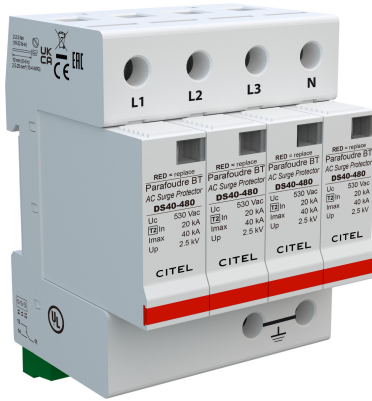




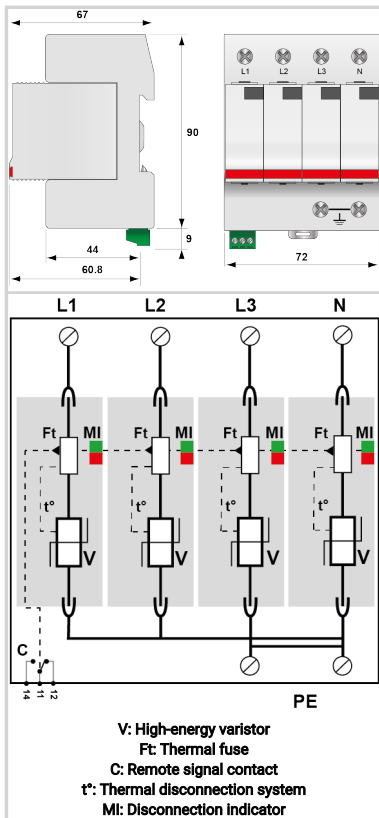
# CITEL

## UL TYPE 1 SPD - I<sub>max</sub> 40kA - I<sub>n</sub> 20kA - Modular

### DS44S-480



- ▶ UL1449 TYPE 1 LISTED SPD
- ▶ MOV Technology
- ▶ 40kA Surge Current Rating
- ▶ Visual fault indicator and remote contacts
- ▶ 10-Year warranty



| Electrical Characteristics  |  |
|---|--|
| Network   | 277/480 V 3-phase+N                                |
| Nominal line voltage  | Un 480 Vac   |
| Max. AC operating voltage   | Uc 530 Vac   |
| Max. discharge current<br><i>max. withstand @ 8/20 μs by pole</i> | I <sub>max</sub> 40 kA                             |
| Connection mode(s)  | L/PE and N/PE                                      |
| Protection mode(s)  | Common mode  |
| Protection level N/PE<br><i>@ I<sub>n</sub> (8/20μs)</i>          | U <sub>p</sub> N/PE 2.5 kV                         |
| POWER SPD TYPE  | UL1449 TYPE 1 LISTED                               |
| VOLTS   | (V) 480/277  |
| AC/DC/DC PV/RF  | AC   |
| PHASE   | (PH) 3Y  |
| AMPS  | (A) N/A  |
| AMBIENT MIN   | (C) -40  |
| AMBIENT MAX   | (C) +85  |
| MODES   | L-L, L-N, L-G, N-G                                 |
| VPR   | (V) 4000/4000/1800/1800                            |
| MCOV  | (V) 550/550/550/550                                |
| IN<br><i>15 impulses 8/20μs</i>                                   | (kA) 20  |
| SCCR  | (kA) 100   |
| IMAX<br><i>8/20μs</i>   | (kA) 40  |
| limp<br><i>10/350μs</i>   | (kA) 4   |
| Mechanical Characteristics  |  |
| 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   | 3PH, 4W+G, Wye                                     |
| 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  | 1.20 lbs   |
| SPARE PART  | DSM40-480  |
| Standards   |  |
| Certification   | TUV  |
| Environmental standards   | EU RoHS  |
| UL STANDARD   | UL1449 5th Edition                                 |
| UL CATEGORY   | VZCA, VZCA7  |
| UL FILE NUMBER  | E326289  |
| STANDARDS   | NOM-003-SCFI-2014, NOM-001-SCFI-1993               |
| Part number   |  |
| <b>461016</b>   |  |

