



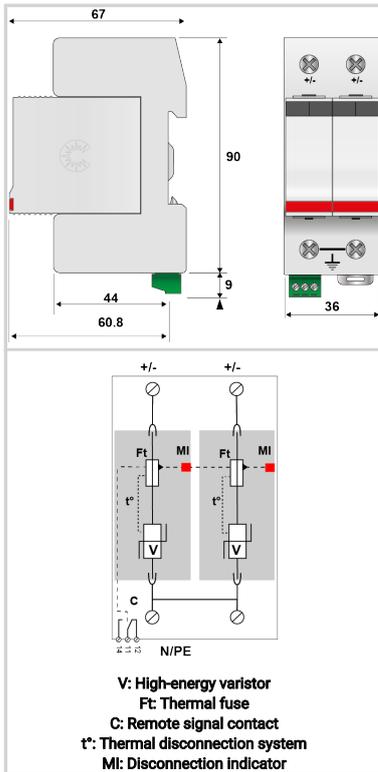
CITEL

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 / I_{max} 30 kA
- › Pluggable module
- › Remote signaling
- › IEC 61643-11 and EN 61643-11 compliance
- › UL1449 ed.5 approved



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 <i>15 x 8/20 μs impulses</i>	In	15 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	30 kA
Impulse current by pole <i>max. withstand 10/350μs by pole</i>	I _{imp}	4 kA
Total lightning current <i>max. total withstand @ 10/350μs</i>	I _{total}	8 kA
Connection mode(s)		+/PE and -/PE
Protection mode(s)		Common mode
Protection level <i>@ In (8/20μs)</i>	Up	300 V
Protection level L/N <i>@ In (8/20μs)</i>	Up L/N	300 V
Protection level L/PE <i>@ In (8/20μs)</i>	Up L/PE	300 V

Mechanical Characteristics

Technology		MOV
SPD configuration		2-poles
Connection to Network		By screw terminals: 4-25mm ²
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

