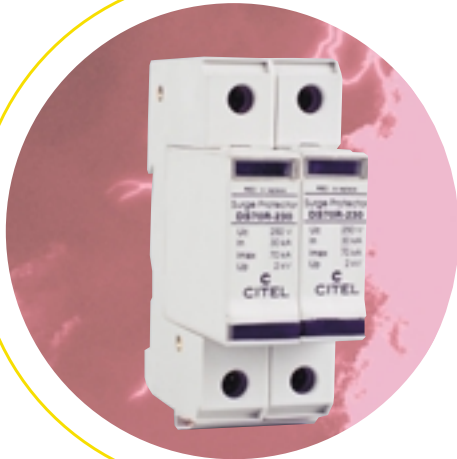




Single- and 3-phase AC surge protector

DS70R



DS70R surge protectors are used mainly for primary protection of especially vulnerable single- and three-phase networks. Each pluggable module provides heavy-duty protection (I_{max} : 70kA) with two calibrated disconnection levels for redundancy. The products are available in single-phase and three-phase+neutral versions and with a remote signaling option (DS7*RS).

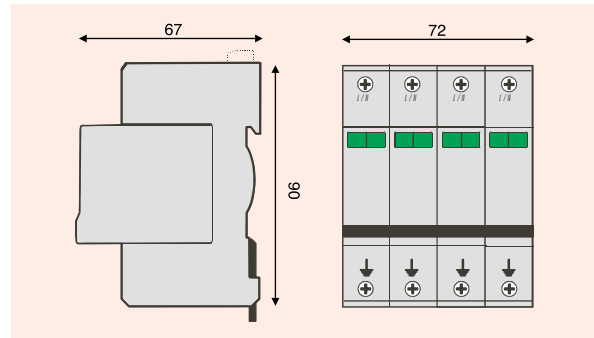
- Primary AC surge protector
- Redundancy function
- Discharge currents
In: 30 kA/ I_{max} : 70 kA
- Individual pluggable module for each phase

Common part numbers*

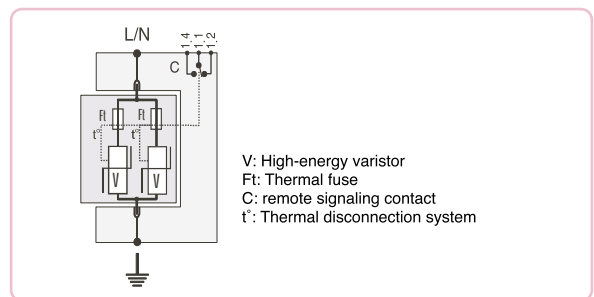
DS72R-230	Single phase (L/N)
DS74R-230	3-phase + Neutral (3 L/N)
DS72RS-230	Single phase + remote signaling
DS74RS-230	3-phase + remote signaling
DSM70R-230	Plug-in 230V module
DSB12	Base for DSM70R module
DSB12-S2	Base with remote signaling

(*) Exhaustive list on page D5

Dimensions (in mm)



Electrical diagram



Characteristics

CITEL part number	DS70R-400	DS70R-230	DS70R-120
Type of network	230/400V	230/400V	120/208V
Neutral configuration	TT-TN-IT	TT-TN	TT-TN
Nominal voltage	U_n 400V rms	230V rms	120V rms
Max. operating voltage	U_c 440V rms	250V rms	150V rms
Operating current leakage current at U_c	I_c < 1 mA	< 1 mA	< 1 mA
Nominal discharge current 15 x 8/20 μ s impulses	I_n 30 kA	30 kA	30 kA
Maximum discharge current 1 x 8/20 μ s impulse	I_{max} 70 kA	70 kA	70 kA
Protection level residual voltage at I_n	U_p 2,5 kV	2 kV	1,5 kV
Admissible short-circuit current	I_{cc} 25 000A	25 000A	25 000A
Associated disconnection devices			
Thermal disconnector Internal	Internal		
Fuses or circuit-breaker	Type gG fuse, 100A		
Installation ground fault breaker	Type "S" or delayed		
Mechanical characteristics			
Dimensions	see diagram		
I/O connections	- by screw terminals, 4 to 25mm ² - by connection bus		
Disconnection indicator	Double mechanical indicator		
Remote signaling of disconnection	Option (DS7*RS)		
Mounting	Symmetrical rail (EN50022/DIN46277-3)		
Operating temperature	-40/+85 °C		
Enclosure material	Polycarbonate UL94V0		
Standards compliance			
IEC 61643-11	International	Low voltage SPD (Test Class II)	
NFC 61740	France	Parafoudre Basse Tension	
VDE 0675-6	Germany	Überspannungableiter (class C)	

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