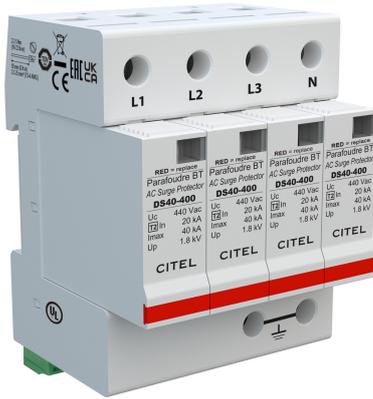




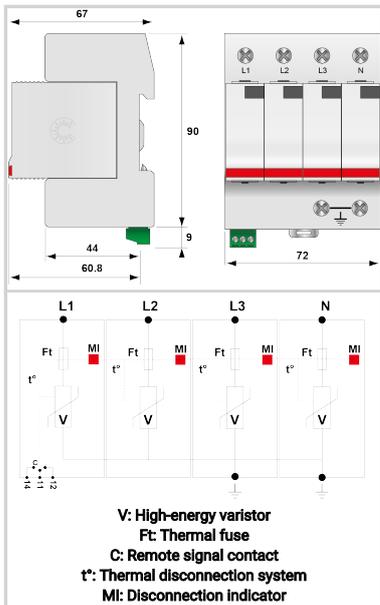
# CITEL

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

### DS44S-400



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



#### Electrical Characteristics

Network		230/400 V 3-phase+N
Nominal line voltage	U <sub>n</sub>	230/400 Vac
Max. AC operating voltage	U <sub>c</sub>	440 Vac
Max. discharge current <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
Residual voltage at 5 kA <i>@ 5 kA (8/20 μs)</i>	Up-5kA	1.3 kV
Protection level N/PE <i>@ I<sub>n</sub> (8/20 μs)</i>	Up N/PE	1.8 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)	-35
AMBIENT MAX	(C)	+60
MODES		L-L, L-N, L-G, N-G
VPR	(V)	2500/1500/1500/1500
MCOV	(V)	680/420/420/420
I <sub>N</sub> <i>15 impulses 8/20 μs</i>	(kA)	20
SCCR	(kA)	100
I <sub>MAX</sub> <i>8/20 μs</i>	(kA)	40
I <sub>limp</sub> <i>10/350 μs</i>	(kA)	4

#### Mechanical Characteristics

Connection to Network		By screw terminals: 2.5-25mm <sup>2</sup> / by bus
Format		Plug-in modular box
Operating temperature	T <sub>u</sub>	-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		DMS40-400

#### Standards

Certification		UL / TUV
UL STANDARD		UL1449 5th Edition
UL CATEGORY		VZCA, VZCA7
UL FILE NUMBER		E326289
STANDARDS		NOM-003-SCFI-2014, NOM-001-SCFI-1993
ENVIRONMENTAL STANDARDS		ROHS

#### Part number

**461422**

