





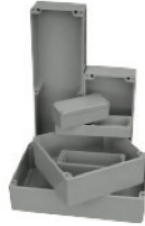
# PRODUCT LINE CARD

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## ZP, SX, ZAP Series

-   • **ZP**-Glass Reinforced Polyester  
UL/FM/CSA/ Class 1, Division 2 NEMA 1, 4X, 12 ( -65C to 120C)  
ATEX/IECEx/TR-CU Zone 1, 2; Zone 21,22 (IP 65)
-  • **SX**-316 Stainless Steel or Mild Steel
-  • **ZAG**-Aluminum Diecast  
UL/FM Class 1, Division 2, NEMA 4X, 12, SS(-50C to 175C)  
ATEX, CSA,TR CU, Inmetro & IECEx Zone 0, 1 & 2;  
Zone 20, 21 & 22 IP68

## Terminal Boxes, Non-Metallic, Stainless Steel, Aluminum







## ABCS & SXCS

-   • UL Class 1, Division 2, NEMA 4X, 12, GRP (-40C to +55C)  
SS (-50C to 175C)
-  • ATEX, CSA,TR CU, Inmetro & IECEx Zone 1 & 2; Zone 20, 21 & 22 IP 67
-  • 4 pole Control Stations available
- Available with Emergency Stops, Push Buttons, Key Release, Mushroom Heads
  - Indicator lights, illuminated push buttons, Selector Switches, Ammeters

## Control Stations/Panels







## BPG Fire Resistant Enclosures

-   • Glass Reinforced Polyester (GRP)
-  • UL Class 1, Division 2, NEMA 4X, GRP
-  • ATEX, CSA,TR CU, Inmetro & IECEx Zone 1 & 2; Zone 20, 21 & 22 IP 67
- Passes IEC 331/1970 Fire safety control requirements of 3 hours at 1742 degrees F.
- Emergency lighting and safety critical systems applications controls and terminal boxes.

## Fire Resistant Enclosures







## Medium & High Voltage Enclosures

-   • **MJB**- Series up to 4 Phase connection to 8.3kV
-  • **ABJB & HVJB**- Up to 4 Phase connections to 15kV
-  • **TFJB**- Up to 3 Phase connections to 36kV
- **4TJB & 125**- Up to 3 Phase connections to 45kV
- UL/FM Class 1, Division 2, NEMA 4X, 316 Stainless Steel Bussbar Box up to 3,200 amps ATEX, CSA, TR CU, Inmetro & IECEx Zone 1&2, Exe BS En-60079-7
- Temperature ratings -58F to 1490F

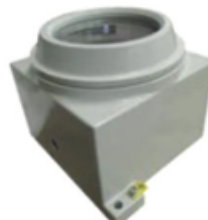
## Medium & High Voltage Enclosures



## Explosion/Flameproof Enclosures

-   • UL/FM Class 1, Division 2, NEMA 4X & IP 67, 316 Cast Aluminum & Stainless Steel
-  • ATEX, CSA,TR CU, Inmetro & IECEx Zone 1 & 2, Exe BS-60079-7
-  • Temperature ratings EJB series -20C to +60C, GUB series -20C to +80C IP 68
- Drilling options available, gland plates can be fitted to any or all four sides
- Windows available in round or square for EJB or round for GUB Series

## Explosion/Flame Proof Enclosures



## Motor Starters/Distribution Panels

- UL/FM Class 1, Division 2, NEMA 4X & IP 67, 316 Cast Aluminum & Stainless Steel
- ATEX, CSA, TR CU, Inmetro & IECEx Zone 1 & 2, Exe BS-60079-7
- Temperature ratings EJB series -20C to +60C, GUB series -20C to +80C IP 68
- Drilling options available, gland plates can be fitted to any or all four sides
- Manual, Across the Line, Combination, and reversing options are available.

## Purged and Pressurized

- Full line of **Z, Y, and X** Purge controllers and indicators
- Ability to provide completely turnkey tested and certified system solutions
- UL/FM Class 1, Division 1 & Division 2 Pending, NEMA 4X & IP 67, 316 Cast Aluminum & Stainless Steel
- ATEX, CSA, TR CU, Inmetro & IECEx Zone 1 & 2

## Panel Mount Air Conditioners

- Size ranges from 2000 BTU thru 20,000 BTU with 115v, 230v, 460v options
- Fully programmable digital controller with temp and pressure monitor
- UL/FM Class 1, Division 2, Groups A, B, C, D NEMA 12, 4, 4X
- Available in painted Carbon Steel or 316 Stainless Steel
- Five Year Warranty on all units standard

## Temporary Power

- UL/FM Class 1, Division 2, NEMA 4X & IP 67, 316 Cast Aluminum & Stainless Steel
- Full compliment of custom temporary power solutions for hazardous or non-hazardous areas
- Power distribution cubes, master, and slave units provide comprehensive and safe solutions
- Ideal for plant shut downs and turnarounds
- All products made in Houston, Texas

## Switch Rated Plug & Receptacles/Multi-pin Connectors

- UL/FM Class 1, Division 2, NEMA 4X & IP 67, Poly Carbonate or Metal Casings
- ATEX, CSA, & IECEx Zone 1 & Class 2, Zone 2 Groups A, B, C, D, E, F, G
- Available from 10 amps thru 600 amps, from 250Vdc to 750Vac.
- .75-100 horse power ratings (AC only)
- Great for motors & pumps applications, meets NFPA 70 Arc Flash requirements
- Eliminates the need for a line of sight disconnect, and saves on labor time.

## Surge Protection

- UL 1449 3rd addition Class 1, Division 2, NEMA 4X & IP 67
- ATEX, SCA, & IECEx Class 1, Zone 1 & Class 2, Zone 2 Groups A, B, C, D, E, F, G
- Full ranged of Surge Protection Devices (SPD) from 80ka thru 240ka
- Industrial, institutional, and commercial covering all types of electrical equipment.
- 10 to 15 year no questions asked replacement warranty on all products

## Motor Starters/Distribution Panels



## Purged and Pressurized



## Panel Mount Air Conditioners



## Temporary Power



## Switch Rated Plug and Receptacles/Multi-Pin Connectors



## Surge Protection Devices





## Camera/CCTV Systems



- Most comprehensive range of Ex and safe area camera station & systems.
- Pan Tilt Zoom, Fixed Camera, Dome & Thermal & Dual Imaging available
- Up to 37 times optical zoom, 260mm, 400mm, 600mm with HD 1080p
- Globally certified North American Class, Division, Zone 0,1,2,22
- UL, ATEX, CSA, IECEx, Inmetro, TR CU, CCOE, & DNV certified.
- Ambient temperature ranges from -60C to +70C

## Camera/CCTV Systems



## Horns/Strobes/Beacons/Fire Alarm/Pull Stations



- Glass Reinforced Polyester (GRP) or Metal units available
- UL Class 1, Division 1 & 2, groups C, D, E, F
- ATEX, CSA, TR CU, Inmetro & IECEx Class 1 Zone 1 & 2, Zones 20, 21, 22, IP 67
- Voltages from 12-48Dc to 110-254Vac with Sil 1 Sil 2 ratings
- Ambient Temperature Certified from -55C to +70C
- Close-coupled and pre-wired with Xenon or 54,000 hours LED life

## Horns/Strobes/Beacons/Fire Alarm/Pull Stations



## Phones and Accessories



- Full range of explosion proof and hazardous area phones and accessories
- UL Class 1, Division 2, groups A, B, C, D NEMA 4x
- ATEX, CSA, TR CU, Inmetro & IECEx Class 1 Zone 1 & 2, IP 67
- Housing come in Glass Reinforced Polyester (GRP) or stainless steel
- Ambient Temperature Certified from -20C to +40C inside or outside applications
- Integrated display + telephone book, handsfree operations, steel handset & cords

## Phones and Accessories



## Cable Glands



- Full range of explosion proof & Hazardous area Non-Armored cable glands
- UL Class 1, Zone 1 & 2 AEXe, groups A,B,C,D NEMA 4X
- ATEX, CSA, TR CU, Inmetro & IECEx Class 1 Zone 1, 2, 21,22 IP 67
- Non-Armored Marine shipboard cable Type P, Tray cable TC, ITC, MV, PLTC, TC-ER-HI
- Armored for use with Steel wire SWA,SWB,STA,Braided Type P Marine

## Cable Glands/Non-Armored/Armored Glands



## Breather Drains, Adaptors, Reducers, Misc



- Full range of explosion proof EXd/ Increased Safety Exe brass or stainless fittings
- ETL Class 1, Division 2 Zone 1 & 2 AEXe, Groups A, B, C, D NEMA 4X
- ATEX, CSA, TR CU, Inmetro & IECEx Class 1 Zone 1, 2, 21,22 IP 67
- Material types: Brass, mild steel, 316L stainless steel, M16 thru M75 or NPT 1/2" thru 4"
- Ambient Temperature Certified from -60C to +180C

## Breather Drains/Adaptors/Reducers/Misc

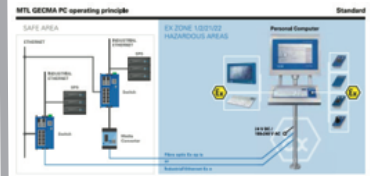


## Human Machine Interfaces



- Full HD 16:9 up to 24" HMIs from Remote Terminal, Thin Client, and Windows 10 PC versions
- UL Class 1, Division 2 Groups A,B,C,D NEMA 4X display sizes from 8.4" to 15"
- ATEX, CSA, TR CU, Inmetro & IECEx Class 1 Zone 1, 2, 21,22 IP 67 sizes display sizes from 15" to 24"
- Fiber optic or copper data transmissions with ambient temp ratings of -30C to +60C

## Human Machine Interface



## Intrinsically Safe Barrier & Isolators



- Full range of Zenner Barriers for all applications 7700 series
- Full range of Galvanic Isolators for all applications 4500 & 5500 series
- UL/FM Class 1, Division 2 Groups A, B, C, D NEMA 4X
- ATEX, CSA, IECEx, EAC, Inmetro & IECEx Class 1 Zone 1,2,21,22, IP 6

## Intrinsically Safe Barriers and Isolators



## Industrial Networking Solutions



- Full range of Power Over Ethernet (POE) industrial networking solutions
- 4-20mA, variety of serial communications including RS232, 422, and 485 with protocols.
- FM Class 1, Division 2 Groups A, B, C, D NEMA 4X
- ATEX, CSA, IECEx, EAC, Inmetro & IECEx Class 1 Zone 0, 1,2,21, 22, IP 66
- Hart multiplexers, Foundation Field Bus, Ethernet to Serial modules, Ethernet interface

## Industrial Networking Solutions

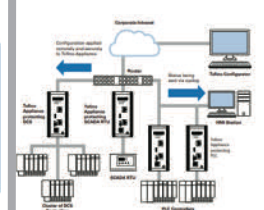
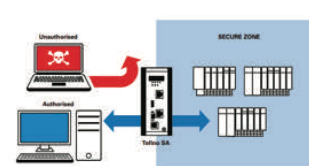


## Industrial Cyber Network Security Solutions



- Ghost Protocol Highest Network Security—No IP address can be seen once turned on
- Supports all industrial firewall protocols
- UL Class 1, Division 2 Groups A, B, C, D NEMA 4X
- ATEX, CSA, IECEx, EAC, Inmetro & IECEx Class1 Zone 1,2,21,22,IP66
- Plug and play device, din-rail mounting for quick installation
- Works to protect all PC locations within an industrial processing plant

## Industrial Cyber Network Security Solutions



## TEC EX Lighting



- Full line of Hazardous location rated EX lighting fixtures
- UL Class 1 & 2, Division 1 & 2 Groups C, D NEMA 4X
- ATEX, CSA, IECEx, Zone 1,2,21,22, IP 66
- Types of lights available: Area Lights, Linear, Flood, High Bay, UFO, Jar Bay, Bay Square,
- Round Bay, Jelly Jar, Surface linear, Wall Mount, High Temp High Bay, All Purpose

## TEC EX Lighting



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