

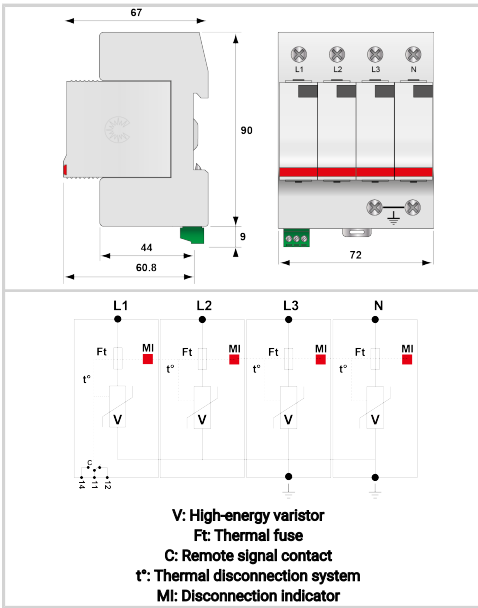


CITEL

DS44S-690



- ▶ 1-pole 75 Vdc surge protector
- ▶ In 20 kA / I_{max} 40 kA
- ▶ Pluggable module
- ▶ Remote signaling
- ▶ IEC 61643-11, EN 61643-11, UL1449 ed.5 compliance



Electrical Characteristics		
Network		400/690 V 3-phase+N
Nominal line voltage	U _n	690 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	160 kA
Protection mode(s)		Common mode
POWER SPD TYPE		UL1449 5th Ed. TYPE 4CA
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)	2930/-/1770/-
MCOV	(V)	600/-/320/-
IN <i>15 impulses 8/20μs</i>	(kA)	20
SCCR	(kA)	n/a
IMAX <i>8/20μs</i>	(kA)	40
I _{imp} <i>10/350μs</i>	(kA)	4
Option		
Remote status dry contact electrical rating <i>Max Voltage</i>	V	250.0000
Remote status dry contact electrical rating <i>Max Current</i>	A	0.5000
RFI Filter		no
Installation		
Wiring type		Screw
Solid wire cross section <i>Min</i>	mm ²	2.5000
Solid Wire cross section <i>Max</i>	mm ²	35.0000
Stranded Wire cross section <i>Min</i>	mm ²	2.5000
Stranded wire cross section <i>Max</i>	mm ²	25.0000
Wire gauge <i>Min</i>	AWG	13.0000
Wire gauge <i>Max</i>	AWG	2.0000
Torque	Nm	2.0 - 2.5
Torque	in-lbs	17.8 - 22.1
Strip Length	mm	13.0000
Strip Length	in	0.5000
Operating Temperature <i>Min</i>	°C	-40.0000
Operating Temperature <i>Max</i>	°C	85.0000
Operating Temperature <i>Min</i>	°F	-40.0000
Operating Temperature <i>Max</i>	°F	85.0000
Operating Relative Humidity <i>Max</i>	%RH	95
Operating Altitude <i>Min</i>	Ft	2000.0000
Operating Altitude <i>Max</i>	Ft	6500.0000
Housing/Enclosure material		Thermoplastic
Flammability rating <i>UL 94</i>		V0
Mounting		Din Rail
IP Environmental rating <i>IP</i>		IP20
NEMA Environmental rating <i>NEMA</i>		NEMA 1
Installation Location		Indoor
Spare part		Module
Product Dimension <i>L</i>	mm	99.0000
Product Dimension <i>H</i>	mm	67.0000
Product Dimension <i>W</i>	mm	72.0000
Product Dimension <i>L</i>	in	3.8900



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UL121201 Hazardous Locations- Imax 40kA - In 20kA - Modular

DS44S-690

Product DimensionH	In	2.6400
Product DimensionW	In	2.8400
Miscellaneous		
Individual Pack		Yes
Storage TemperatureMin	°C	-40.0000
Storage TemperatureMax	°C	85.0000
Storage TemperatureMin	°F	-40.0000
Storage TemperatureMax	°F	85.0000
Storage Relative HumidityMax	%RH	95.0000
Mechanical Characteristics		
Technology		MOV
Connection to Network		By screw terminals: 2.5-25mm ² / by bus
Format		Plug-in modular box
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from AC network
TECHNOLOGY		MOV
NETWORK CONFIGURATION		1PH, 3W+G, Split Phase
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		0.90 lbs
SPARE PART		DSM40-400
Standards		
Certification		UL / CSA / TUV Süd
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		
461822		

