



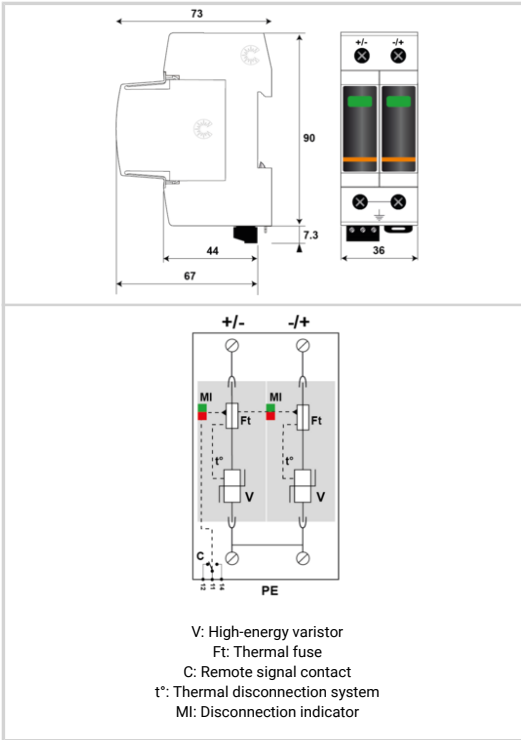
# 1-pole Type 1 and Type 2 SPD for 48 Vdc

# CITEL

## DDC30S-20-85



- Combined SPD for DC supplies, 2-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



Electrical Characteristics	
SPD type	1+2
Nominal DC voltage	Un-dc 75 Vdc
Max. AC operating voltage	Uc 60 Vac
Max. DC operating voltage	Uc 85 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> 20 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
Total lightning current max. total withstand @ 10/350μs	I <sub>total</sub> 8 kA
Connection mode(s)	+/-PE and -/PE
Protection level +/-PE (-/PE) @ I <sub>n</sub> (8/20μs)	U <sub>p</sub> 390 V / 780 V
Admissible short-circuit current	I <sub>scrr</sub> 50 000 A
Mechanical Characteristics	
Technology	MOV
SPD configuration	2-poles
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	2 mechanical indicators - Red/Green
Spare module(s)	MDDC30-85
Remote signaling of disconnection	Output on changeover contact
Wiring for remote signaling	1.5 mm <sup>2</sup> max.
Max. Voltage/Current for remote signaling	250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions	See diagram - 2TE (EN43880)
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	
828110222	

