



Single and 3-Phase AC Surge Protectors

DUT40 - DUM40

A30



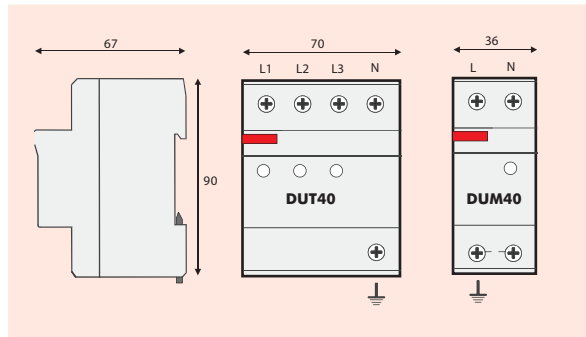
DUT40 (3-Phase) and DUM40 (Single Phase) Type 2 surge protectors are used to protect sensitive equipment, connected to AC network, against transient surge voltages due to lightning. The technology used is an association of gas tube and varistors equipped with thermal disconnectors and operating indicators.

DUT40 and DUM40 are installed at the entrance of the AC network, in the main electrical panel, and protect the whole electrical installation. Nevertheless they could be associated with a secondary stage of surge protectors (DUT10, DS210D..) close by the sensitive and remote equipment.

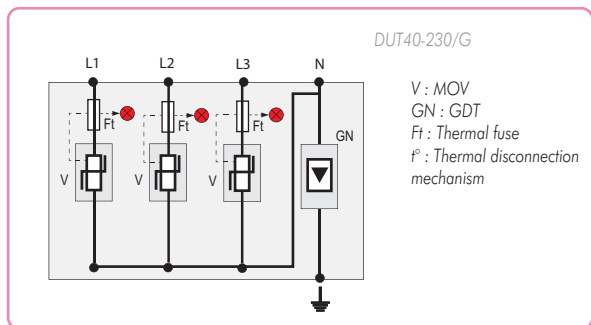
These surge protectors provide common and differential mode protection with a maximum discharge current of 40 kA.

- 3-Phase and Single phase Surge Protector
- Type 2 monobloc
- Discharge currents: I_n : 15 kA / I_{max} : 40 kA
- Common/Differential mode
- Protection levels U_p : 2/1.5 kV
- Disconnection indicators
- IEC 61643-11 and EN 61643-11 compliance

Dimensions (in mm)



Electrical diagram



Characteristics

CITEL part number	DUT40-230/G and DUM40-230/G	
AC network	3-Phase 230/400V : DUT40-230/G Single Phase 230 V : DUM40-230/G	
AC system	TN - TT	
Max. operating voltage	U_c	255 Vac
Temporary overvoltage withstand	U_T	400 Vac
Operating current	I_c	none
Leakage current at U_c		
Follow current	I_f	none
Nominal discharge current	I_n	15 kA
15 x 8/20 μ s impulses		
Maximum discharge current	I_{max}	40 kA
max. withstand 8/20 μ s		
Protection level (at I_n)	U_p	2 kV/ 1.5 kV (MC/MD)
Admissible short-circuit current		10000 A
Associated disconnection devices		
Thermal disconnector		internal
Fuses		gG type - 50 A max. (see Note 1)
Installation ground fault breaker		«S» type or delayed
Mechanical characteristics		
Dimensions		Voir drawing
Connection to AC network		screw terminal : 1,5-35 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
IEC 61643-11	International	Low Voltage SPD - Test Class II
EN 61643-11	Europe	Low Voltage SPD - Test Class II
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 125 A). For further information, please consult product instructions.