



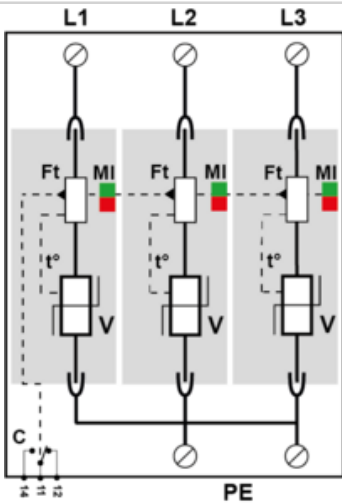
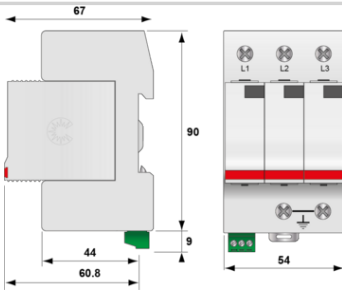
UL LISTED TYPE 1 SPD - I_{max} 40kA - I_n 20kA - Module

CITEL

DS43S-690



- Multi-MOV Technology
- UL1449 Type 1 LISTED
- 40kA Surge Current Rating per module
- Visual fault indicator and remote contacts
- 10-Year warranty



Electrical Characteristics

Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	I _{max} Total	120 kA
Protection mode(s)		Common mode/Differential mode
POWER SPD TYPE		UL1449 TYPE 1 LISTED
AC/DC/DC PV/RF		AC
PHASE	(PH)	3Y
AMPS	(A)	N/A
AMBIENT MIN	(C)	-40
AMBIENT MAX	(C)	+60
MODES		L-L, L-N, L-G, N-G
VPR	(V)	2500/1500/1500/1500
MCOV	(V)	680/420/420/420
IN 15 impulses 8/20μs	(kA)	20
SCCR	(kA)	n/a
IMAX 8/20μs	(kA)	40
I _{imp} 10/350μs	(kA)	4

Option

Remote status dry contact electrical ratingMax Voltage	V	250.0000
Remote status dry contact electrical ratingMax Current	A	0.5000
RFI Filter		no

Installation

Wiring type		Screw
Solid wire cross sectionMin	mm ²	2.5000
Solid Wire cross sectionMax	mm ²	35.0000
Stranded Wire cross sectionMin	mm ²	2.5000
Stranded wire cross sectionMax	mm ²	25.0000
Wire gaugeMin	AWG	13.0000
Wire gaugeMax	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 TemperatureMin	°C	-40.0000
Operating TemperatureMax	°C	85.0000
Operating TemperatureMin	°F	-40.0000
Operating TemperatureMax	°F	85.0000
Operating Relative HumidityMax	%RH	95
Operating AltitudeMin	Ft	2000.0000
Operating AltitudeMax	Ft	6500.0000
Housing/Enclosure material		Thermoplastic
Flammability ratingUL 94		V0
Mounting		Din Rail
IP Environmental rating/IP		IP20
NEMA Environmental ratingNEMA		NEMA 2
Installation Location		Indoor
Spare part		Module
Product DimensionL	mm	99.0000
Product DimensionH	mm	67.0000
Product DimensionW	mm	54.0000

Miscellaneous

Individual Pack		Yes
Storage TemperatureMin	°C	-40.0000
Storage TemperatureMax	°C	85.0000

DS43S-690

Storage Relative HumidityMax	%RH	95.0000
Mechanical Characteristics		
Weight		0.344 kg
TECHNOLOGY		MOV
NETWORK CONFIGURATION		3PH, 3W+G, Delta
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		CSA / UL Listed
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		
461823		