

DC power surge protector DS210-xxDC series

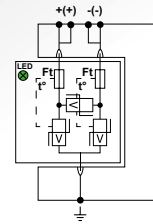
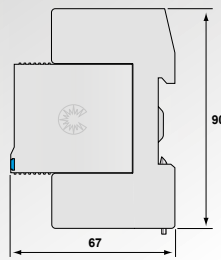


CITEL

I_{max}
2-6 kA



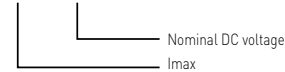
DS210-24DC



V: Varistor
Ft: Thermal fuse
t°: Thermal disconnection system
LED : Disconnection indicator

- Surge protector for DC or PV supplies
- From 12 to 130V
- Discharge currents : I_{max} : 2 to 6 kA
- Operating indicator
- Pluggable module
- EN 61643-11, CEI 61643-11 and UL1449 ed.4 compliance

DS210-xxxDC



Characteristics

CITEL Model		DS210-12DC	DS210-24DC	DS210-48DC	DS210-75DC	DS210-95DC	DS210-110DC	DS210-130DC
Description		DC or PV power surge protector						
Network		12 Vdc	24 Vdc	48 Vdc	75 Vdc	95 Vdc	110 Vdc	130 Vdc
Connection mode		+/-/PE	+/-/PE	+/-/PE	+/-/PE	+/-/PE	+/-/PE	+/-/PE
Protection mode(s)		CM/DM	CM/DM	CM/DM	CM/DM	CM/DM	CM/DM	CM/DM
Max. DC operating voltage	Uc	15 Vdc	30 Vdc	56 Vdc	85 Vdc	100 Vdc	125 vdc	150 Vdc
Max. AC operating voltage	Uc	10 Vac	15 Vac	40 Vac	60 Vac	75 Vac	95 Vac	115 Vac
Residual current - <i>Leakage current at Uc</i>	Ipe	< 0.1 mA	< 0.1 mA	< 0.1 mA	< 0.1 mA	< 0.1 mA	< 0.1 mA	< 0.1 mA
Max. Load current <i>(if connection serie)</i>	IL	20 A	20 A	20 A	20 A	20 A	20 A	20 A
Nominal discharge current - <i>15 x 8/20 μs impulses</i>	In	1 kA	1 kA	2 kA	2 kA	2 kA	2 kA	2 kA
Max. discharge current - <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	2 kA	2 kA	6 kA	6 kA	6 kA	6 kA	6 kA
CM Protection level @ In	Up	85 V	105 V	180 V	250 V	300 V	350 V	400 V
Associated disconnectors								
Thermal disconnector		internal						
Fuses (if needed)		Fuses type gG- 10 A						
Mechanical characteristics								
Dimensions		see diagram						
Connection to Network		by screw terminals: 1.5-10mm² (actives wires) and 2.5-25mm² (ground)						
Disconnection indicator		Green led off						
Spare unit		DSM210-12DC	DSM210-24DC	DSM210-48DC	DSM210-75DC	DSM210-95DC	DSM210-110DC	DSM210-130DC
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						
Part number		440201	440301	440401	440601	441001	440901	440602

