



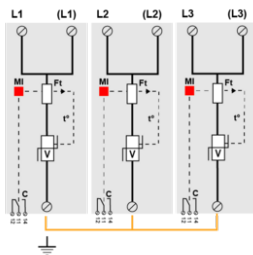
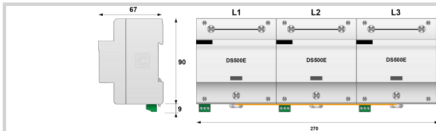
# Type 1+2 AC surge protector 3-phase

# CITEL

## DS503E-400



- Type 1 + 2 unipolar surge protector
- Iimp total: 150 kA on 10/350µs impulse
- Imax : 200 kA on 8/20µs impulse
- Internal disconnections, status indicators
- Remote signaling
- IEC 61643-11, EN 61643-11 and UL1449 ed.5 compliance



V: High-energy varistor  
 Ft: Thermal fuse  
 C: Remote signal contact  
 t\*: Thermal disconnection system  
 MI: Disconnection indicator

Electrical Characteristics	
SPD type	1+2
Network	230/400 V 3-phase
AC system	IT
Nominal line voltage	Un 400 Vac
Max. AC operating voltage	Uc 440 Vac
Max. load current <i>if series connection</i>	IL 100 A
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT 580 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT 770 Vac disconnection
Follow current	If None
Nominal discharge current <i>15 x 8/20 µs impulses</i>	In 50 kA
Max. discharge current <i>max. withstand @ 8/20 µs by pole</i>	I <sub>max</sub> 200 kA
Impulse current by pole <i>max. withstand 10/350µs by pole</i>	I <sub>imp</sub> 50 kA
Total lightning current <i>max. total withstand @ 10/350µs</i>	I <sub>total</sub> 150 kA
Specific energy by pole <i>max. withstand 10/350 µs</i>	W/R 156 kJ/ohm
Connection mode(s)	L/PE
Protection mode(s)	Common mode
Protection level L/PE <i>@ In (8/20µs)</i>	Up L/PE 2.2 kV
Admissible short-circuit current	I <sub>sc</sub> 50 000 A
Mechanical Characteristics	
Technology	MOV
SPD configuration	3-phase
Connection to Network	By screw terminals: 6-35mm <sup>2</sup> / by bus
Format	1-pole modular box assembled
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 AC network
Disconnection indicator	1 mechanical indicator by pole
Remote signaling of disconnection	Output on changeover contact
Dimensions	See diagram
Weight	2.214 kg
Disconnectors	
Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Back-up protection device	Fuses Type gG - 500 A
Standards	
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	
Part number	
3965	

