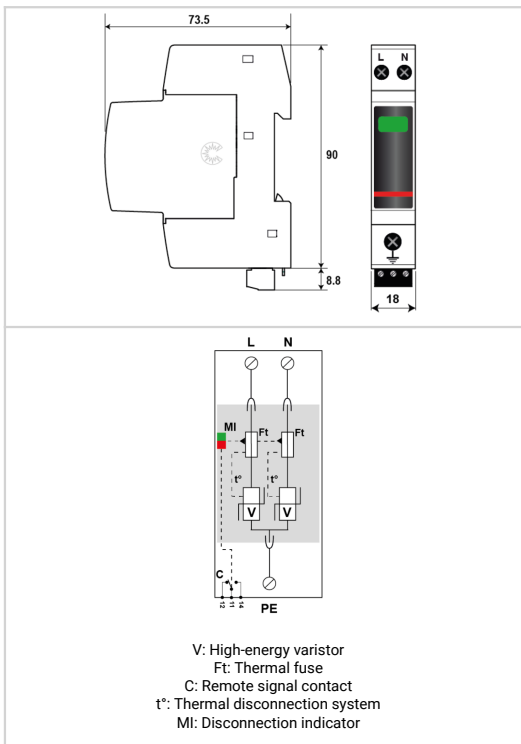


DAC40CS-20-440



- ✦ Compact Surge protector, 2-pole Type 2 or 3
- ✦ Conductivity per pole:  $I_n = 20 \text{ kA}$ ;  $I_{max} = 40 \text{ kA}$
- ✦ Common protection mode
- ✦ Safe disconnect device
- ✦ Transverse / longitudinal voltage protection
- ✦ Energetically coordinated
- ✦ Pluggable protection module
- ✦ Remote signalling
- ✦ IEC 61643-11 / EN 61643-11 certified
- ✦ UL1449 ed.5 compliance



Electrical Characteristics			
SPD type	IEC	2	
Network		230 V single-phase	
AC system		IT	
Max. AC operating voltage	$U_c$	440 Vac	
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	580 Vac withstand	
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	770 Vac disconnection	
Residual Current Leakage current to Ground	$I_{pe}$	< 1 mA	
Follow current	$I_f$	None	
Nominal discharge current 15 x 8/20 $\mu\text{s}$ impulses	$I_n$	20 kA	
Max. discharge current max. withstand @ 8/20 $\mu\text{s}$ by pole	$I_{max}$	40 kA	
Total Maximum discharge current max. total withstand @ 8/20 $\mu\text{s}$	$I_{max}$ Total	80 kA	
Protection mode(s)		L/PE and N/PE	
Protection level N/PE @ $I_n$ (8/20 $\mu\text{s}$ )	$U_p$ N/PE	1.8 kV	
Protection level L/PE @ $I_n$ (8/20 $\mu\text{s}$ )	$U_p$ L/PE	1.8 kV	
Admissible short-circuit current	$I_{scrc}$	10 000 A	
Mechanical Characteristics			
Technology		MOV	
SPD configuration		Single phase	
Connection to Network		By screw terminals: L/N = 1.5-10mm <sup>2</sup> (16mm <sup>2</sup> rigid) or PE = 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	$T_u$	-40/+85°C	
Protection rating		IP20	
Failsafe mode		Disconnection from AC network	
Disconnection indicator		1 mechanical indicator - Red/Green	
Spare module(s)		MDAC40C-20-440	
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)	
Dimensions		See diagram - 1TE (EN43880)	
Disconnectors			
Thermal disconnector		Internal	
Installation ground fault breaker		Type 'S' or delayed	
Back-up protection device		50 A min. - 125 A max. - Fuses Type gG	
Standards			
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5	
Certification		KEMA	
Part number			
821510421			