

# Service Entrance Suppressor(P), 40 kA DC



## CERTIFICATIONS



## FEATURES

Compact NEMA®-4X enclosure design can be flush mounted or installed in a small space

40 kA 8/20 µs maximum surge rating provides protection suitable for service entrance and distribution panels

Mounting bracket available for mounting within panel backplane

## SPECIFICATIONS

Table 1/4

| Catalog Number | Nominal System Voltage (Un) | Distribution System | Max Continuous Operating Voltage (Uc) | Short Circuit Current Rating (SCCR) | Nominal Discharge Current (In) | Max Discharge Current (Imax) |
|----------------|-----------------------------|---------------------|---------------------------------------|-------------------------------------|--------------------------------|------------------------------|
| SES40P300DC    | 300 VDC                     | DC 2W+G             | 360 VDC                               | 100kA                               | 20kA 8/20 µs                   | 40kA 8/20 µs                 |

Table 2/4

| Catalog Number | Voltage Protection Rating (VPR) | Voltage Protection Rating (VPR), DC+ - DC- | Voltage Protection Rating (VPR), PE - DC- | Voltage Protection Rating (VPR), PE - DC+ | Status Indication | Technology |
|----------------|---------------------------------|--------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------|------------|
|----------------|---------------------------------|--------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------|------------|

|             |               |       |       |       |          |                             |
|-------------|---------------|-------|-------|-------|----------|-----------------------------|
| SES40P300DC | 1200 V @ 3 kA | 2500V | 1500V | 1500V | Blue LED | MOV with thermal disconnect |
|-------------|---------------|-------|-------|-------|----------|-----------------------------|

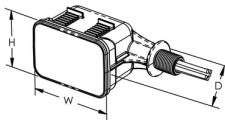
Table 3/4

| Catalog Number | Lead Length | Lead Size            | Temperature  | Enclosure Material      | Enclosure Rating | Mounting             |
|----------------|-------------|----------------------|--------------|-------------------------|------------------|----------------------|
| SES40P300DC    | 762mm       | 3.31 mm <sup>2</sup> | -40 to 80 °C | UL® 94V-0 Thermoplastic | NEMA®-4X         | 3/4" straight nipple |

Table 4/4

| Catalog Number | Unit Weight | Certification Details                 | Complies With                                 | Depth (D) | Height (H) | Width (W) |
|----------------|-------------|---------------------------------------|-----------------------------------------------|-----------|------------|-----------|
| SES40P300DC    | 0.25 kg     | UL® 1449 Edition 5 for DC General Use | ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C | 76.2mm    | 69.85 mm   | 120.65 mm |

## DIAGRAMS



## WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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