

Wired-In Surge Arrestors and Protective Devices

Surge Arrestors are a low cost solution that may be installed on the line side or load side of the service entrance. These are also excellent for OEM applications where size is an important variable.

Hubbell's 50kA single phase wired-in high-quality surge protective device features a compact design, NEMA 4X rating and are UL1449 4th edition listed.

- 36,000, 40,000 and 50,000 Peak Amperage Capacity
- Surge arrestors are a low cost solution that may be installed on the line side or load side of the service entrance
- Excellent for OEM applications where size is an important variable
- Single phase wired-in surge protective devices feature a compact design



Wired-In High-Quality Surge Protective Device (Type 1 SPD)

| Service Voltage | Configuration | Peak Amp Capacity | Mounting Means | Catalog Number |
|--------------------------|-----------------|-------------------|-------------------|----------------|
| 120/240V AC Single Phase | 1Ph. 3-wire + G | 50kA | Side Nipple Mount | HBL3W50 |

Wired-In Surge Arrestors, Single Phase and Three Phase (Type 1 SPD)

| Service Voltage | Configuration | Peak Amp Capacity | Mounting Means | Catalog Number |
|--------------------------|---------------|-------------------|-------------------|------------------|
| 120/240V AC Single Phase | 1Ph. 3-wire | 36kA | Back Nipple Mount | HBLSDSA36 |
| 120/208V AC Wye* | 3Ph. 4-wire | 40kA | Back Nipple Mount | HBL4SA40 |
| 240V AC Delta | 3Ph. 3-wire | 40kA | Back Nipple Mount | HBL5SA40 |
| 480V AC Delta | 3Ph. 3-wire | 40kA | Back Nipple Mount | HBL9SA40 |
| 347/600V AC Wye | 3Ph. 4-wire | 40kA | Back Nipple Mount | HBL10SA40 |
| 600V AC Delta | 3Ph. 3-wire | 40kA | Back Nipple Mount | HBL11SA40 |

Electrical Specifications

| Catalog Number | SCCR \diamond | I_n | MCOV \dagger | Voltage Protection Rating (VPR) | | | |
|------------------|-----------------|-------|---------------------------|---------------------------------|-----|-----|------|
| | | | | L-N | L-G | N-G | L-L |
| HBL3W50 | 25kA | 10kA | 150 (L-N, L-G), 300 (L-L) | 700 | 800 | N/A | 1200 |
| HBLSDSA36 | 22kA | 10kA | 150 | 700 | N/A | N/A | 1200 |
| HBL4SA40 | 200kA | 10kA | 180 (L-N), 360 (L-L) | 700 | N/A | N/A | 1200 |
| HBL5SA40 | 200kA | 10kA | 360 (L-L) | N/A | N/A | N/A | 1200 |
| HBL9SA40 | 200kA | 10kA | 840 (L-L) | N/A | N/A | N/A | 2500 |
| HBL10SA40 | 200kA | 10kA | 510 (L-N), 1020 (L-L) | 1800 | N/A | N/A | 3000 |
| HBL11SA40 | 200kA | 10kA | 1020 (L-L) | N/A | N/A | N/A | 3000 |

Note: \diamond SCCR - Short Circuit Current Rating. \dagger MCOV - Maximum Continuous Operating Voltage. I_n - Nominal discharge current.

Product Specifications

| Service Voltage | Single Phase | Single Phase | Three Phase |
|-------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Max. Surge Current per Phase: | 50kA | 36kA | 40kA |
| Max. Operating Temperature: | -40°F to 149°F (-40°C to 65°C) | -40°F to 149°F (-40°C to 65°C) | -40°F to 149°F (-40°C to 65°C) |
| Diagnostics Indicators: | Green Status LED per line | Green Status LED per line | Green Status LED per line |
| Dimensions: | 3.0"W x 3.6"H x 2.67"D | 2.25"W x 2.25"H x 1.94"D | 3.60"W x 3.0"H x 2.64"D |
| Weight: | 1.8 lbs. | .72 lbs. | 1.8 lbs. |
| Terminal Accommodation: | #12 AWG Wire Leads | #14 AWG Wire Leads | #12 AWG Wire Leads |
| Frequency: | 50/60 Hz | 50/60 Hz | 50/60 Hz |
| EMI/RFI: | Up to -30dB | Up to -30dB | Up to -30dB |
| Housing Rating: | Type 4X | Type 4X | Type 4X |
| Listing: | UL1449 4th edition | UL1449 4th edition | UL1449 4th edition |
| Warranty: | 10 year | 2 year | 2 year |