

Single and 3-Phase AC Surge Protectors

DUT10 - DUM10

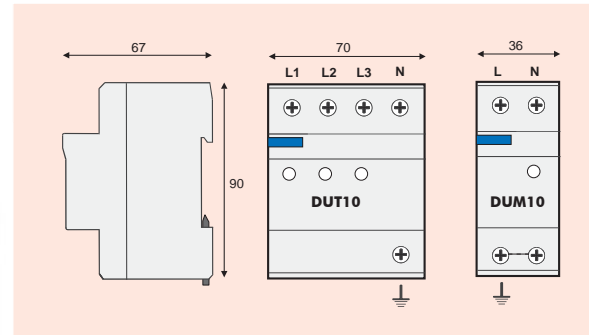


DUT10 (3-Phase) and DUM10 (Single Phase) Type 2 surge protectors are used to protect sensitive equipment, connected to AC network, against transient surge voltages due to lightning. The technology used is an association of gas tube and varistors equipped with thermal disconnectors and operating indicators.

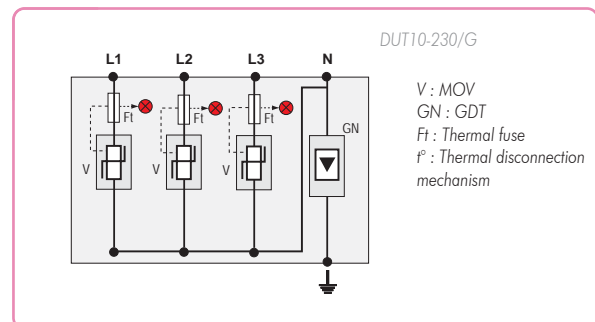
DUT10 and DUM10 are installed close by the sensitive equipment, in the distribution panel. They have to be used downstream a primary SPD (DS40, DUT40...) located in the main electrical panel. These surge protectors provide common and differential mode protection with a maximum discharge current of 40 kA. These SPDs could be also classified following the DS210D can be classified as Type 3 following IEC 61643-1

- **3-Phase and Single phase Surge Protector**
- **Type 2 (or 3) monobloc**
- **Discharge currents: In: 5 kA / Imax: 10 kA**
- **Common/Differential mode**
- **Protection levels Up: 1.5/1 kV**
- **Disconnection indicators**
- **IEC 61643-1 and EN 61643-11 compliance**

Dimensions (in mm)



Electrical diagram



Caractéristiques

CITEL part number	DUT10-230/G and DUM10-230/G
AC network	3-Phase 230/400V : DUT10-230/G Single Phase 230 V : DUM10-230/G
AC system	TN - TT
Max. operating voltage	Uc 255 Vac
Temporary overvoltage withstand	U _T 400 Vac
Operating current	Ic none
<i>Leakage current at Uc</i>	
Follow current	I _f none
Nominal discharge current	I _n 5 kA
<i>15 x 8/20 μs impulses</i>	
Maximum discharge current	I _{max} 10 kA
<i>max. withstand 8/20 μs</i>	
Protection level (at I _n)	U _p 1.5 kV / 1 kV (MC/MD)
Combination waveform test	U _{oc} 10 kV
<i>Class III test</i>	
Admissible short-circuit current	10000 A
Associated disconnection devices	
Thermal disconnector	internal
Fuses	gG type - 20 A max. (see Note 1)
Installation ground fault breaker	«S» type or delayed
Mechanical characteristics	
Dimensions	See drawing
Connection to AC network	screw terminal : 4-35 mm ²
Disconnection indicators	Red light(s) on
Remote signalling of disconnection	none
Mounting	rail symmetrical rail 35 mm
Operating temperature	-40/+85 °C
Protection class	IP20
Housing material	Thermoplastic UL94-V0
Standards compliance	
NF EN 61643-11	France Parafoudre Basse Tension - Essais Classe II et III
IEC 61643-1	International Low Voltage SPD - Test Class II and III
EN 61643-11	Europe Low Voltage SPD - Test Class II and III
UL1449 ed.2	USA Low Voltage TVSS

Note 1: Rating in compliance with nominal discharge current. In order to increase service continuity, higher rating can be used (up to 40 A). For further information, please consult product instructions.