

## DC power surge protector DS2x0-xxDC series

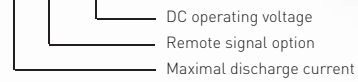
**Imax  
20-40 kA**



DS230-48DC

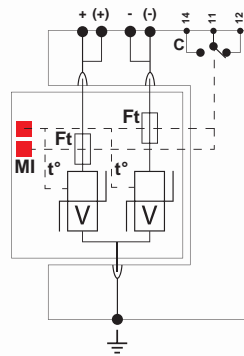
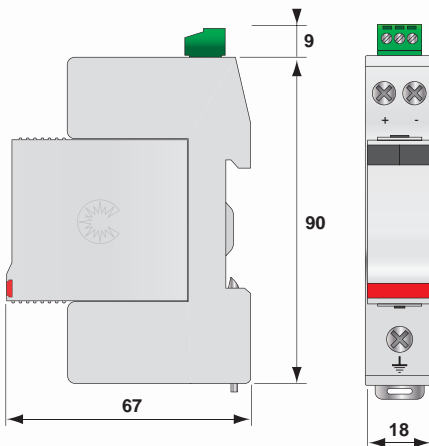
- From 12 to 350 Vdc
- Very low Up protection level
- Compact design
- Imax: 20 to 40 kA
- Pluggable module
- Remote signaling (option)

DS2xx S-xxxDC



## Dimensions and Diagram

(en mm)



C: Remote signalling contact  
V: Varistor  
Ft: Thermal fuse  
t°: Thermal disconnection system



# DC power surge protector

## DS2x0-xxDC series

### Characteristics

CITEL part number		DS220-12DC	DS220-24DC	DS230-48DC	DS240-75DC	DS240-95DC	DS240-110DC	DS240-130DC	DS240-220DC	DS240-280DC	DS240-350DC
Nominale DC voltage	Un	12 Vdc	24 Vdc	48 Vdc	75 Vdc	95 Vdc	110 Vdc	130 Vdc	220 Vdc	280 Vdc	350 Vdc
Max. DC operating voltage	Uc	24 Vdc	38 Vdc	65 Vdc	100 Vdc	125 Vdc	150 Vdc	180 Vdc	275 Vdc	350 Vdc	460 Vdc
Max. AC operating voltage	Uc	20 Vac	30 Vac	50 Vac	75 Vac	95 Vac	115 Vac	150 Vac	210 Vac	275 Vac	350 Vac
Nominal discharge current	In	10 kA	10 kA	15 kA	20 kA	20 kA	20 kA	20 kA	20 kA	20 kA	20 kA
Maximal discharge current	Imax	20 kA	20 kA	30 kA	40 kA	40 kA	40 kA	40 kA	40 kA	40 kA	40 kA
Protection level @ In	Up	250 V	250 V	300 V	390 V	450 V	500 V	620 V	900 V	1200 V	1400 V
Residual voltage @ 3kA		195 V	195 V	230 V	280 V	310 V	370 V	510 V	690 V	920 V	1000 V
<b>Associated disconnection devices</b>											
Thermal disconnectors		internal	internal	internal	internal	internal	internal	internal	internal	internal	internal
Fuses (if necessary)		20A gG	20A gG	20A gG	50A gG	50A gG	50A gG	50A gG	50A gG	50A gG	50A gG
<b>Mechanical characteristics</b>											
Dimensions		see diagram									
Wiring to network		by screw terminals 1,5-10mm <sup>2</sup> (active wires) and 2,5-25mm <sup>2</sup> (ground)									
Disconnection indicator		2 mechanical indicators									
Replacement module		pluggable module DSM2x0-xxDC									
Remote signalling		option (DS2x0S-xxDC) - output on changeover contact									
Mounting		symmetrical rail									
Operating temperature		-40/+85°C									
Protection class		IP 20									
Housing material		thermoplastic UL94-V0									
<b>Standards compliance</b>											
International	IEC 61643-11	Low voltage SPD - Test Class II									
Europe	EN 61643-11	Low voltage SPD - Test Class II									
USA - Canada	UL1449 3rd Edition	Type 4, Type 2 Location									
<b>Part number</b>											
		390101	390501	390401	310601	310301	310701	310801	310201	310501	310901



**CITEL**

CITEL • 2 rue Troyon • 92316 Sèvres Cedex • France • Tel.: +33 1 41 23 50 23 • Fax: +33 1 41 23 50 09 • e-mail: contact@citel2cp.com • www.citel2cp.com  
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