

GROWING ELECTRIFICATION. AUTOMATING.

TECHNOLOGICAL INNOVATION
GUARANTEERING YOUR SAFETY

Coming from both your internal power grid (which includes engine starts) and external phenomena such as lightning or power returns, transient voltages represent losses of US \$26 billion each year in the US alone.

Armada is specialized in the electrical protection of critical equipment. As a key partner to our customers, our role is to protect their electrical and electronic investments in the industrial, commercial and residential sectors.

High reliability protection against overvoltage



80 % of surges are generated by your equipment.

In the event of a major overvoltage, damaged equipment is:

- / Safety and fire alarm systems **every second time**;
- / Emergency generators and emergency power supplies **one out of three times**.

CONSEQUENCES OF OVERVOLTAGES:

- / Unplanned outages
- / Loss of data
- / Decrease the life of your devices
- / Material destruction

According to the National Electrical Code®, companies must protect their emergency system, their computer systems managing critical equipment and their emergency switchboards.

ARMADA INNOVATION: Power Pressure Technology™



GALEOS Series 6



GALEOS Series 2

- / Simple
- / Transparent
- / Patented
- / Certified UL and CSA 4th Edition with the highest requirements



LISTED SPD No: E500900

Do not take any more risks

The non-fuse nor electronic circuit design of the Galeos range guarantees the exceptional efficiency and reliability of our protectors. The Armada has been designed to contain the short circuit generated by a major surge, store this abnormal energy, and then dissipate it safely.

How does it work ?

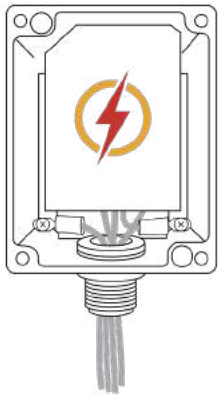
Without oxygen or combustion, the chemical in our components increases the MOV (metal oxide varistor) capacity while absorbing the shock of power. This system transforms electrical energy into kinetic energy.



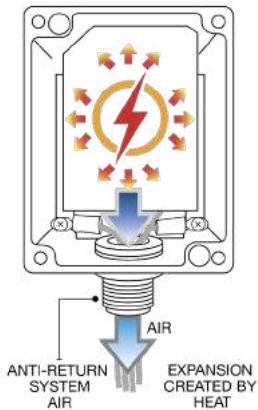
A SOLUTION THAT FITS

With this simple solution to implement and adapt to the different voltages of your factory, the Armada provides complete protection of your electrical network against transient voltages.

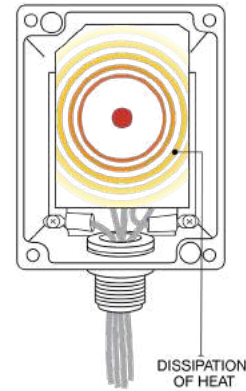
SHORT-CIRCUIT CREATED BY A MAJOR OVERVOLTAGE



PRESSION



DISSIPATION



TECHNICAL CHARACTERISTICS

The forces of an Armada:

- / Protection at **10% of the nominal voltage**
- / One nanosecond reactivity
- / Connection time: **100 times longer than the competition**
- / MOV in an environment that dissipates **20 times more heat**
- / Connectivity to the control system

Galeos	Voltage	MCOV	Phase	Nominal Discharge current (In)	SCCR	Protection mode
Serie 2	120/240V	130/275V	1S	20kA	20kA	L-N, L-L
Serie 2*	120/240V	130/275V	1S	20kA	20kA	L-N, L-L, L-G, N-G
Serie 3	120/208V	130/275V	3P	20kA	20kA	L-N, L-L
Serie 4	240V	130/275V	1P	20kA	20kA	L-N, L-G, N-G
Serie 5	277/480V	320/550V	3P	20kA	20kA	L-N, L-L, L-G, N-G
Serie 6	347/600V	385/750V	3P	20kA	20kA	L-N, L-L, L-G, N-G



Contact us

21, rue Saint-Jude S,
Granby, QC, Canada
J2J 2M9

Phone number:

514-227-7321

Toll-free number:

1-888-681-8804

Web site:

www.armadasurge.com

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ARMADA
THE REAL SOLUTION TO OVERVOLTAGES
