

NOARK

U42N40320S

SPD UL1449 - 1002777 - 2P+N - 20kA - 120/240Vac - MCOV 320V - 1NO+1NC remote signal contacts

Surge Protection / Protective Device (SPD) with remote signal contact - UL 1449 - for type 4CA applications - NOARK (U4 series) - L-N / N-PE 20kA (8/20µs) UL nominal discharge current - 2-poles + neutral (2P+N) - 120Vac/240Vac voltage system (UL) rated voltage - MCOV (L-N) 320V maximum continuous operating voltage (Uc MCOV) - 1NO+1NC (1 Normally Open + 1 Normally Closed) signal contact (max. 1.5A at 250Vac / 3A at 125Vac) - DIN rail mounting (52.5mm width) - equivalent to 1002777

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

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	remote signal contact for type 4CA applications
Poles	2-poles + neutral (2P+N)
Display	Mechanical indicator -- Green (OK) / Red (FAULT)
Rated voltage (AC)	120Vac/240Vac voltage system (UL) 1.54kV (L-N) Maximum Limited Voltage (MLV)
Maximum continuous operating voltage (Uc)	MCOV (L-N) 320V
Cross-section	for #10AWG...#4AWG / 2.5mm2...25mm2 conductors (solid wire) for #14AWG...#8AWG / 2.5mm2...16mm2 conductors (stranded wire)
Rated discharge current	L-N / N-PE 20kA (8/20µs) UL nominal discharge current L-N 40kA Imax IEC maximum discharge current

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Protection functions	Protection modes -- L-L / L-N / L-G / N-G Thermal protection
Mounting mode	DIN rail
Contacts type	1NO+1NC (1 Normally Open + 1 Normally Closed) signal contact (max. 1.5A at 250Vac / 3A at 125Vac)
Degree of protection	IP20
Dimensions	H99mm x W52.5mm x D67.5mm H3.9" x W2.07" x D2.66"
Net Width (mm)	52.5 mm
Material	Thermoplastic housing
Ambient air temperature for operation	-40˚F...+176˚F / -40˚C...+80 ˚C
Order code / Manufacturer SKU	U42N40320S 1002777
Manufacturer product status	Commercialized
Equivalent to	1002777
Compliant with standard(s)	UL 1449 CSA C22.2 no.269.5-17 CQC compliant CE marking 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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