



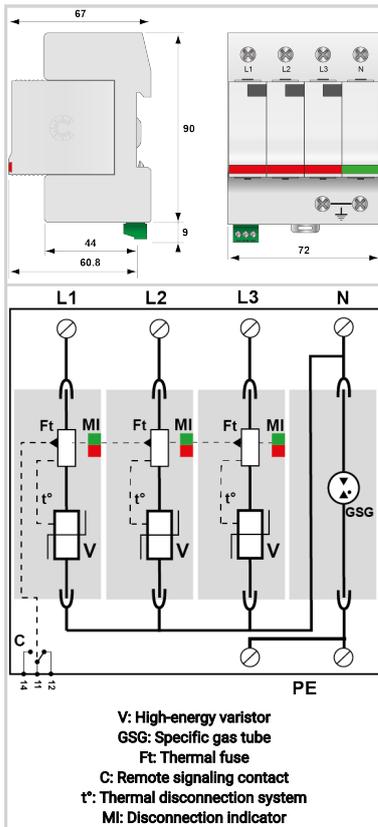
CITEL

UL RECOGNIZED TYPE 4CA - I_{max} 40kA - I_n 20kA - Replaceable Module

DS44S-120/G



- ▶ MOV Technology
- ▶ UL1449 Type 4CA
- ▶ 40kA Surge Current Rating
- ▶ Visual fault indicator and remote contacts
- ▶ 10-Year warranty



Electrical Characteristics

Network		120/208 V 3-phase+N
Nominal line voltage	U _n	120 Vac
Max. AC operating voltage	U _c	150 Vac
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	40 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	I _{max} Total	40 kA
Connection mode(s)		L/N and N/PE
Protection mode(s)		Common/Differential mode
Residual voltage at 5 kA <i>@ 5 kA (8/20 μs)</i>	Up-5kA	0.6 kV
Protection level L/N <i>@ I_n (8/20 μs)</i>	Up L/N	0.9 kV
Protection level N/PE <i>@ I_n (8/20 μs)</i>	Up N/PE	1.5 kV
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)	1700/1040/1690/1090
MCOV	(V)	300/150/150/255
IN <i>15 impulses 8/20 μs</i>	(kA)	20
SCCR	(kA)	n/a
IMAX <i>8/20 μs</i>	(kA)	40
Iimp <i>10/350 μs</i>	(kA)	4

Mechanical Characteristics

Technology		MOV+GDT
Connection to Network		By screw terminals: 2.5-25mm ² / by bus
Format		Plug-in modular box
Operating temperature	T _u	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from AC network
TECHNOLOGY		MOV+GSG
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, DSM40G-600

Standards

Certification		cRUus
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



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Module**

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461632

