

## 1-phase Type 2 Surge Protector DS240 series

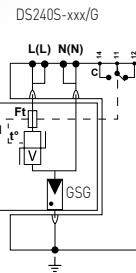
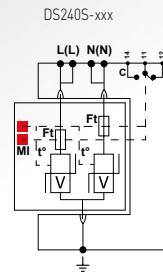
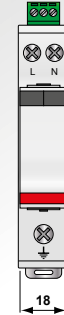
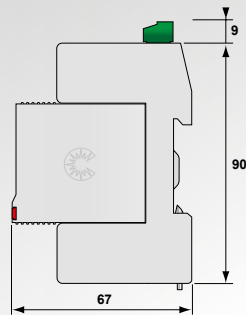


# CITEL

**Imax  
40 kA**



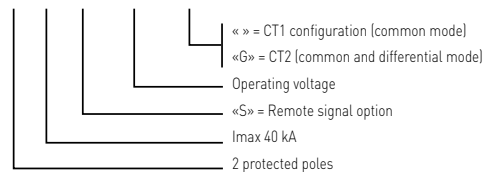
DS240-400



V : High energy varistor  
Ft : Thermal fuse  
MI : Remote signaling contact  
t° : Thermal disconnection system  
GSG : Specific gas tube  
MI : Disconnection indicator

- Compact single-phase Type 2
- In : 20 kA
- Imax : 40 kA
- Common/Differential mode
- Pluggable module
- Remote signaling contact (option)
- Complies with EN 61643-11 and IEC 61643-11
- UL1449 ed.4

### DS240 S-xxx/G



## Characteristics

CITEL Model	DS240-400	DS240-230	DS240-230/G	DS240-120	DS240-120/G
Description	Compact 1-phase Type 2 Surge Protector - 230 V - Pluggable			Compact 1-phase Type 2 Surge Protector - 120 V - Pluggable	
Network	230 V single phase	230 V single phase	230 V single phase	120 V single phase	120 V single phase
Connection mode	L/PE and N/PE	L/PE and N/PE	L/N and N/PE	L/PE and N/PE	L/N and N/PE
AC system	IT	TN	TT-TN	TN	TT-TN
Max. AC operating voltage	Uc 440 Vac	255 Vac	255 Vac	150 Vac	150 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec.	UT 580 Vac withstand	335 Vac withstand	335 Vac withstand	180 Vac withstand	180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn	UT 770 Vac disconnection	440 Vac disconnection	440 Vac disconnection	230 Vac disconnection	230 Vac disconnection
Temporary Over Voltage N/PE (TOV HT)	UT -	-	1200 V/300A/200 ms withstand	-	1200 V/300A/200 ms withstand
Residual current - Leakage current at Uc	Ipe < 1 mA	< 1 mA	None	< 1 mA	None
Max. Load current (if connection serie)	IL 20 A	20 A	20 A	20 A	20 A
Follow current	If None	None	None	None	None
Nominal discharge current - 15 x 8/20 µs impulses	In 20 kA	20 kA	20 kA	20 kA	20 kA
Max. discharge current - max. withstand @ 8/20 µs by pole	Imax 40 kA	40 kA	40 kA	40 kA	40 kA
Protection level CM/DM @In (8/20µs) and @ 6kV (1.2/50µs)	Up 1.8 kV	1.25 kV	1.5/1.25 kV	0.9 kV	1.5/0.9 kV
Admissible short-circuit current	Iscrr 10000 A	10000 A	10000 A	10000 A	10000 A
<b>Associated disconnectors</b>					
Thermal disconnector	internal				
Fuses	Fuses Type gG - 50 A*				
Installation ground fault breaker	Type "S" or delayed				
<b>Mechanical characteristics</b>					
Dimensions	see diagram				
Connection to Network	by screw terminals: 1.5-10mm <sup>2</sup> (L/N) or 2.5-25mm <sup>2</sup> (PE)				
Disconnection indicator	2 mechanical indicators	2 mechanical indicators	1 mechanical indicator	2 mechanical indicators	1 mechanical indicator
Remote signaling of disconnection	Option DS240S-400 : output on changeover contact	Option DS240S-230 : output on changeover contact	Option DS240S-230/G : output on changeover contact	Option DS240S-120 : output on changeover contact	Option DS240S-120/G : output on changeover contact
Spare unit	DSM240-400	DSM240-230	DSM240-230/G	DSM240-120	DSM240-120/G
Mounting	Symmetrical rail 35 mm (EN60715)				
Operating temperature	-40/+85°C				
Protection rating	IP20				
Housing material	Thermoplastic UL94-V0				
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.4/EN 50539-11				
Certification	UL / CSA / EAC	UL / CSA / EAC	UL / CSA / EAC / TUV SUD	UL / CSA / EAC	UL / CSA / EAC
<b>Part number</b>	311401	311701	311721	311601	311621

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

\*\*Note: CM = Common mode (L/PE or N/PE)/ DM = Differential mode (L/N)

