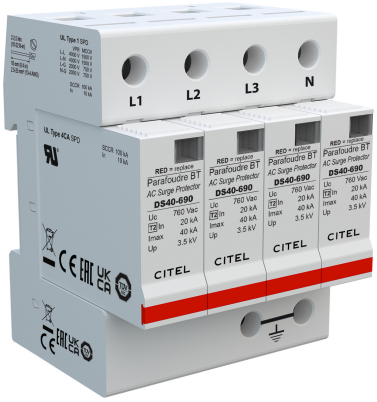
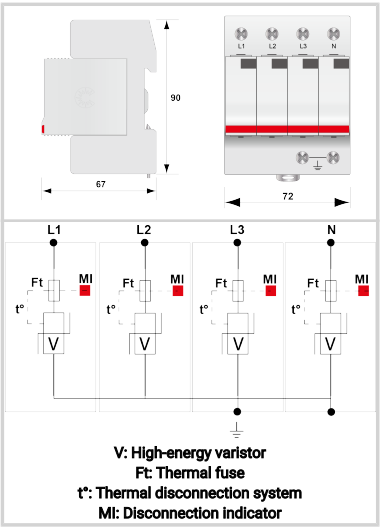
Type 2 AC surge protector - 3-phase+N

DS44-690



- IEC Type 2 AC Multipolar surge protector / UL Type 1
- In : IEC 20 kA / UL 10 kA
- Imax total : 40 kA
- Pluggable module for each phase
- Remote signaling option
- EN 61643-11, IEC 61643-11 compliance
- UL1449 ed.5



V: High-energy varistor
Ft: Thermal fuse
t°: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics		
SPD type	IEC	2
Network		400/690 V 3-phase+N
Max. AC operating voltage	Uc	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
Residual Current *Leakage current to Ground*	Ipe	< 1 mA
Follow current	If	None
Nominal discharge current *15 x 8/20 µs impulses*	In	20 kA
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	40 kA
Protection level N/PE *@ In (8/20µs)*	Up N/PE	3.5 kV
Protection level L/PE *@ In (8/20µs)*	Up L/PE	3.5 kV
Protection level N/PE at 5 kA *@ 5 kA (8/20µs)*	Up-5kA	2.6 kV
Residual voltage L/PE at 5 kA *@ 5 kA (8/20µs)*	Up-5kA	2.6 kV
Admissible short-circuit current	Isccr	25 000 A
UL Electrical Characteristics		
UL Category		UL Listed Type 1
Maximum Continuous Operating Voltage*(L-L/L-N)*	MCOV	1500 V
Maximum Continuous Operating Voltage*(L-G/N-G)*	MCOV	750 V
Voltage Protection Level*(L-L/L-N)*	VPR	4000 V
Voltage Protection Level*(L-G/N-G)*	VPR	2000 V
Nominal discharge current	In	10 kA
Short-Circuit Current Rating	SCCR	100 kA
Mechanical Characteristics		
Technology		MOV
SPD configuration		3-phase+Neutral
Connection to Network		By screw terminals: 2.5-25mm² / by bus
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from AC network
Disconnection indicator		1 mechanical indicator by pole
Spare module(s)		DSM40-690
Remote signaling of disconnection		option DS44S-690: output on changeover contact
Dimensions		See diagram
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
Certification		UL listed / TUV Süd
Part number		
461802		