

- Type 1/2 SPD - I<sub>max</sub> 150kA per phase - I<sub>n</sub> 20kA - NEMA Enclosure

## MDS300E-120T



- Surge Capacity to 300kA 8/20us Total
- Lightning Capacity to 15kA 10/350us per phase
- UL1449 Nominal Discharge Current (I<sub>n</sub>) 20kA (All models)
- UL1449 Short-circuit Current Rating (SCCR) 200kA (All models)
- UL96A Master Label Compliant
- Standard Diagnostics - % of protection present, audible, remote, test/mute
- Replaceable Modular Design for SPD and Filter (if applicable)
- Optional Listing as Type 2 Listed with UL1283 and cUL
- NEMA 4/12 (Stainless Steel NEMA 4X optional)
- Internal Mount Option "MDS BP KIT" available for Switchgear, Switchboards and Panelboards

| Electrical Characteristics |      |   |
|----------------------------|------|---|
| POWER SPD TYPE             |      | UL1449 TYPE 1/2 LISTED  |
| VOLTS                      | (V)  | 240/120   |
| AC/DC/DC PV/RF             |      | AC  |
| PHASE                      | (PH) | 1S  |
| AMBIENT MIN                | (C)  | -35   |
| AMBIENT MAX                | (C)  | +85   |
| MODES                      |      | L-L, L-N, L-G, N-G  |
| VPR                        | (V)  | 1800/1200/1200/900  |
| MCOV                       | (V)  | 420/210/210/150   |
| IN15 impulses 8/20µs       | (kA) | 20  |
| SCCR                       | (kA) | 200   |
| IMAX8/20µs                 | (kA) | 150   |
| Mechanical Characteristics |      |   |
| TECHNOLOGY                 |      | Multi-TMOV  |
| NETWORK CONFIGURATION      |      | 1PH, 3W+G, Split Phase  |
| CONNECTION METHOD          |      | Screw Terminal (4-10AWG)  |
| MOUNTING                   |      | FLANGE MOUNT  |
| MATERIAL                   |      | Steel   |
| NEMA RATING (IP RATING)    |      | 3R/4/12   |
| FAIL-SAFE BEHAVIOR         |      | Yes, no upstream over current protection required                                       |
| REAL-TIME DIAGNOSTICS      |      | % of protection present LED, audible alarm and remote contacts. Optional surge counter. |
| DIMENSIONS                 |      | See diagram (mm)  |
| WEIGHT                     |      | 10 lbs  |
| Standards                  |      |   |
| UL STANDARD                |      | UL1449 5th Edition, UL1283  |
| UL CATEGORY                |      | VZCA, VZCA7, FOKY, FOKY7  |
| UL FILE NUMBER             |      | E326289, E467909  |
| ANSI/IEEE C62.41           |      | Category C 20kV/10kA  |
| ENVIRONMENTAL STANDARDS    |      | ROHS  |
| Part number                |      |   |
| 890616                     |      |   |