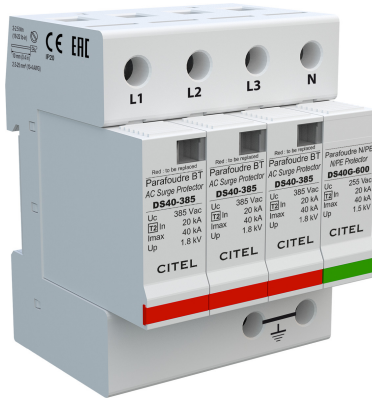




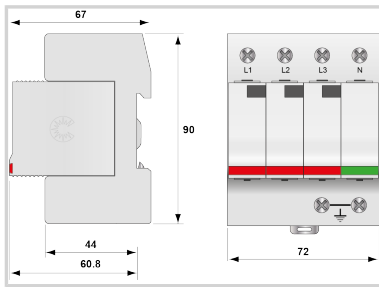
# CITEL



## Type 2 AC surge protector - 3-phase+N

### DS44-385/G

- ▶ Discover our latest innovation : the [DAC50-31-440](#)
- ▶ Type 2 AC Multipolar surge protector
- ▶ In : 20 kA
- ▶ I<sub>max</sub> total : 40 kA
- ▶ Pluggable module for each phase
- ▶ Remote signaling option
- ▶ EN 61643-11, IEC 61643-11 compliance
- ▶ UL1449 ed.5



#### Electrical Characteristics

SPD type	IEC	2
Network		230/400 V 3-phase+N
AC system		TT-TNS
Nominal line voltage	U <sub>n</sub>	230 Vac
Max. AC operating voltage	U <sub>c</sub>	385 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT	500 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT	650 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>	I <sub>pe</sub>	None
Follow current	I <sub>f</sub>	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	I <sub>n</sub>	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
Connection mode(s)		L/N and N/PE
Protection mode(s)		Common/Differential mode
Residual voltage at 5 kA <i>@ 5 kA (8/20μs)</i>	Up-5kA	0.9 kV
Protection level L/N <i>@ I<sub>n</sub> (8/20μs)</i>	Up L/N	1.8 kV
Protection level N/PE <i>@ I<sub>n</sub> (8/20μs)</i>	Up N/PE	1.5 kV
Admissible short-circuit current	I <sub>sc</sub>	25 000 A

#### Mechanical Characteristics

Technology		MOV+GDT
SPD configuration		3-phase+Neutral
Connection to Network		By screw terminals: 2.5-25mm <sup>2</sup> / by bus
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		1 mechanical indicator by pole
Spare module(s)		DSM40-385+DSM40G-600
Remote signaling of disconnection		option DS44S-385/G: output on changeover contact
Dimensions		See diagram

#### Disconnectors

Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		Fuses type gG - 50 A

#### Standards

Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification		UL Recognized

#### Part number

**461212**

