


NOARK

# U42P40440

SPD UL1449 - 1002738 - 2P - 20kA - 277/480Vac - MCOV 440V

Surge Protection / Protective Device (SPD) - UL 1449 - for type 4CA applications - NOARK (U4 series) - L-N / N-PE 20kA (8/20µs) UL nominal discharge current - 2-poles (2P) - 277Vac/480Vac voltage system (UL) rated voltage - MCOV (L-N) 440V maximum continuous operating voltage (Uc MCOV) - DIN rail mounting (35mm width) - equivalent to 1002738

## Additional information

The technical information provided in the datasheet is subject to change without notice. For confirmation, please contact NOARK's product support team.

## Specifications

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|---|---|
| **Primary brand** | NOARK |
| **Main function** | Surge arrester / Surge protection device (SPD) |
| **Product series / family name** | Electrical protection > Surge Protection Devices (SPD) > UL1449 |
| **Sub-range name** | U4 series |
| **Network frequency** | 50/60 Hz |
| **Functions** | Surge Protection / Protective Device (SPD) |
| **Design** | for type 4CA applications |
| **Poles** | 2-poles (2P) |
| **Display** | Mechanical indicator -- Green (OK) / Red (FAULT) |
| **Rated voltage (AC)** | 277Vac/480Vac voltage system (UL)<br>1.97kV (L-N) Maximum Limited Voltage (MLV) |
| **Maximum continuous operating voltage (Uc)** | MCOV (L-N) 440V |
| **Cross-section** | for #10AWG...#4AWG / 2.5mm2...25mm2 conductors (solid wire)<br>for #14AWG...#8AWG / 2.5mm2...16mm2 conductors (stranded wire) |
| **Rated discharge current** | L-N / N-PE 20kA (8/20µs) UL nominal discharge current<br>L-N 40kA Imax IEC maximum discharge current |
| **Protection functions** | Protection modes -- L-L / L-N / L-G / N-G<br>Thermal protection |

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| | |
|---|---|
| **Mounting mode** | DIN rail |
| **Degree of protection** | IP20 |
| **Dimensions** | H99mm x W35mm x D67.5mm<br>H3.9" x W1.38" x D2.66" |
| **Net Width (mm)** | 35 mm |
| **Material** | Thermoplastic housing |
| **Ambient air temperature for operation** | -40˚F...+176˚F / -40˚C...+80 ˚C |
| **Order code / Manufacturer SKU** | U42P40440<br>1002738 |
| **Manufacturer product status** | Commercialized |
| **Equivalent to** | 1002738 |
| **Compliant with standard(s)** | UL 1449<br>CSA C22.2 no.269.5-17<br>CQC compliant<br>CE marking<br>RoHS compliant |
| **Tightening torque** | (power terminals) 18lb.in / 2 N.m |

## Benefits

U4 surge protective devices are suitable for AC 50/60Hz, rated voltage is not more than 600V low-voltage power supply system, used to suppress the transient overvoltage is lower than the equipment impulse overvoltage, discharge the surge energy, so as to protect the system circuit and equipment.

- Indication window of fault status, makes the product more safer to use
- Pluggable module installation, makes maintenance and replacement more convenient
- Signal contact is optional, makes remote indication more flexible

## Documents

NOARK - Surge protective device - U4 series - Datasheet.pdf

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