



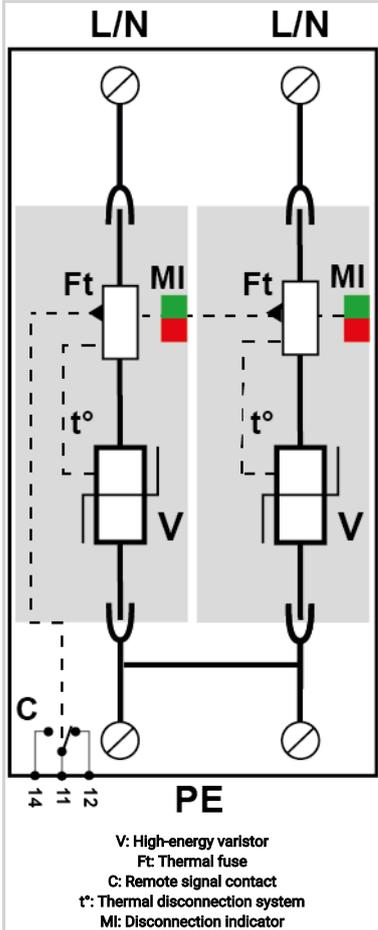
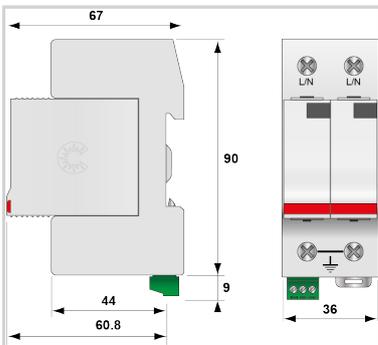
# CITEL

## UL TYPE 4CA SPD - I<sub>max</sub> 40kA - I<sub>n</sub> 20kA - Modular

### DS42S-230



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



#### Electrical Characteristics

Network		230 V single-phase
Nominal line voltage	Un	230 Vac
Max. AC operating voltage	Uc	255 Vac
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I <sub>max</sub>	40 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	I <sub>max</sub> Total	80 kA
Connection mode(s)		L/PE and N/PE
Protection mode(s)		Common mode
Residual voltage at 5 kA <i>@ 5 kA (8/20μs)</i>	Up-5kA	0.9 kV
Protection level N/PE <i>@ I<sub>n</sub> (8/20μs)</i>	Up N/PE	1.25 kV
POWER SPD TYPE		UL1449 5th Ed. TYPE 4CA
VOLTS	(V)	400/230
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-G
MLV	(V)	2730/-/1600/-
MCOV	(V)	480/-/275/-
I <sub>N</sub> <i>15 impulses 8/20μs</i>	(kA)	20
SCCR	(kA)	n/a
I <sub>MAX</sub> <i>8/20μs</i>	(kA)	40
I <sub>limp</sub> <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
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from AC network
TECHNOLOGY		MOV
NETWORK CONFIGURATION		1PH, 2W+G, Single Phase (or 2PH, 2W+G, Two 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		0.60 lbs
SPARE PART		DSM40-230

#### Standards

Certification		cRU <sup>®</sup> us
UL STANDARD		UL1449 5th Edition
UL CATEGORY		VZCA2, VZCA8



CITEL

**UL TYPE 4CA SPD - I<sub>max</sub> 40kA - In 20kA - Modular**

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**DS42S-230**

UL FILE NUMBER	E326289
STANDARDS	NOM-003-SCFI-2014, NOM-001-SCFI-1993
ENVIRONMENTAL STANDARDS	ROHS
<b>Part number</b>	
<b>461521</b>	

