



CITEL

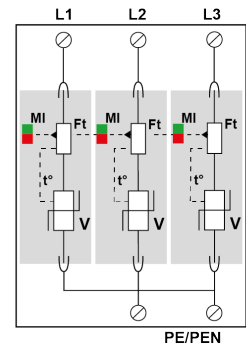
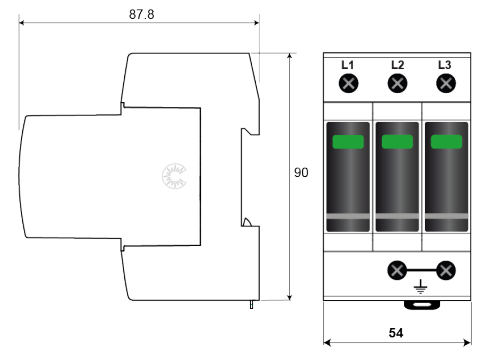


## DAC1-13-30-440

- Type 1 + 2 AC multipolar surge protector
- In : 20 kA
- Iimp: 12.5 kA
- Pluggable module for each phase
- Remote signaling (option)
- EN 61643-11, IEC 61643-11 compliance



Electrical Characteristics		
SPD type		1+2
Network		230/400 V 3-phase
AC system		IT
Max. AC operating voltage L-N	$U_c$	440 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	$U_T$	580 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	$U_T$	770 Vac disconnection
Residual Current <i>Leakage current to Ground</i>	$I_{pe}$	< 1 mA
Follow current	$I_f$	None
Nominal discharge current <i>15 x 8/20 <math>\mu</math>s impulses</i>	$I_n$	20 kA
Max. discharge current <i>max. withstand @ 8/20 <math>\mu</math>s by pole</i>	$I_{max}$	50 kA
Impulse current by pole <i>max. withstand 10/350<math>\mu</math>s by pole</i>	$I_{imp}$	12.5 kA
Total lightning current <i>max. total withstand @ 10/350<math>\mu</math>s</i>	$I_{total}$	37.5 kA
Specific energy by pole <i>max. withstand 10/350 <math>\mu</math>s</i>	$W/R$	40 kJ/ohm
Protection level L/PE <i>@ In (8/20<math>\mu</math>s)</i>	$U_p L/PE$	1.7 kV
Residual voltage L/PE at 5 kA <i>@ 5 kA (8/20<math>\mu</math>s)</i>	$U_p-5kA$	1.5 kV
Admissible short-circuit current	$I_{sc cr}$	50 000 A



V: High-energy varistor  
 Ft: Thermal fuse  
 t°: Thermal disconnection system  
 MI: Disconnection indicator



Mechanical Characteristics		
Technology		MOV
SPD configuration		3-phase
Connection to Network		By screw terminals: 2.5-25 mm <sup>2</sup> (35 mm <sup>2</sup> rigid)
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN60715)
Housing material		Thermoplastic UL94-V0
Operating temperature		-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from AC network
Disconnection indicator		1 mechanical indicator by pole - Red/Green
Spare module(s)		MDAC1-13-440
Remote signaling of disconnection		option DAC1-13S-30-440: output on changeover contact
Wiring for remote signaling		1.5 mm <sup>2</sup> max.
Maw. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions		See diagram - 3 TE (EN43880)
Weight		0.504 kg
Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Fuses		125 A min. - 315 A max. - Fuses Type gG
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 4ed.
Certification		IEC 61463-11 / EN 61643-11
<b>Part Number</b>		<b>821710413</b>