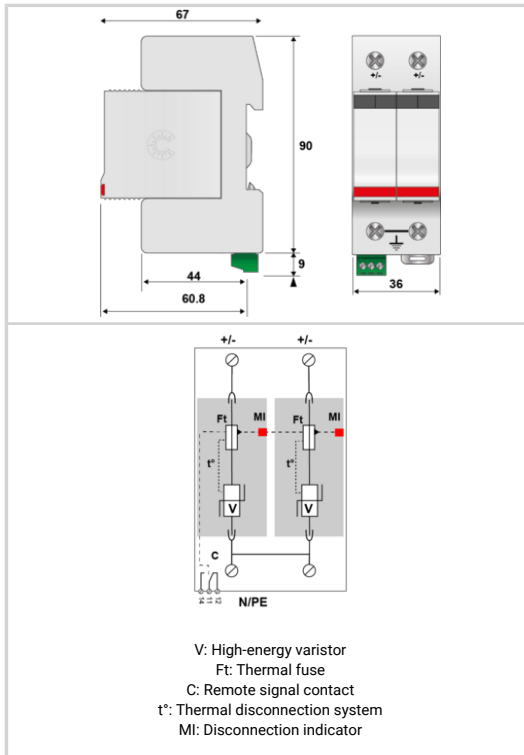


DS42S-48DC



- ↳ 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	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	I _{max} 30 kA
Impulse current by pole max. withstand 10/350μs by pole	I _{imp} 4 kA
Total lightning current max. total withstand @ 10/350μs	I _{total} 8 kA
Connection mode(s)	+/-PE and -/PE
Protection mode(s)	Common mode/Differential 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: 4-25mm 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
Fuses	Fuses type gG - 50 A
Standards	
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	UL
Part number	
462121	