



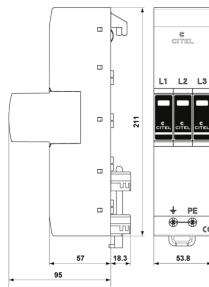
# CITEL

## Type 1+2+3 AC surge protector - 3-phase

### ZPAC1-8VG-30-275



- Type 1+2+3 combined SPD based on a gas-filled spark gap
- 10-year guarantee
- Discharge capacity per pole: limp= 8 kA (10/350 µs)
- Operating and leakage current-free
- Individually pluggable protection modules: sustainable solution, cost-effective maintenance
- Complies with the IEC 61643-11 and EN 61643-11 standards
- VDE-AR-N 4100 compliant "Use of surge protective devices (SPD) type 1 in main power supply systems"



#### Electrical Characteristics

SPD type	IEC	1+2+3
Network		230/400 V 3-phase
AC system		TNC
Nominal line voltage	Un	230/400 Vac
Max. AC operating voltage	Uc	275 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	440 Vac withstand
Residual Current Leakage current to Ground	Ipe	None
Follow current	If	None
Nominal discharge current 15 x 8/20 µs impulses	In	20 kA
Max. discharge current max. withstand @ 8/20 µs by pole	Imax	50 kA
Impulse current by pole max. withstand 10/350µs by pole	limp	8 kA
Total lightning current max. total withstand @ 10/350µs	Itotal	22.5 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	Uoc	6 kV
Specific energy by pole max. withstand 10/350 µs	W/R	16 kJ/ohm
Protection mode(s)		L/PE
Protection level L/PE @ In (8/20µs)	Up L/PE	1.5 kV
Residual voltage L/PE at 5 kA @ 5 kA (8/20µs)	Up-5kA	0.9 kV
Admissible short-circuit current	Isccr	50 000 A

#### Mechanical Characteristics

Technology	VG Technology (MOV+GSG)
SPD configuration	3-phase
Connection to Network	By 40mm busbar and wire for PE: 6-35mm <sup>2</sup> (50mm <sup>2</sup> )
Format	Plug-in modular box
Mounting	40 mm busbar systems
Housing material	Thermoplastic UL94 V-0
Operating temperature	Tu
Protection rating	IP20
Failsafe mode	Disconnection from AC network
Disconnection indicator	1 mechanical indicator by pole
Spare module(s)	MDAC1-8VG-275
Remote signaling of disconnection	none
Dimensions	See diagram
Weight	0.677 kg

#### Disconnectors

Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Back-up protection device	max. 315 A (gL/gG)

#### Standards

Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 5ed.
Certification	KEMA

#### Part number

64214

