



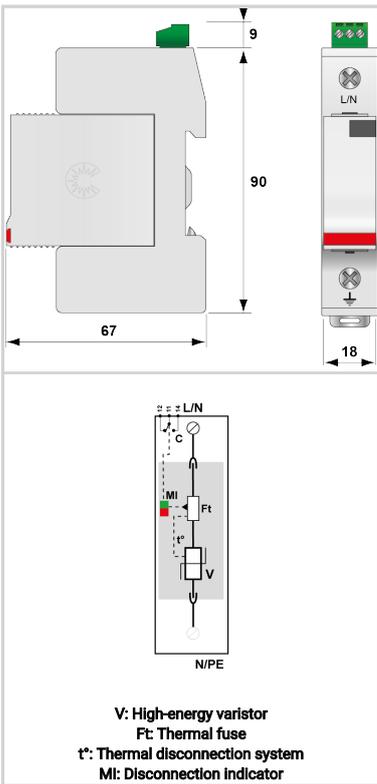
# CITEL

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

### DS41S-690



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



Electrical Characteristics		
Network		400/690 V
Nominal line voltage	Un	400 Vac
Max. AC operating voltage	Uc	760 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 or Differential Mode
POWER SPD TYPE		UL1449 TYPE 1 LISTED
VOLTS	(V)	400
AC/DC/DC PV/RF		AC
PHASE	(PH)	1
AMPS	(A)	N/A
AMBIENT MIN	(C)	-35
AMBIENT MAX	(C)	+85
MODES		L-G
VPR	(V)	2000
MCOV	(V)	750
IN <i>15 impulses 8/20μs</i>	(kA)	20
SCCR	(kA)	100
IMAX <i>8/20μs</i>	(kA)	40
limp <i>10/350μs</i>	(kA)	4
Mechanical Characteristics		
Technology		MOV
Connection to Network		By screw terminals: 2.5-25mm <sup>2</sup> / by bus
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Operating temperature	T <sub>u</sub>	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from AC network
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
Standards		
Certification		UL Listed
Environmental standards		EU RoHS
UL STANDARD		UL1449 5th Edition
UL CATEGORY		VZCA



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**UL TYPE 1 SPD - I<sub>max</sub> 40kA - In 20kA - Modular**

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**DS41S-690**

UL FILE NUMBER	E326289
STANDARDS	IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993
<b>Part number</b>	
<b>331811</b>	

