



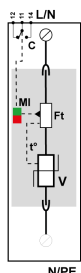
# CITEL



## UL TYPE 4CA SPD - I<sub>max</sub> 40kA - I<sub>n</sub> 20kA - Modular

### DS41S-120

- MOV Technology
- UL1449 Type 4CA
- 40kA Surge Current Rating
- Visual fault indicator and remote contacts
- 10-Year warranty



V: High-energy varistor  
Ft: Thermal fuse  
C: Remote signal contact  
t\*: Thermal disconnection system  
MI: Disconnection indicator

| Electrical Characteristics                                        |                  |                                                    |
|-------------------------------------------------------------------|------------------|----------------------------------------------------|
| Network                                                           |                  | 120/208 V                                          |
| Nominal line voltage                                              | Un               | 120 Vac                                            |
| Max. AC operating voltage                                         | Uc               | 150 Vac                                            |
| Max. discharge current<br><i>max. withstand @ 8/20 µs by pole</i> | I <sub>max</sub> | 40 kA                                              |
| Connection mode(s)                                                |                  | L/N or N/PE                                        |
| Protection mode(s)                                                |                  | Common Mode or Differential Mode                   |
| Residual voltage at 5 kA<br><i>@ 5 kA (8/20µs)</i>                | Up-5kA           | 0.6 kV                                             |
| POWER SPD TYPE                                                    |                  | UL1449 5th Ed. TYPE 4CA                            |
| VOLTS                                                             | (V)              | 120                                                |
| AC/DC/DC PV/RF                                                    |                  | AC                                                 |
| PHASE                                                             | (PH)             | 1                                                  |
| AMPS                                                              | (A)              | N/A                                                |
| AMBIENT MIN                                                       | (C)              | -40                                                |
| AMBIENT MAX                                                       | (C)              | +85                                                |
| MODES                                                             |                  | L-G                                                |
| MLV                                                               | (V)              | -/-/1240/-                                         |
| MCOV                                                              | (V)              | 150                                                |
| IN<br><i>15 impulses 8/20µs</i>                                   | (kA)             | 20                                                 |
| SCCR                                                              | (kA)             | n/a                                                |
| IMAX<br><i>8/20µs</i>                                             | (kA)             | 40                                                 |
| Iimp<br><i>10/350µs</i>                                           | (kA)             | 4                                                  |
| Mechanical Characteristics                                        |                  |                                                    |
| Technology                                                        |                  | MOV                                                |
| Connection to Network                                             |                  | By screw terminals: 2.5-25mm <sup>2</sup> / by bus |
| Format                                                            |                  | Plug-in modular box                                |
| Mounting                                                          |                  | Symmetrical rail 35 mm (EN 60715)                  |
| Operating temperature                                             | Tu               | -40/+85°C                                          |
| Protection rating                                                 |                  | IP20                                               |
| Failsafe mode                                                     |                  | Disconnection from AC network                      |
| TECHNOLOGY                                                        |                  | MOV                                                |
| NETWORK CONFIGURATION                                             |                  | 2 wires                                            |
| CONNECTION METHOD                                                 |                  | SPD-Screw Terminal (8-12AWG), Terminal blocks 6AWG |
| MOUNTING                                                          |                  | Din Rail                                           |
| MATERIAL                                                          |                  | Thermoplastic UL94-V0                              |
| NEMA RATING (IP RATING)                                           |                  | NEMA 2 (IP20)                                      |
| FAIL-SAFE BEHAVIOR                                                |                  | Disconnection via fuse-link                        |
| REAL-TIME DIAGNOSTICS                                             |                  | Visual indicator and remote contacts               |
| DIMENSIONS                                                        |                  | See diagram                                        |
| WEIGHT                                                            |                  | 0.30 lbs                                           |



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## UL TYPE 4CA SPD - I<sub>max</sub> 40kA - In 20kA - Modular

### DS41S-120

|                         |                                                    |
|-------------------------|----------------------------------------------------|
| SPARE PART              | DSM40-120                                          |
| <b>Standards</b>        |                                                    |
| Certification           | cRUus                                              |
| Environmental standards | EU RoHS                                            |
| UL STANDARD             | UL1449 5th Edition                                 |
| UL CATEGORY             | VZCA2, VZCA8                                       |
| UL FILE NUMBER          | E326289                                            |
| STANDARDS               | IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993 |
| <b>Part number</b>      |                                                    |
| <b>331611</b>           |                                                    |

