

# Type 1 + 2 + 3 AC Surge Protector DS130VG series

**limp  
12.5 kA**



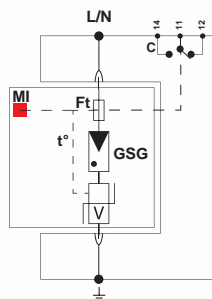
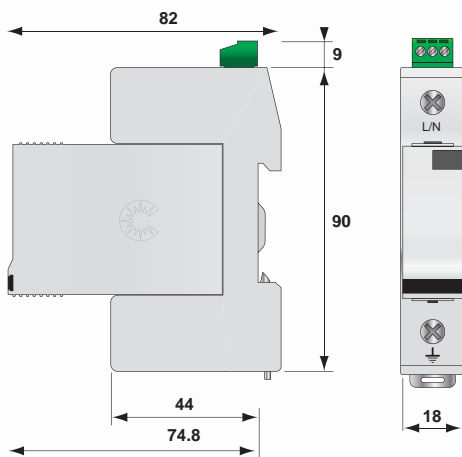
DS132VG-120



- **Type 1 + 2 + 3 AC surge protector**
- **In : 20 kA**
- **limp : 12,5 kA**
- **Pluggable module**
- **Remote signaling (option)**
- **Optimized to TOV**
- **EN 61643-11, IEC 61643-11 and UL1449 ed.3 compliance**

## Dimensions - Electrical Diagram

(in mm)



V : High energy MOV  
Mi : Disconnection indicator  
Ft : Thermal fuse  
t° : Thermal disconnection mechanism  
C : contac for remote signal

## Characteristics

CITEL part number		DS131VG-230	DS131VG-120
AC network		230/400V	120/208V
Max. operating voltage	Uc	255 Vac	150 Vac
TOV withstand	U <sub>T</sub>	450 Vac	230 Vac
Operating current	Ic	none	none
Leakage current at Uc			
Follow current	If	none	none
Nominal discharge current 15 x 8/20 µs impulse	In	20 kA	20 kA
Max. discharge current max. withstand at 8/20 µs	I <sub>max</sub>	50 kA	50 kA
Max. lightning current by pole max. withstand at 10/350 µs	I <sub>limp</sub>	12.5 kA	12.5 kA
Combination waveform test Class III test	Uoc	20 kV	20 kV
Residual voltage (at limp)	Up-in	0.6 kV	0.4 kV
Protection level (at 6kV-1.2/50µs)	Up	1.25 kV	1.25 kV
Admissible short-circuit current	I <sub>sc</sub>	25000 A	25000 A

### Associated disconnectors

Thermal disconnector	internal
Fuses	Fuses type gG - 125 A (see Note 1)
Installation ground fault breaker	Type «S» or delayed

### Mechanical characteristics

Dimensions	see diagram
Connection	by screw terminals : 2.5-25 mm <sup>2</sup> / by bus
Disconnection indicator	1 mechanical indicator
Remote signaling	output on changeover contact
Mounting	symmetrical rail 35 mm
Operating temperature	-40/+85 °C
Protection class	IP20
Housing material	Thermoplastic UL94-V0

### Standard compliance

NF EN 61643-11	France	Parafoudre BT - Essai Classe I, II et III
IEC 61643-11	International	Low Voltage SPD - Test Class I, II and III
EN 61643-11	Europe	Low Voltage SPD - Test Class I, II and III
UL1449 ed.3	USA	Low voltage SPD

### Part number

DS131VG-230	571551
DS131VG-120	571651

Note 1: Rating in compliance with NF C15-100 art. 534.1.5.3. In order to increase service continuity, higher rating can be used (160A). For further information, please consult product instructions.



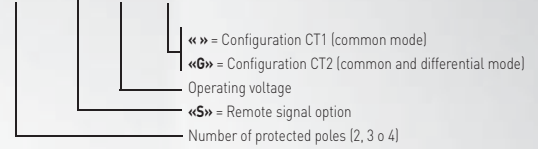
# Type 1 + 2 + 3 AC Multipolar Surge Protector DS132VG, DS133VG, DS134VG



DS134VG-230/G

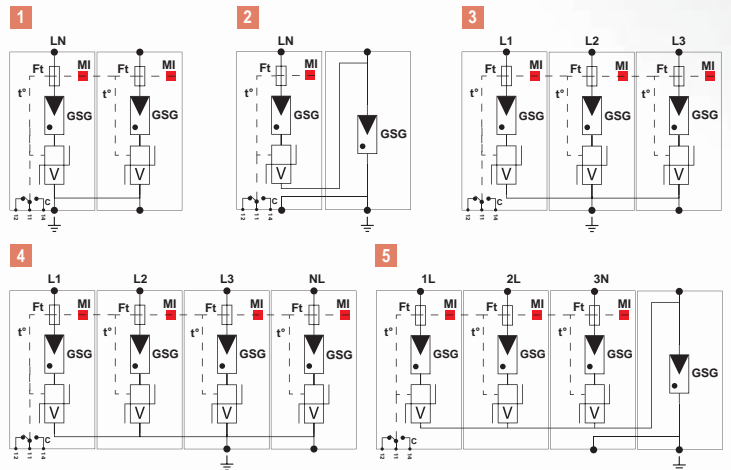
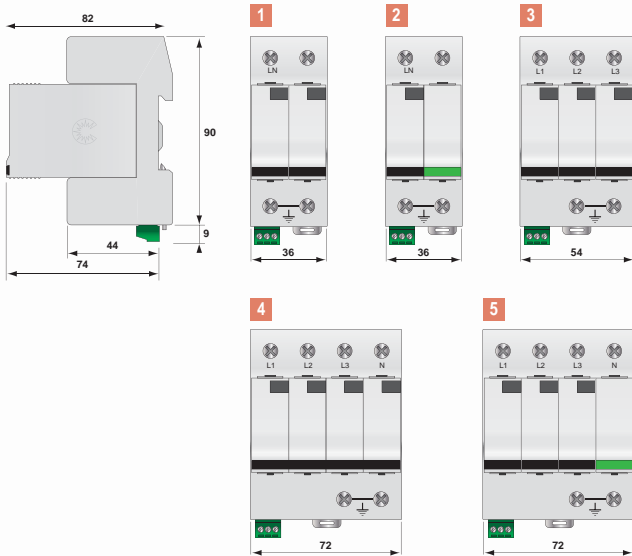


DS13x VGS-xxx/G



## Dimensions - Electrical Diagram

(in mm)



References	Part number	Network	AC system	Protection mode		Iimp total	Up L/PE	Up L/N	Diagram
				common	differential				
DS134VG-230/G	571564	230/400 V 3-phase+N	TT-TNS	●	●	50 kA	1.5 kV	1.25 kV	5
DS134VG-120/G	571664	120/208 V 3-phase+N	TT-TNS	●	●	50 kA	1.5 kV	1.25kV	
DS134VG-230	571554	230/400 V 3-phase+N	TNS	●		50 kA	1.25 kV	-	4
DS134VG-120	571654	120/208 V 3-phase+N	TNS	●		50 kA	1.25 kV	-	
DS133VG-230	571563	400 V 3-phase	TNC	●		37,5 kA	1.25 kV	-	3
DS133VG-120	571663	208 V 3-phase	TNC	●		37,5 kA	1.25 kV	-	
DS132VG-230/G	571552	230 V single phase	TT-TN	●	●	25 kA	1.5 kV	1.25kV	2
DS132VG-120/G	571652	120 V single phase	TT-TN	●	●	25 kA	1.5 kV	1.25kV	
DS132VG-230	571562	230 V single phase	TN	●		25 kA	1.25 kV	-	1
DS132VG-120	571662	120 V single phase	TN	●		25 kA	1.25 kV	-	