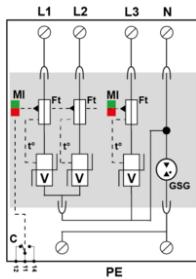
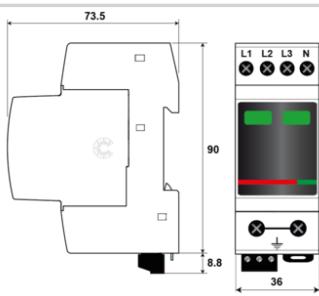


## DAC40CS-31-320



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

### Electrical Characteristics

SPD type	2	
Network	230/400 V	
AC system	TT-TNS	
Max. AC operating voltage	Uc	320 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT	335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 ms <i>Without disconnection or with safety disconnection</i>	UT	440 Vac disconnection
Temporary Over Voltage N/PE (TOV HT) <i>Without disconnection or with safety disconnection</i>	UT	1200 V/300A/200 ms withstand
Residual Current <i>Leakage current to Ground</i>	Ipe	None
Follow current	If	None
Nominal discharge current <i>15 x 8/20 µs impulses</i>	In	20 kA
Max. discharge current <i>max. withstand @ 8/20 µs by pole</i>	I <sub>max</sub>	40 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 µs</i>	I <sub>max</sub> Total	40 kA
Protection mode(s)	L/PE and N/PE	
Protection level L/N <i>@ In (8/20µs)</i>	Up L/N	1.5 kV
Protection level N/PE <i>@ In (8/20µs)</i>	Up N/PE	1.5 kV
Admissible short-circuit current	I <sub>scrr</sub>	10 000 A

### Mechanical Characteristics

Technology	MOV+GDT
SPD configuration	3-phase+Neutral
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 <sub>u</sub> -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection from AC network
Disconnection indicator	2 mechanical indicators - Red/Green
Spare module(s)	MDAC40C-31-320
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 - 2TE (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

821520322

