



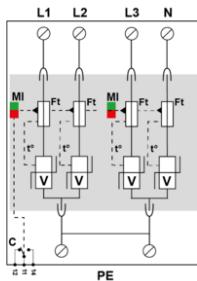
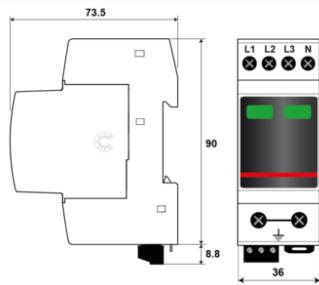
Type 2 AC surge protector - 3-phase+N

CITEL

DAC40CS-40-320



- » Compact, multipole type 2
- » Conductivity per pole: $I_n = 20 \text{ kA}$; $I_{max} = 40 \text{ kA}$
- » Protection modes - common and/or differential
- » Safe disconnect device
- » Transverse / longitudinal voltage protection
- » Energetically coordinated
- » Pluggable protection module
- » Remote signalling
- » Conforms to IEC 61643-11 / EN 61643-11 and UL1449 ed.5



V: High-energy varistor
Ft: Thermal fuse
C: Remote signal contact
 t^* : Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics

SPD type	2
Network	230/400 V
AC system	TN
Max. AC operating voltage	U_c 320 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT 335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT 440 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 μs impulses</i>	I_n 20 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I_{max} 40 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	I_{max} Total 160 kA
Protection mode(s)	L/PE and N/PE
Protection level L/PE <i>@ I_n (8/20 μs)</i>	Up L/PE 1.5 kV
Admissible short-circuit current	I_{scrr} 10 000 A

Mechanical Characteristics

Technology	MOV
SPD configuration	3-phase+Neutral
Connection to Network	By screw terminals: L/N = 1.5-10mm ² (16mm ² rigid) or PE = 2.5-25mm ² (35mm ² 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	2 mechanical indicators - Red/Green
Spare module(s)	MDAC40C-40-320
Remote signaling of disconnection	Output on changeover contact
Wiring for remote signaling	1.5 mm ² max.
Max. Voltage/Current for remote signaling	250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions	See diagram - 2TE (EN43880)
Weight	0.255 kg
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	821510322

