

Type 2 Multi-Pole AC Surge Protectors

DS240 Series

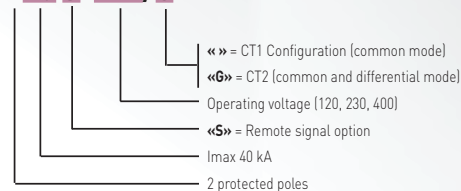
**Imax
40 kA**



DS240-400

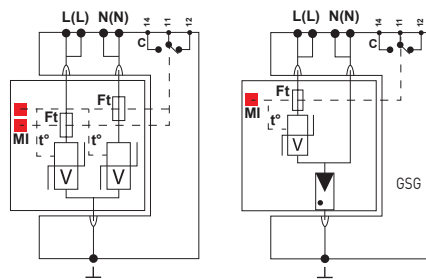
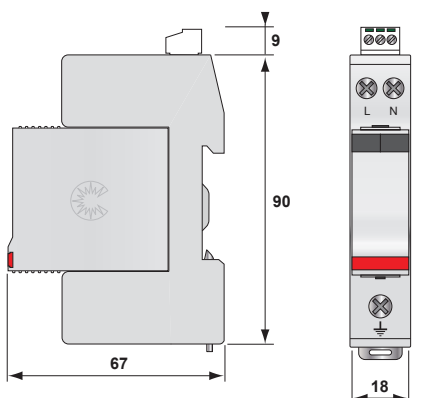
- **Type 2 AC Power Surge Protector**
- **Slim 18 mm Form Factor**
- **Individual Fault Indicator Windows**
- **Pluggable Module**
- **Imax : 40 kA at 8/20 μ s**
- **In : 20 kA at 8/20 μ s**
- **UL1449 3rd Edition Recognized**

DS240 S-xxx/G



Dimensions and Electrical Diagrams

(in mm)



DS240S-xxx

DS240S-xxx/G

V : High energy varistor
 GSG : Gas-Filled Spark Gap
 t° : Thermal disconnection system
 Ft : Thermal fuse
 MI : Disconnection indicator
 C : Remote signaling contact

Characteristics

CITEL Part Number		DS240S-400	DS240S-230/G	DS240S-120/G
Single-phase AC network voltage		220-347V	230-277V	120-127V
Neutral configuration		Single/Split	Single phase	Single phase
Max. operating voltage	Mcov	420 Vac	275 Vac	150 Vac
Temporary overvoltage withstand	Ur	770 Vac	440 Vac	230 Vac
Operating current	Ic	< 1 mA	none	none
Protection modes		CM ^[2]	CM/DM ^[2]	CM/DM ^[2]
Nominal discharge current 15 x 8/20 μs impulse	In	20 kA	20 kA	20 kA
Maximum discharge current 8/20 μs withstand	Imax	40 kA	40 kA	40 kA
Protection level at In [CM/DM ^[2]]	Up-In	1.8 kV	1.5/1.25 kV [2]	1.5/0.9 kV [2]
Voltage protection rating	Vpr	1500 V	900 V	600 V
Short-circuit current rating	Sccr	100,000 A	100,000 A	100,000 A
Associated Disconnection Devices				
Thermal disconnector		Internal		
Fuses		Fuses type gG - 50 A max. [see Note 1]		
Installation ground fault breaker		Type «S» or delayed		
Mechanical Characteristics				
Dimensions		See diagram		
Connection		by screw terminals : 1,5-10 mm ² [L/N] or 2,5-25 mm ² [PE]		
Disconnection indicator		2 [or 1] mechanical indicators		
Remote signaling of disconnection		Option DS240S - output on changeover contact		
Mounting		symmetrical rail 35 mm		
Operating temperature		-40/+85 °C		
Protection class		IP20		
Housing material		Thermoplastic UL94-V0		
Standards Compliance				
NF EN 61643-11: France		Parafoudre Basse Tension - Essais Classe II		
IEC 61643-11: International		Low Voltage SPD - Test Class II		
EN 61643-11: Europe		Low Voltage SPD - Test Class II		
UL1449 3rd Edition: USA		Type 4, for use in Type 2 Locations		
Part Number				
DS240S-400		311411		
DS240S-230/G		311731		
DS240S-120/G		311631		

Note 1: Rating in compliance with NF C15-100 art. 534.1.5.3. An order to increase service continuity, higher rating can be used (up to 125 A). For further information, please consult product instructions.

Note 2: CM = Common mode (L/PE ou N/PE) / DM = Differential mode (L/N)

