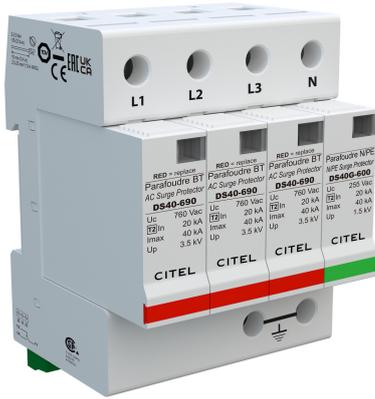




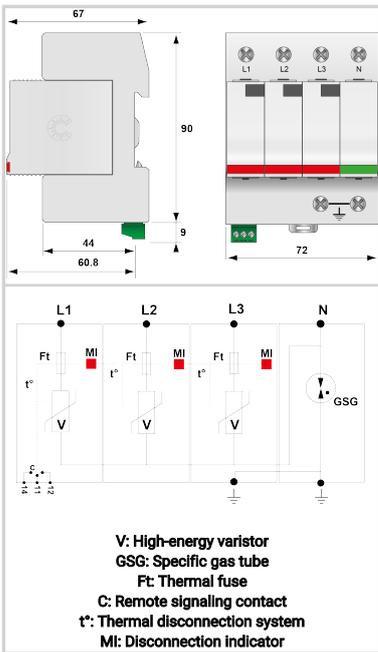
# CITEL



## Type 2 AC surge protector - 3-phase+N

### DS44S-690/G

- › Type 2 AC Multipolar surge protector
- › In : 20 kA
- › I<sub>max</sub> total : 40 kA
- › Pluggable module for each phase
- › Remote signaling
- › NF EN 61643-11, IEC 61643-11 compliance



#### Electrical Characteristics

SPD type	IEC	2
Network		230/400 V 3-phase+N
AC system		TT-TNS
Nominal line voltage	U <sub>n</sub>	400 Vac
Max. AC operating voltage	U <sub>c</sub>	760 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	1000 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	1325 Vac disconnection
Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection	UT	1200 V/300A/200 ms withstand
Residual Current Leakage current to Ground	I <sub>pe</sub>	None
Follow current	I <sub>f</sub>	None
Nominal discharge current 15 x 8/20 μs impulses	I <sub>n</sub>	20 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub>	40 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	I <sub>max</sub> Total	40 kA
Connection mode(s)		L/N and N/PE
Protection mode(s)		Common/Differential mode
Protection level L/N @ I <sub>n</sub> (8/20μs)	Up L/N	3.5 kV
Protection level N/PE @ I <sub>n</sub> (8/20μs)	Up N/PE	1.5 kV
Admissible short-circuit current	I <sub>sc</sub>	25 000 A

#### Mechanical Characteristics

Technology		MOV+GDT
SPD configuration		3-phase+Neutral
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)
Housing material		Thermoplastic UL94 V-0
Operating temperature	T <sub>u</sub>	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from AC network
Disconnection indicator		1 mechanical indicator by pole
Spare module(s)		DSM40-690+DSM40G-600
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram
Weight		0.331 kg

#### Disconnectors

Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		Fuses type gG - 50 A

#### Standards

Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification		/ TUV Süd

#### Part number

**461832**

