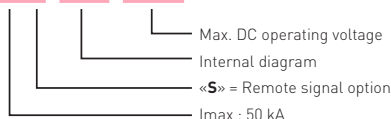


DDC50-21Y SERIES



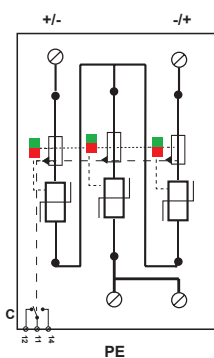
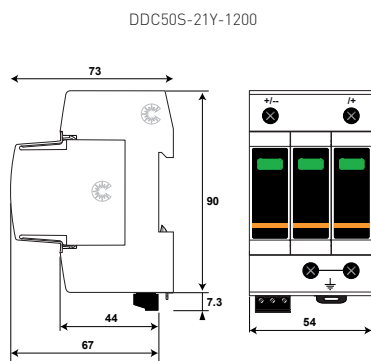
- DC power Type 2 SPD
- for Energy Storage System/EV Charging
- up to 1200 V DC voltage
- In/Imax : 20/50 kA
- Pluggable modules
- Remote signaling (option)
- prIEC 61643-41 compliance

DDC50S-21Y-xxxx



Characteristics

CITEL Model		DDC50-21Y-500	DDC50-21Y-800	DDC50-21Y-1200	DDC50-21Y-1500
Description		DC power surge protector			
Nominal DC voltage	Un	450 Vdc	650 Vdc	1000 Vdc	1200 Vdc
Max. DC operating voltage	Uc	500 Vdc	800 Vdc	1200 Vdc	1500 Vdc
Residual current <i>Leakage current at Uc</i>	Ipe	< 0.1 mA	< 0.1 mA	< 0.1 mA	< 0.1 mA
Nominal discharge current <i>15 x 8/20 µs impulses</i>	In	20 kA	20 kA	20 kA	20 kA
Max. discharge current <i>max. withstand @ 8/20 µs by pole</i>	Imax	50 kA	50 kA	50 kA	50 kA
Max. lightning current by pole <i>max. withstand @ 10/350µs</i>	Iimp	4 kA	4 kA	4 kA	4 kA
Protection level @ In (8/20µs) +/-PE [I/+PE]	Up	2.1kV	2.7 kV	3.6 kV	5.1 kV
Protection level @ In (8/20µs) +/-	Up	2.1 kV	2.7 kV	3.6 kV	5.1 kV
Admissible Short circuit current	Iscrr	100 kA	100 kA	100 kA	100 kA
Associated disconnectors					
Thermal disconnector		internal			
Fuses		50 A min. (Iscrr 100 kA)- 125 A max. (Iscrr 50 kA) - high voltage DC Fuses			
Mechanical characteristics					
Dimensions		see diagram - 3 TE (EN43880)			
Connection to Network		Screw terminals: 2.5-25 mm²			
Failsafe mode		Disconnection from network			
Disconnection indicator		3 mechanical indicators Green/Red			
Remote signaling of disconnection output on changeover contact		option DDC50S-21Y-440	option DDC50S-21Y-800	option DDC50S-21Y-1200	option DDC50S-21Y-1500
Max. voltage/current for remote signaling		250 V/0.5 A (AC) / 30 V/2 A (DC)			
Wiring for remote signaling		Max. 1.5 mm²			
Mounting		Symmetrical rail 35 mm (EN60715)			
Operating temperature		-40/+85°C			
Protection rating		IP20			
Housing material		Thermoplastic UL94-V0			
Spare unit		MDDC50-500	MDDC50-800	MDDC50-1200	MDDC50-1500
Standards					
Compliance		prIEC 61643-41 - IEC61643-11			
Part Number					
		-	-	828511563	828511663



V: High-energy varistor
Ft: Thermal fuse
C: Remote signaling contact
t°: Thermal disconnection system
Mi : Disconnection indicator

