

1-phase Type 2 Surge Protector DS240 series

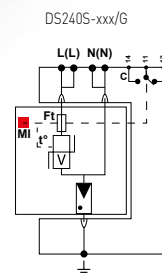
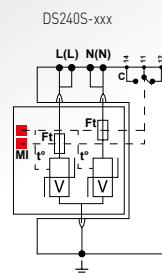
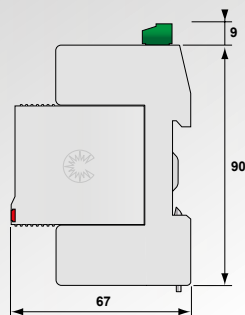


CITEL

**Imax
40 kA**



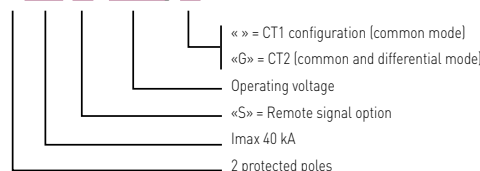
DS240-400



V : High energy varistor
Ft : Thermal fuse
MI : Remote signaling contact
t° : Thermal disconnection system
GDT : Gas discharge tube N/PE
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 120mn	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
Associated disconnectors					
Thermal disconnector	internal				
Fuses	Fuses Type gG - 50 A				
Installation ground fault breaker	Type "S" or delayed				
Mechanical characteristics					
Dimensions	see diagram				
Connection to Network	by screw terminals: 1.5-10mm ² (L/N) or 2.5-25mm ² (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 / NF EN 61643-11 / UL1449 ed.4/EN 50539-11				
Certification	UL/ CSA /GOST	UL/ CSA /GOST	UL/ CSA /GOST/TUV SUD	UL/ CSA /GOST	UL/ CSA /GOST
Part number	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)

