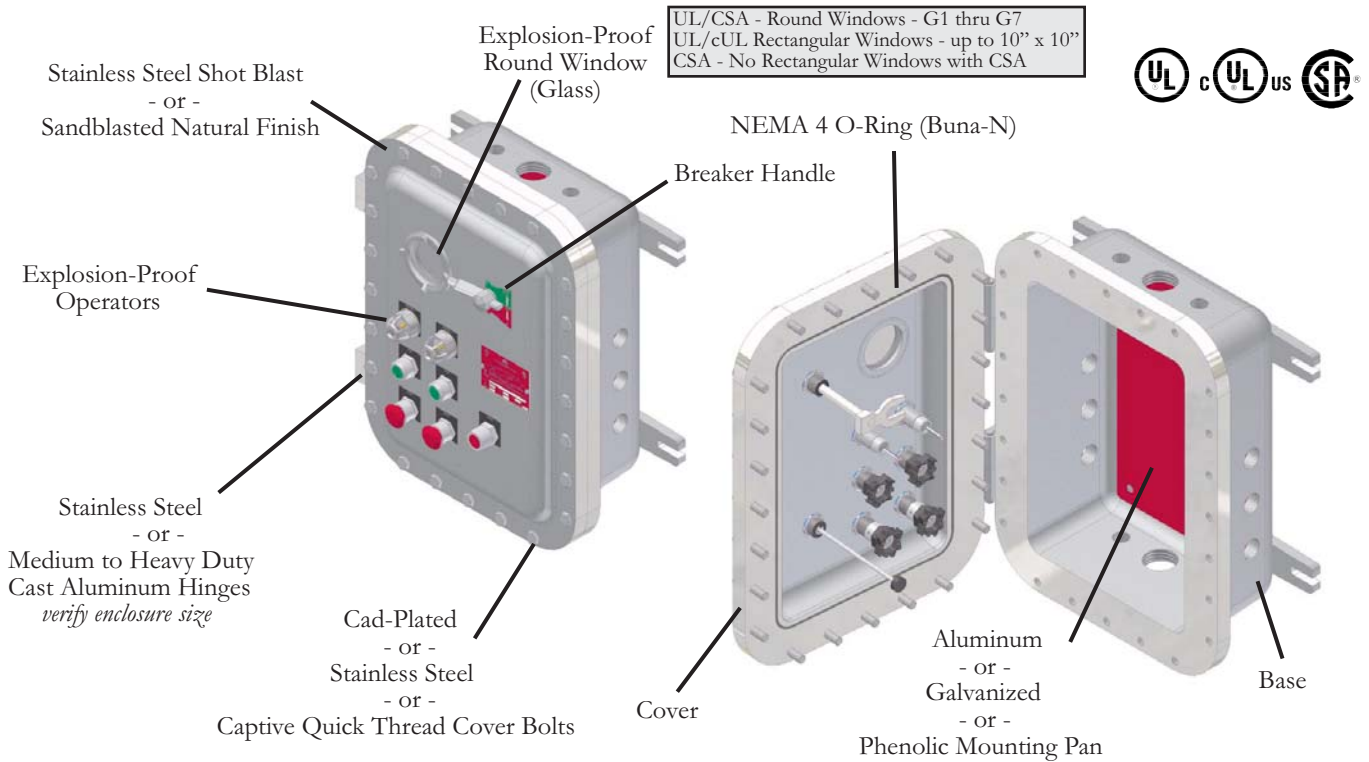


# Akron Electric, Inc.

Manufacturers of Explosion-Proof Enclosures & Electrical Systems

## Akron Comparison of CXJ Enclosure Design Features by Certification

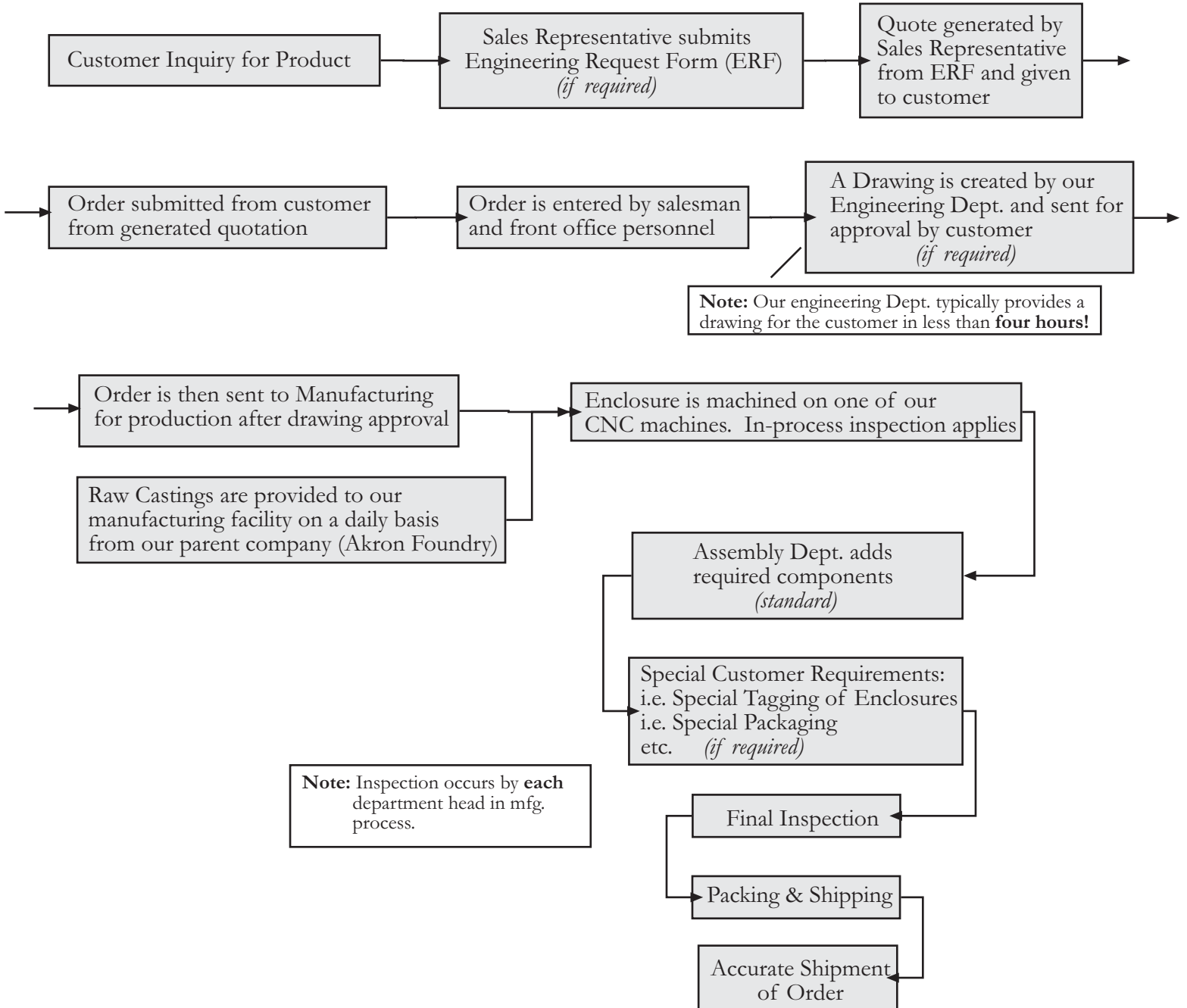
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NOTE: For ATEX Approval,  
All Machining must be done at factory.



# Akron PROCEDURAL FLOWCHART for Quotes & Orders



**Note: CUSTOMER HAS 24 HOURS UPON RECEIPT OF ORDER TO VERIFY ACCURACY & CONTENTS OF ORDER. AFTER THIS TIME PERIOD, APPLICABLE FEES MAY APPLY FOR REWORK, ASSEMBLY, REPLACEMENT & RESTOCKING, ETC.**

# Akron Electric, Inc.

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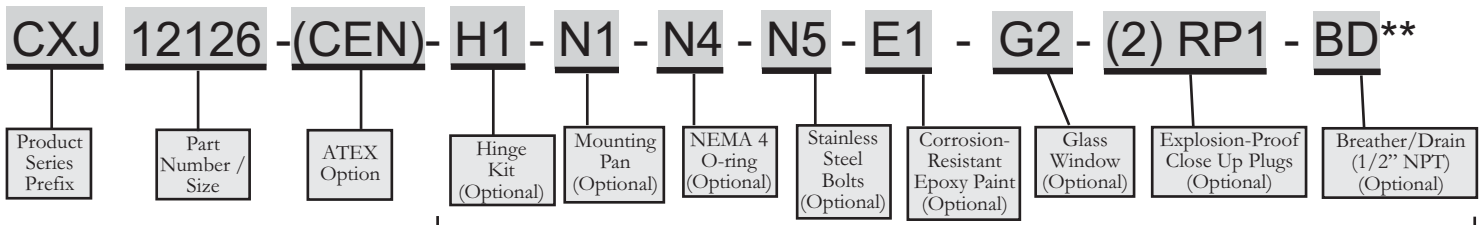
## Akron EASY CATALOG ORDERING INFORMATION

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This page is to explain how to order AKRON products in a comprehensive way that is easy for both the customer and the manufacturer. The **Product Series Prefix** is placed at the beginning of the part number followed by the **size of the enclosure**. The **Product Series Prefix** is the prefix given in each catalog section that precedes the rest of the number. Examples include: **AXJ, CXJ, EXI, AXI, CXI, XJATS, XJCTS, XJATG, XJCTG, XJATD & XJCTD**. “-CEN” will follow the enclosure size for optional ATEX / CENELEC rating.

Any additional adders will follow the Product Series Prefix including: **Hinges, Mounting Pan, NEMA 4 O-Ring, Stainless Steel Bolts, Name Plates, Captive Quick Thread Bolts, Corrosion-Resistant Epoxy Coating, Glass Windows, Breather Drains & Explosion-Proof Close Up Plugs**. (For a full list of adders that would follow the Product Series Prefix on the main product line, please see Table III in the CXJ section - Standard Modifications). All other items not listed in Table III - conduit entries (holes), operators, motor starters, disconnects, circuit breakers, etc. will be listed below the actual part number with quantities in parentheses as displayed below. Circuit Breakers, Disconnects, Motor Starters, Operators, & Panel Boards have their own nomenclatures; please refer to those specific sections in the catalog for building those part numbers.

### Junction Box / Control Station Nomenclature



Typical Modifications

Typical Optional Adders\*

- (1) 1/2" NPT ————— 1/2" NPT used for conduit entry (Please see Conduit Page for additional information)
- (1) XPLSB-120R ————— PILOT LIGHT-RED LED-120V- SHORT BARREL PIGTAIL
- (1) XRBS ————— RESET BUTTON-SHORT BARREL
- (2) 3/4" NPSM ————— Each Operator gets a "3/4 NPSM" (One for XPLSB-120R, One for XRBS)

\* Note: See Adder Page for additional "Optional Adders"

\*\* Note: For Breather & Drain, please write " - 2BD"



# Akron Electric, Inc.

Manufacturers of Explosion-Proof Enclosures & Electrical Systems

## Akron ACCESSORIES / REPLACEMENT PARTS

### EXPLOSION-PROOF CLOSE UP PLUGS

Code	Description
RP1	1/2" NPT Close Up
RP2	3/4" NPT
RP3	1" NPT
RP4	1-1/4" NPT
RP5	1-1/2" NPT
RP6	2" NPT
RP7	2-1/2" NPT
RP8	3" NPT
RP9	3-1/2" NPT
RP10	4" NPT
R3	3/4" NPSM

### EXPLOSION-PROOF PILOT LIGHT REPLACEMENT BULBS

COLOR OF LED LAMP	VOLTAGE (VAC/DC)	REPLACEMENT P/N
AMBER	12	XPLB12A
BLUE	12	XPLB12B
GREEN	12	XPLB12G
RED	12	XPLB12R
WHITE	12	XPLB12W
AMBER	24	XPLB24A
BLUE	24	XPLB24B
GREEN	24	XPLB24G
RED	24	XPLB24R
WHITE	24	XPLB24W
AMBER	48	XPLB48A
BLUE	48	XPLB48B
GREEN	48	XPLB48G
RED	48	XPLB48R
WHITE	48	XPLB48W
AMBER	120	XPLB120A
BLUE	120	XPLB120B
GREEN	120	XPLB120G
RED	120	XPLB120R
WHITE	120	XPLB120W
AMBER	240	XPLB240A
BLUE	240	XPLB240B
GREEN	240	XPLB240G
RED	240	XPLB240R
WHITE	240	XPLB240W

### EXPLOSION-PROOF CONTACT BLOCKS

Code	Description	Cutler-Hammer	Akron Electric
Blank	No Contacts	Part Number	Part Number
A	1 N.O.	10250T53	2003ABB
B	1 N.C.	10250T51	2003AAB
2A	2 N.O.	10250T2	2003AEB
2B	2 N.C.	10250T3	2003ADB
C	1 N.O. / 1 N.C.	10250T1	2003ACB
*D	2 N.O. / 2 N.C.	(2) 10250T1	(2) 2003ACB
E	1 N.C.L.B.	10250T71	2003AGB
2E	2 N.C.L.B.	10250T45	2003AHB
*G	1 N.O. / 1 N.C.L.B.	(C.B. A + E)	2003AMB
*H	1 N.C. / 1 N.C.L.B.	(C.B. B + E)	2003ANB
*J	3 N.O. / 3 N.C.	(3) 10250T1	(3) 2003ACB
*K	4 N.O. / 4 N.C.	(4) 10250T1	(4) 2003ACB
L	N.O.E.M.-N.C.	10250T47	2003AJB
M	N.O.E.M.-N.O.	10250T57	2003AKB
N	N.C.L.B.-N.O.E.M.	10250T55	2003ALB
P	2 N.O. / 2 N.C. (300V)	10250T44	2003AFB

\*Denotes multiple block configuration

### EXPLOSION-PROOF MINI PILOT DEVICE ACCESSORIES

Part Number	Description
2127AAB	Mini Push Button Guard
2114AAB	Mini P.B. S.S. Reducer Bushing (3/4" NPT to 3/8-16 UNC)

### OPERATOR LEGEND PLATES

Mini Legend Plate	MN6
Standard Legend Plate	N6
Phenolic Legend Plate	N7
Custom Legend Plate	N8

BREATHER / DRAIN	BD
BREATHER & DRAIN	2BD

### EXPLOSION-PROOF PUSH BUTTON PROTECTIVE BOOTS

Part Number	Description
XPB-B	Black Boot w/guard
XPB-G	Green Boot w/guard
XPB-R	Red Boot w/guard
XPB-BU	Blue Boot w/guard
XPB-Y	Yellow Boot w/guard

### EXPLOSION-PROOF SELECTOR SWITCH REPLACEMENT KEYS

Part Number	Description
AE1	Replacement Key - A.E. #1
AE2	Replacement Key - A.E. #2
AE3	Replacement Key - A.E. #3

### EXPLOSION-PROOF PILOT LIGHT ACCESSORIES

Part Number	Description
2294AAB	Pilot Light Lens Guard Assembly -(Pilot Light)
2295AAB	Pilot Light Lens Guard Assembly - (Push-to-test)
2147AAB	Push-to-Test Aluminum Guard
1989ABB	Jumbo Mushroom Head - Engraved "Emergency Stop"
1989AAB	Jumbo Mushroom Head - No Engraving
1985AAB	Standard Mushroom Head - Red
1985ABB	Standard Mushroom Head - Green

### EXPLOSION-PROOF PILOT DEVICE LOCKING MECHANISMS

Part Number	Description
2296AAB	Stainless Steel Padlock for Push Buttons (Extended)
2297AAB	Plastic PadLock for Push Buttons (Flush or Push-Pull Series)
XPP-SSGRD	Stainless Steel Lockout for Push Pull Series

Finger Safe Optional Adder (Pilot Lights & Push Buttons) "-FS"

# Akron Electric, Inc.

Manufacturers of Explosion-Proof Enclosures & Electrical Systems

## *Akron* CORROSION-RESISTANT EPOXY COATING & ENCLOSURE FINISHES

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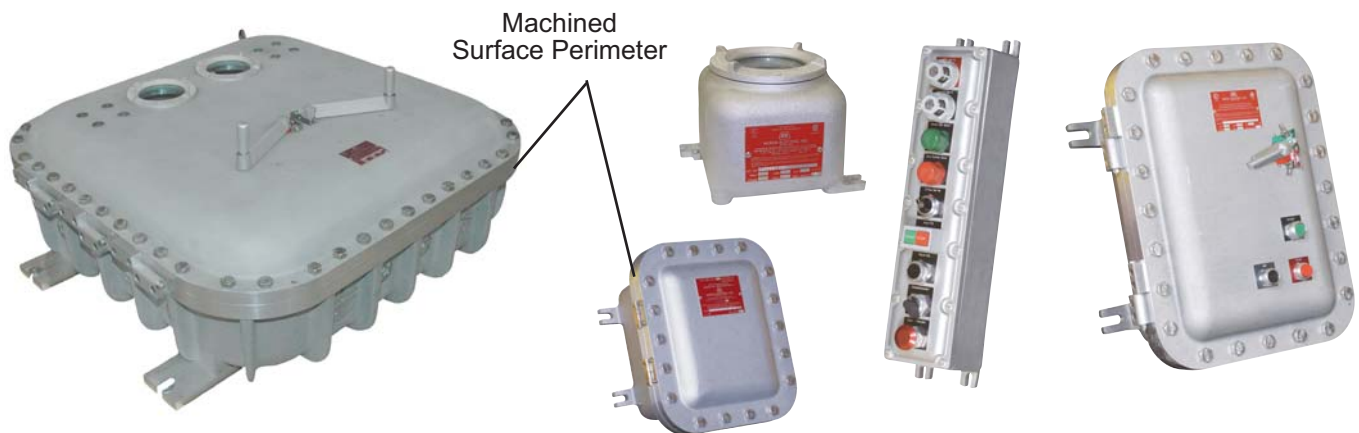
### Corrosion-Resistant Epoxy Coatings

Akron Electric offers Corrosion-Resistant Epoxy Coating for its entire casting product series as an optional adder. Please let the factory know if you desire to have your product epoxy-coated. The proper suffix for epoxy coating is "E1" at the end of the product number. "E1" denotes epoxy coating on the outside of the casting, and "E2" is epoxy coating on the inside and outside of the enclosure. The standard color for epoxy coating is GRAY, but we can also provide: BLACK, BLUE, GREEN, RED, WHITE & YELLOW. (C/F for Special Requirements).  
\*GR, EYS & TU Series come with standard Gray Powder Coat Finish.



### Standard Finishes for AKRON Enclosures

Akron Electric provides enclosures with high-quality finishes that make our enclosures extremely attractive in the market place. The typical finishes that our enclosures have include a Stainless Steel Shot Blast Finish, or a Sandblasted finish.  
(Consult Factory for Special Requirements).



Sandblast Finish

Wheelabrute Finish