

1-phase Type 2 (or 3) Surge Protector DS215 series

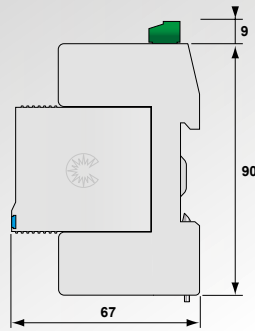


CITEL

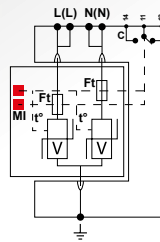
**Imax
15 kA**



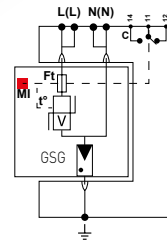
DS215-230



DS215S-xxx



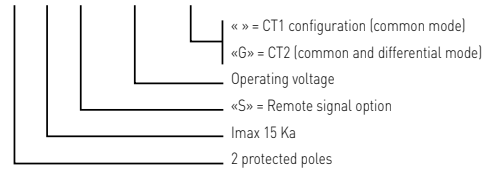
DS215S-xxx/G



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 SPD
- In : 5 kA
- Imax : 15 kA
- Common/Differential mode
- Pluggable module
- Remote signaling contact (option)
- IEC 61643-11 and EN 61643-11 compliance
- UL1449 ed.4

DS215 S-xxx/G



Characteristics

CITEL Model	DS215-400	DS215-230	DS215-230/G	DS215-120	DS215-120/G
Description	Compact 1-phase Type 2 (or 3) surge protector - 230 V -Pluggable			Compact 1-phase Type 2 (or 3) surge protector - 120 V -Pluggable	
Network	230 V single phase	230 V single phase	230 V single phase	230 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 5 kA	5 kA	5 kA	5 kA	5 kA
Max. discharge current -max. withstand @ 8/20 µs by pole	Imax 15 kA	15 kA	15 kA	15 kA	15 kA
Withstand on overvoltages IEEE C62.41.1	Uoc 10 kV	10 kV	10 kV	10 kV	10 kV
Protection level CM/DM @In (8/20µs) and @ 6kV (1.2/50µs)	Up 1.3 kV	0.9 kV	1.5/0.9 kV	0.6 kV	1.5/0.6 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 - 20A*				
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		1 mechanical indicator	2 mechanical indicators	1 mechanical indicator
Remote signaling of disconnection	Option DS215S-400 : output on changeover contact	Option DS215S-230 : output on changeover contact	Option DS215S-230/G : output on changeover contact	Option DS215S-120 : output on changeover contact	Option DS215S-120/G : output on changeover contact
Spare unit	DSM215-400		DSM215-230/G	DSM215-120	DSM215-120/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				
Certification	UL / CSA / EAC				
Part number	451401	451701	451721	451601	451621

*Note: Rating in compliance with nominal discharge current. In order to increase service continuity, higher rating can be used. For further information, please consult product instructions.
Note: MC = Common mode (L/PE or N/PE)/ MD = Differential mode (L/N)

