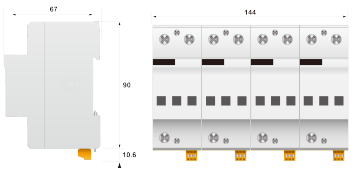
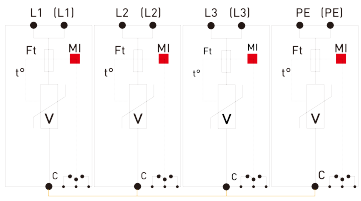
Type 1+2 AC surge protector - 3-phase

DS253E-690/WD

- Type 1+2 surge protector
- For 400/690 V network
- In: 35 kA
- Iimp: 25 kA
- Low voltage Up
- Internal disconnection, status indicator
- Remote signaling
- IEC 61643-11, EN 61643-11 and UL1449 ed.5 compliance





V: High-energy varistor
GSG: Specific gas tube
Ft: Thermal fuse
C: Remote signaling contact
t°: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics		
SPD type	IEC	1+2
Network		400/690 V
Nominal line voltage	Un	690 Vac
Max. AC operating voltage	Uc	760 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. *Without disconnection*	UT	1160 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn *Without disconnection or with safety disconnection*	UT	1540 Vac withstand
Residual Current *Leakage current to Ground*	Ipe	None
Follow current	If	None
Nominal discharge current *15 x 8/20 µs impulses*	In	35 kA
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	140 kA
Impulse current by pole *max. withstand 10/350µs by pole*	Iimp	25 kA
Specific energy by pole *max. withstand 10/350 µs*	W/R	156 kJ/ohm
Connection mode(s)		L/PE
Protection mode(s)		Common Mode or Differential Mode
Protection level L/PE *@ In (8/20µs)*	Up L/PE	3.0 kV
Admissible short-circuit current	Isccr	50 000 A
Mechanical Characteristics		
Technology		MOV
SPD configuration		3+1-Y diagram
Connection to Network		By screw: 6-35mm² (50mm² flexible)
Format		1-pole 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 AC network
Disconnection indicator		4 mechanical indicators
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram
Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		Fuses Type gG - 125 A
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11
Certification		
Part number		
30143625		