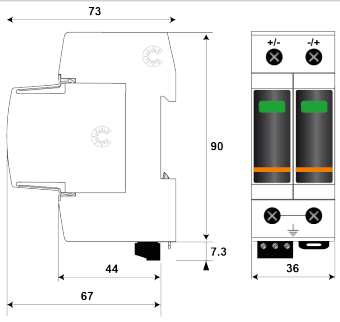
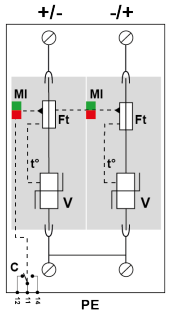
1-pole Type 1 and Type 2 SPD for 48 Vdc

DDC30S-20-85



- Combined SPD for DC supplies, 2-pole
- Type 1 + 2
- In: 15 kA / Imax: 30 kA
- Iimp: 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	IEC	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*	Ipe	< 0.2 mA
Follow current	If	None
Nominal discharge current *15 x 8/20 µs impulses*	In	20 kA
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	30 kA
Impulse current by pole *max. withstand 10/350µs by pole*	Iimp	4 kA
Total lightning current *max. total withstand @ 10/350µs*	Itotal	8 kA
Connection mode(s)		+/PE and -/PE
Protection level +/PE (-/PE) *@ In (8/20µs)*	Up	390 V / 780 V
Admissible short-circuit current	Isccr	50 000 A
Mechanical Characteristics		
Technology		MOV
SPD configuration		2-poles
Connection to Network		Srew terminals: 2.5-25mm² +/-: 1.5-10mm²
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-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 mm² 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		