

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 surge protective devices feature a compact design, NEMA 4X rating and are UL 1449-3rd edition listed.



**Wired-In Surge Arrestors, Single Phase 36,000 and Three Phase 40,000 (Type 1 / Type 2 SPD)**

| Service Voltage V AC     | Configuration | Peak Amp Capacity | Mounting Means    | Catalog Number   |
|--------------------------|---------------|-------------------|-------------------|------------------|
| 120/240 Single Phase     | 1Ph. 3-wire   | 36kA              | Back Nipple Mount | <b>HBLSDSA36</b> |
| 347/600V Max Three Phase | 3Ph. 4-wire   | 40kA              | Back Nipple Mount | <b>HBLSDSA40</b> |

**Wired-In Surge Protective Devices 50,000 Peak Amp Capacity (Type 1 SPD)**

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

**Electrical Specifications**

| Catalog Number   | SCCR $\diamond$ | $I_n$ | MCOV $\dagger$ | Voltage Protection Rating (VPR) |     |     |      |
|------------------|-----------------|-------|----------------|---------------------------------|-----|-----|------|
|                  |                 |       |                | L-N                             | L-G | N-G | L-L  |
| <b>HBLSDSA36</b> | 25kA            | 10kA  | 150            | 700                             | N/A | N/A | 1200 |
| <b>HBLSDSA40</b> | 200kA           | 10kA  | 750/1500       | 2500                            | N/A | N/A | 4000 |
| <b>HBL3W50</b>   | 25kA            | 10kA  | 150            | 700                             | 800 | N/A | 1200 |
| <b>HBL3W120</b>  | 25kA            | 10kA  | 150            | 700                             | 800 | N/A | 1200 |

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

**Product Specifications**

|                               |                                   |                                   |                                   |
|-------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Max. Surge Current per Phase: | 36kA                              | 40kA                              | 50kA                              |
| Max. Operating Temperature:   | -40°F to 160°F<br>(-40°C to 70°C) | -40°F to 160°F<br>(-40°C to 70°C) | -40°F to 160°F<br>(-40°C to 70°C) |
| Diagnostics:                  | Green Status LED per line         | Green Status LED per line         | Green Status LED per line         |
| Dimensions:                   | 1.9"D x 2.25"W x 2.25"H           | 2.64"D x 3.6"W x 3.0"H            | 2.7"D x 3.0"W x 3.6"H             |
| Weight:                       | .72 lbs.                          | 1.8 lbs.                          | 1.8 lbs.                          |
| Terminal Accommodation:       | #14 AWG Wire Leads                | #12 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                       |
| NEMA:                         | Type 4X                           | Type 4X                           | Type 4X                           |
| Listing:                      | UL1449-3rd edition                | UL1449-3rd edition                | UL1449-3rd edition                |
| Warranty:                     | 2 year                            | 2 year                            | 10 year                           |