



Harmonic Filter Resistors At Your Fingertips

Vishay Milwaukee Series:

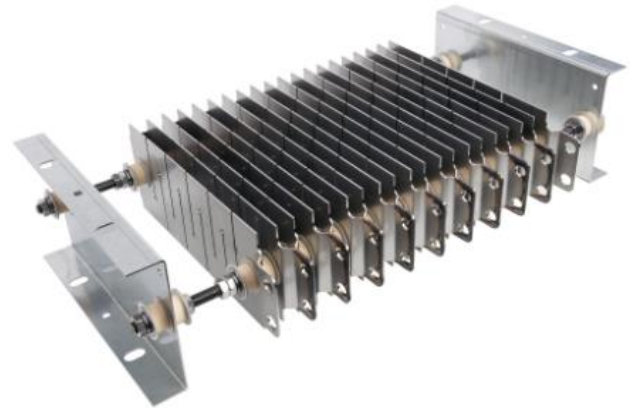
- GRE1, GRES: <http://www.vishay.com/doc?31833>

What they do

- Within industrial electrical networks harmonic filter resistors are used to remove unwanted harmonics from the system.

Electrical Capabilities

- Insulated for System Voltages
- Non-Magnetic material used to reduce inductance
- Tied live design to eliminate floating voltages
- Grid and wirewound resistor technologies



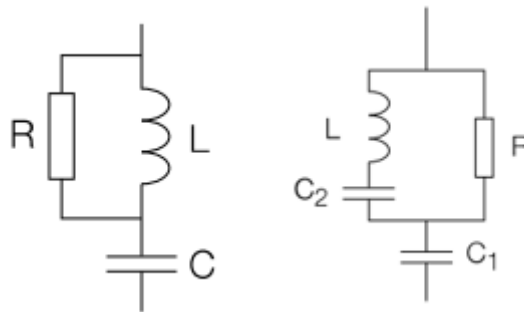
Key Parameters

- Rugged IP23 rated outdoor enclosures
- Stainless Steel resistor elements offer high thermal capacity

Application Specifics

- Found in Substations within the Oil & Gas, Industrial, and Utility markets.
- Harmonic filter banks use capacitors, inductors and resistors to stabilize any interference or distortion present in electrical networks.

Schematic



How Can We Help

- Do you use grid style filter resistors in your high-pass, low-pass, band-pass, c-type filters or double-tuned harmonic filters?
- Are you typically buying IP00 open mount resistors or resistors housed in IP20 or IP23 enclosures?
- Do you have any special requirements (termination, stands, extra creep/strike, seismic, pollution, etc.)



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Information Required for Quote

System Volts (V_{L-L}): _____
(Line to Line Voltage)

Line-Neutral Volts (V_{L-N}): _____
(Line to Neutral = V_{L-L} / sqrt(3))

Single Series Resistor Per Phase Configuration

Current (A): _____
(Per Phase)

Resistance, VL-N/A (Ω): _____
(Per Phase)

C-Type or Parallel Path Per Phase Configuration

Current (A): _____ per path
(Phase Current / 2)

Resistance, VL-N/A (Ω): _____ per path
(Phase Resistance * 2)

Enclosure Info

Type: Indoor Screen (IP20) Outdoor (IP23) Frames only (IP00)

Finish: Mill Galvanized Stainless Steel Other _____

Custom Options:

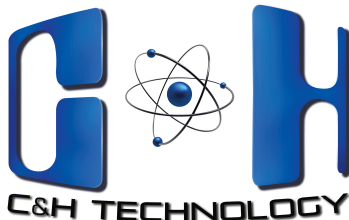
Space limitations: _____

Elevation above sea level: _____ Feet

Enclosure Entry: Bottom Hub / Top Bushing / Side Bushing

Enclosure Exit: Bottom Hub / Top Bushing / Side Bushing

Station post insulators: _____ Provided by Customer OR Provided by Vishay



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