



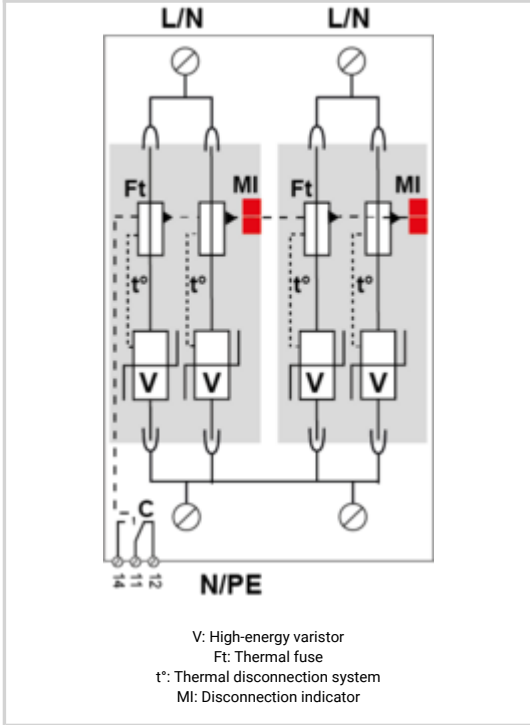
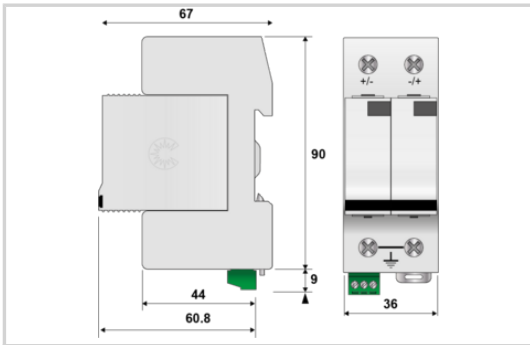
# 1-Pole 48 Vdc surge protector

# CITEL

## DS72RS-48DC



- ↳ 2-poles surge protector 48 Vdc
- ↳ Type 1 et Type 2
- ↳ In 30 kA / I<sub>max</sub> 70 kA
- ↳ Remote signaling
- ↳ I<sub>imp</sub> 7 kA
- ↳ Pluggable Module
- ↳ IEC 61643-11 and EN61643-11 compliance
- ↳ UL1449 ed.5



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 <i>15 x 8/20 μs impulses</i>	In	30 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I <sub>max</sub>	70 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	I <sub>max</sub> Total	140 kA
Impulse current by pole <i>max. withstand 10/350 μs by pole</i>	I <sub>imp</sub>	7 kA
Total lightning current <i>max. total withstand @ 10/350 μs</i>	I <sub>total</sub>	14 kA
Connection mode(s)		+/-PE and -/PE
Protection mode(s)		Common mode
Protection level +/-PE (-/PE) <i>@ In (8/20 μs)</i>	Up	300 V
Mechanical Characteristics		
Technology		MOV
SPD configuration		2-poles
Connection to Network		By screw terminals: 4-25mm <sup>2</sup>
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		1 mechanical indicator by pole
Spare module(s)		DSM70R-48DC
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram
Disconnectors		
Thermal disconnector		Internal
Back-up protection device		100 A min. - 125 A max. - Fuses type gG
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Part number		
		492121

