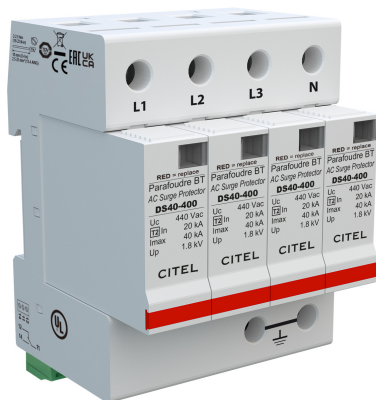




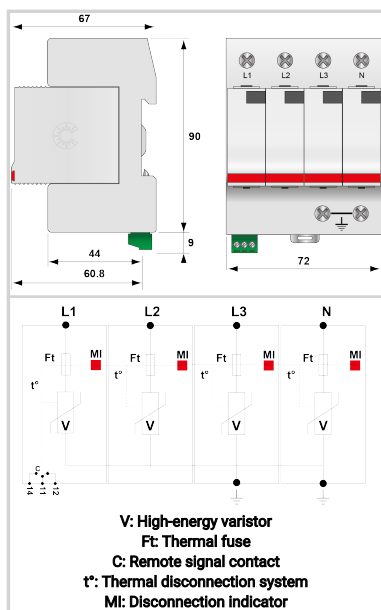
CITEL



UL TYPE 1 SPD - I_{max} 40kA - I_n 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		230/400V
Nominal line voltage	Un	230/400 Vac
Max. AC operating voltage	Uc	440 Vac
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	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_n (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)	-40
AMBIENT MAX	(C)	+85
MODES		L-L, L-N, L-G, N-G
VPR	(V)	2500/1500/1500/1500
MCOV	(V)	680/420/420/420
IN <i>15 impulses 8/20 μs</i>	(kA)	20
SCCR	(kA)	100
IMAX <i>8/20 μs</i>	(kA)	40
Iimp <i>10/350 μs</i>	(kA)	4

Mechanical Characteristics

Connection to Network		By screw terminals: 2.5-25mm ² / 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		DMS40-400

Standards

Certification		UL / 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

461422

