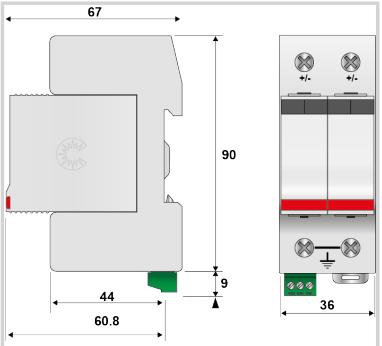
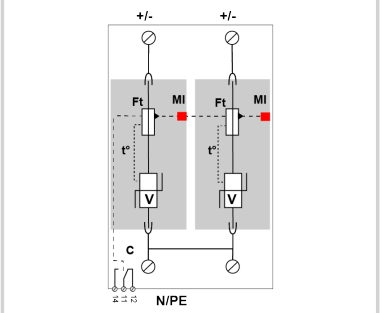
2-Pole 48 Vdc surge protector

DS42-48DC



- **Discover our latest innovation : the DDC30-20-65**
- 2-pole 48 Vdc surge protector
- In 15 kA / Imax 30 kA
- Pluggable module
- Remote signaling
- IEC 61643-11 and EN 61643-11 compliance
- UL1449 ed.5 approved





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
Network		48 Vdc
Nominal line voltage	Un	48 Vdc
Nominal DC voltage	Un-dc	48 Vdc
Max. DC operating voltage	Uc	65 Vdc
Follow current	If	None
Nominal discharge current *15 x 8/20 µs impulses*	In	15 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 mode(s)		Common mode
Protection level *@ In (8/20µs)*	Up	300 V
Protection level L/N *@ In (8/20µs)*	Up L/N	300 V
Protection level L/PE *@ In (8/20µs)*	Up L/PE	300 V
Mechanical Characteristics		
Technology		MOV
SPD configuration		2-poles
Connection to Network		By screw terminals: 4-25mm²
Format		Plug-in modular box
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
Spare module(s)		DSM40-48DC
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram
Weight		0.177 kg
Disconnectors		
Thermal disconnector		Internal
Back-up protection device		Fuses type gG - 50 A
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification		UL
Part number		
462101		