

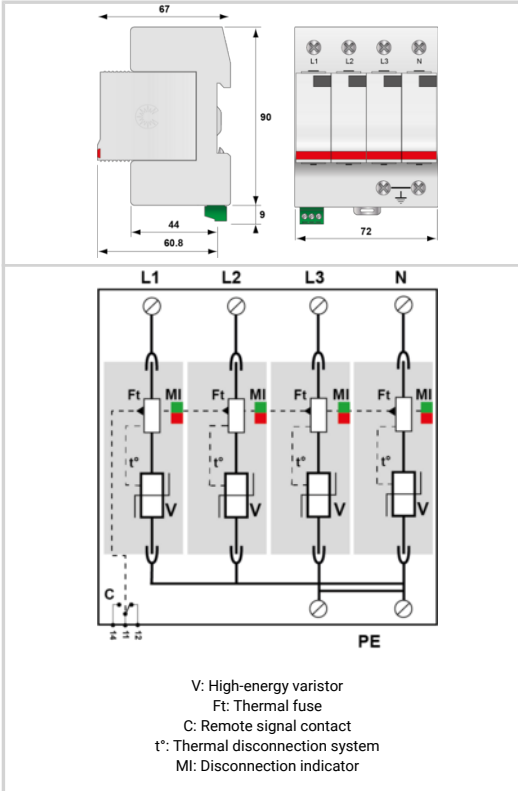


CITEL DS44S-120



Type 2 AC Multipolar surge protector

- In : 20 kA
- I_{max} total : 40 kA
- Pluggable module for each phase
- Remote signaling option
- NF EN 61643-11, CEI 61643-11 compliant



| Electrical Characteristics | | |
|--|---------------------------|-------------------------|
| Network | | 120/208 V 3-phase+N |
| Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i> | I _{max} Total | 160 kA |
| Protection mode(s) | | Common mode |
| POWER SPD TYPE | | UL1449 5th Ed. TYPE 4CA |
| VOLTS | (V) | 240/120 |
| AC/DC/DC PV/RF | | AC |
| PHASE | (PH) | 3Y |
| AMPS | (A) | N/A |
| AMBIENT MIN | (C) | -35 |
| AMBIENT MAX | (C) | +60 |
| MODES | | L-L, L-N, L-G, N-G |
| MLV | (V) | 1960/-/1240/- |
| MCOV | (V) | 300/-/150/- |
| IN <i>15 impulses 8/20 μs</i> | (kA) | 20 |
| SCCR | (kA) | n/a |
| IMAX <i>8/20 μs</i> | (kA) | 40 |
| I _{imp} <i>10/350 μs</i> | (kA) | 4 |
| Option | | |
| Remote status dry contact electrical rating <i>Max Voltage</i> | V | 250.0000 |
| Remote status dry contact electrical rating <i>Max Current</i> | A | 0.5000 |
| RFI Filter | | no |
| Installation | | |
| Wiring type | | Screw |
| Solid wire cross section <i>Min</i> | mm ² | 2.5000 |
| Solid Wire cross section <i>Max</i> | mm ² | 35.0000 |
| Stranded Wire cross section <i>Min</i> | mm ² | 2.5000 |
| Stranded wire cross section <i>Max</i> | mm ² | 25.0000 |
| Wire gauge <i>Min</i> | AWG | 13.0000 |
| Wire gauge <i>Max</i> | AWG | 2.0000 |
| Torque | Nm | 2.0 - 2.5 |
| Torque | in-lbs | 17.8 - 22.1 |
| Strip Length | mm | 13.0000 |
| Strip Length | in | 0.5000 |
| Operating Temperature <i>Min</i> | °C | -40.0000 |
| Operating Temperature <i>Max</i> | °C | 85.0000 |
| Operating Temperature <i>Min</i> | °F | -40.0000 |
| Operating Temperature <i>Max</i> | °F | 85.0000 |
| Operating Relative Humidity <i>Max</i> | %RH | 95 |
| Operating Altitude <i>Min</i> | Ft | 2000.0000 |
| Operating Altitude <i>Max</i> | Ft | 6500.0000 |
| Housing/Enclosure material | | Thermoplastic |
| Flammability rating <i>UL 94</i> | | V0 |
| Mounting | | Din Rail |
| IP Environmental rating <i>IP</i> | | IP20 |
| NEMA Environmental rating <i>NEMA</i> | | NEMA 1 |
| Installation Location | | Indoor |
| Spare part | | Module |
| Product Dimension <i>L</i> | mm | 99.0000 |
| Product Dimension <i>H</i> | mm | 67.0000 |
| Product Dimension <i>W</i> | mm | 72.0000 |
| Product Dimension <i>L</i> | In | 3.8900 |
| Product Dimension <i>H</i> | In | 2.6400 |

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| | | |
|-----------------------------------|-----|--|
| Product Dimension W | In | 2.8400 |
| Miscellaneous | | |
| Individual Pack | | Yes |
| Storage Temperature Min | °C | -40.0000 |
| Storage Temperature Max | °C | 85.0000 |
| Storage Temperature Min | °F | -40.0000 |
| Storage Temperature Max | °F | 85.0000 |
| Storage Relative Humidity Max | %RH | 95.0000 |
| Mechanical Characteristics | | |
| Technology | | MOV |
| Connection to Network | | By screw terminals: 2.5-25mm ² / by bus |
| Format | | Plug-in modular box |
| Failsafe mode | | Disconnection from AC network |
| Weight | | 0.403 kg |
| 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 | | DSM40-120 |
| Standards | | |
| Certification | | CSA / UL Listed |
| UL STANDARD | | UL1449 5th Edition |
| UL CATEGORY | | VZCA2, VZCA8 |
| UL FILE NUMBER | | E326289 |
| STANDARDS | | NOM-003-SCFI-2014, NOM-001-SCFI-1993 |
| ENVIRONMENTAL STANDARDS | | ROHS |
| Part number | | |
| 461622 | | |