

MDACF25-275



- ↳ Type 2 AC surge protector
- ↳ In: 15 kA
- ↳ Imax: 25 kA
- ↳ Interne Disconnection device
- ↳ Pluggable module for each phase
- ↳ Remote signaling
- ↳ EN 61643-11, IEC 61643-11 certified
- ↳ UL1449 ed.5 compliance



Electrical Characteristics		
SPD type		2
Network		230 V single-phase
AC system		TT-TN
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 disconnection
Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection	UT	1200 V/300A/200 ms withstand
Residual Current Leakage current to Ground	Ipe	None
Follow current	If	None
Nominal discharge current 15 x 8/20 $\mu$ s impulses	In	15 kA
Max. discharge current max. withstand @ 8/20 $\mu$ s by pole	Imax	25 kA
Total Maximum discharge current max. total withstand @ 8/20 $\mu$ s	Imax Total	50 kA
Connection mode(s)		L/N and N/PE
Protection level L/N @ In (8/20 $\mu$ s)	Up L/N	1.25 kV
Protection level N/PE @ In (8/20 $\mu$ s)	Up N/PE	1.5 kV
Residual voltage L/N at 5 kA @ 5 kA (8/20 $\mu$ s)	Up-5kA	1 kV
Protection level N/PE at 5 kA @ 5 kA (8/20 $\mu$ s)	Up-5kA	1 kV
Admissible short-circuit current	Iscrr	100 000 A
Mechanical Characteristics		
Technology		MOV+GDT
SPD configuration		Single phase
Connection to Network		By screw terminals: 2.5-25mm <sup>2</sup> (35mm <sup>2</sup> rigid)
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 AC network
Disconnection indicator		1 mechanical indicator by pole - Red/Green
Spare module(s)		MDACF25-275 + MDAC50G-255(KEMA)/F25
Remote signaling of disconnection		Output on changeover contact
Wiring for remote signaling		1.5 mm <sup>2</sup> max.
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		internal (equivalent AC rating : 40 A, gG Type)
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification		KEMA
Part number		
821410200		