

2HP Explosion Proof AC Line Reactor - Class I, II, III - 208V, 3PH 60Hz - 16A - NEMA ETX-ALR-3PH-208V-2HP-16A



ETX-ALR-3PH-208V-2HP-16A Industrial AC Line Reactor

Listing: United States, Canada

Unit Type: Explosion Proof AC Line Reactor

Dimensions: 12.32" x 12.32" x 8.09"

Weight: 41 lbs

Voltage: 208V AC

Phase: 3PH

Frequency: 60Hz

HP: 2HP

Reactor Amps: 16A

Inductance: 1378 uH (751+ uH)

Impedance: 6%

Insulation Class: 180°C

Max Temperature Rise: 115°C

Materials: Copper-free Aluminum

Finish: Aluminum Lacquer Paint

Mounting: Surface

Wiring: Terminal Blocks

Hub Qty/Size: (2) 3/4" NPT

Hub Location: (1) 3/4" NPT @ West, (1) 3/4" NPT @ East

Ratings/Approvals

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

Class I, Zones 1 & 2, Groups IIB+H2, IIA

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

Class III, Divisions 1 & 2

NEMA Type 3, 4, 4X

Overvoltage Trip Protection

Power Surge Protection

Special Orders- Requirements

Contact us for special requirements

Phone: 1-214-616-6180

Toll Free: 1-800-369-6671

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

The Larson Electronics ETX-ALR-3PH-208V-2HP-16A Explosion Proof AC Line Reactor protects VFDs and motors from power surges, tripping and overvoltage in combustible environments. This 2HP device is compatible with three-phase 208V AC, 60Hz. Constructed of copper-free aluminum, the AC line reactor can be mounted on surfaces and contains two, 3/4" NPT hubs.

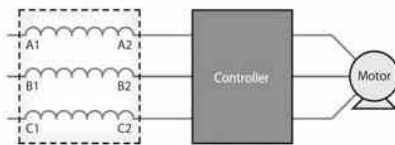
The ETX-ALR-3PH-208V-2HP-16A provides power conditioning solutions for VFDs and connected equipment in Class I, II and III rated combustible sites. This 2HP device operates on three-phase 208V AC, 60Hz. The line reactor is rated at 16A amps and offers 1378 uH inductance (751+ uH), with 6% impedance. An insulation class of 180°C and maximum temperature rise of 115°C ensures sustainable use in industrial sites.

This explosion proof line reactor is protected by a copper-free aluminum housing, with an aluminum lacquer paint finish. The line reactor's windings are constructed of copper, with a gapped iron core. Designed for power conditioning, this unit can be installed at the line side of a VFD. When applied this way, the device increases system reliability and total power factor, as well as promotes cool/quiet operation. It also decreases overvoltage trips, harmonics, voltage drops and power surges.

Wiring/Hubs: This explosion proof AC line reactor is equipped with terminal blocks for completing electrical connections. Operators may access two, 3/4" hubs on the enclosure. One, 3/4" NPT hub is located on the west side and one, 3/4" NPT hub can be found on the east side.

Mount: The ETX-ALR-3PH-208V-2HP-16A is compatible with surface mounting applications, which is facilitated by mounting ears at the back of the unit.

Applications: Hazardous locations, petroleum refineries, chemical plants, food processing, VFDs power conditioning, oil/gas pumps, HVAC systems, industrial machines, extruder, water-treatment plants, irrigation systems and motor protection.

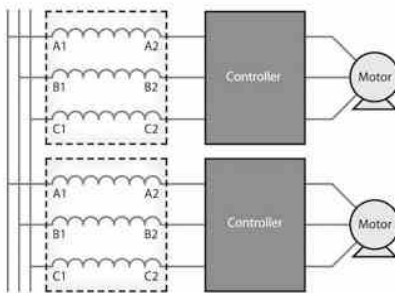
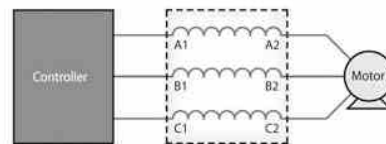


Input to Inverter/Drive

AC Line Reactors protect your sensitive equipment from noise generated by the drive or inverter. They protect the controller from power surges, spikes and harmonic distortion.

Output of Inverter/Drive (AC Drive only)

Motors run cooler and quieter with an AC Line Reactor placed between the inverter and motor. This application also reduces dv/dt and protects the controller from short circuits and surges.

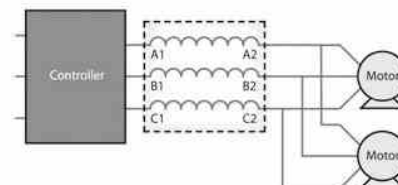


Multiple Controllers on a Single Power Line

Each drive or inverter on a single power line requires its own AC Line Reactor in order to provide adequate surge protection, prevent crosstalk and reduce harmonic distortion.

Multiple Motors Controlled by a Single Drive (AC Drive only)

Multiple motors controlled by a single drive require only one AC Line Reactor between the controller and motors.



Larson Electronics is a manufacturer and we can build portable power distribution systems to your specifications. Although we carry several models of portable power distribution systems in stock, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671



www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

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