



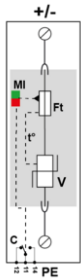
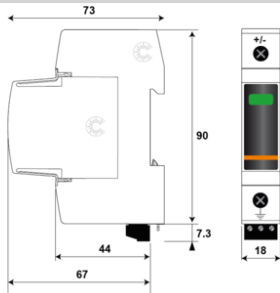
# CITEL

## 1-pole Type 1 and Type 2 SPD for 48 Vdc

### DDC30S-10-65



- Combined SPD for DC supplies, 1-pole
- Type 1 + 2
- In: 15 kA / I<sub>max</sub>: 30 kA
- I<sub>imp</sub>: 4kA
- Pluggable module
- Remote signaling
- prIEC 61643-41 compliance



V: High-energy varistor  
 Ft: Thermal fuse  
 C: Remote signal contact  
 t\*: Thermal disconnection system  
 MI: Disconnection indicator

Electrical Characteristics		
SPD type		1+2
Nominal DC voltage	Un-dc	48 Vdc
Max. AC operating voltage	Uc	50 Vac
Max. DC operating voltage	Uc	65 Vdc
Residual Current Leakage current to Ground	I <sub>pe</sub>	< 0.1 mA
Follow current	I <sub>f</sub>	None
Nominal discharge current 15 x 8/20 μs impulses	I <sub>n</sub>	15 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub>	30 kA
Impulse current by pole max. withstand 10/350μs by pole	I <sub>imp</sub>	4 kA
Connection mode(s)		+/-PE or -/PE
Protection level +/-PE (-/PE) @ I <sub>n</sub> (8/20μs)	U <sub>p</sub>	300 V / -
Admissible short-circuit current	I <sub>sc</sub>	50 000 A
Mechanical Characteristics		
Technology		MOV
SPD configuration		Single phase
Connection to Network		Srew terminals: 2.5-25mm <sup>2</sup> +/- 1.5-10mm <sup>2</sup>
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	T <sub>u</sub>	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from DC network
Disconnection indicator		1 mechanical indicator - Red/Green
Spare module(s)		MDDC30-65
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram - 1TE (EN43880)
Weight		0.096 kg
Disconnectors		
Thermal disconnector		Internal
Back-up protection device		50 A min. - 125 A max. - Fuses Type gG
Standards		
Standards compliance		prIEC 61643-41
Part number		
828110121		

