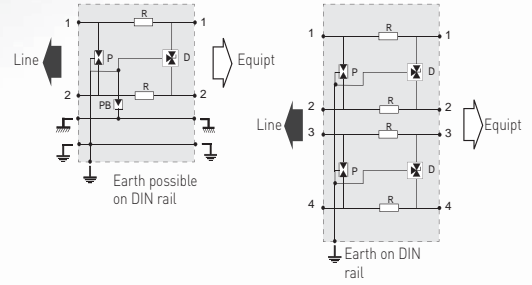
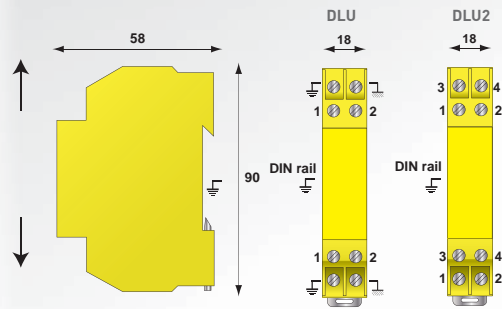


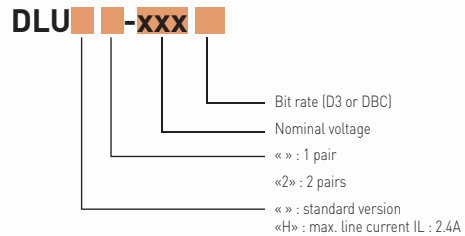
DIN rail Surge Protector for dataline/telecom

DLU, DLU2 series



P : 3-electrode gas tube
 Pb : 2-electrode gas tube
 R : Resistor (or L : inductor for DLUH version)
 D : Clamping diode

- For «DIN» rail mounting
- All types of Telephone and Data lines
- Monobloc housing
- 2-pair version (DLU2)
- Transmission and protection of shield wire (DLU)
- IEC 61643-21 compliance
- UL497 A approved



Characteristics

CITEL Model	DLU-170 DLU2-170	DLU-48DBC DLU2-48DBC	DLU-48D3 DLU2-48D3	DLU-24D3 DLU2-24D3	DLU-12D3 DLU2-12D3	DLU-06DBC DLU2-06DBC	DLU-06D3 DLU2-06D3	
Description	Telecom/Data SPD- 1 or 2-pair -DIN mounting - Monobloc							
Network	Telephone line, ADSL, SDSL, SHDSL, VDSL2	Fipway, WorldFIP, FieldBus-H2,	48V line, ISDN-T0, Profibus-PA	4-20mA, 24V line	Profibus-FMS, Interbus, Fiel-dBus-H1, Batibus, RS232, RS485	6V line, High bitrate, MIC/T2, 10BaseT	RS422	
SPD configuration	DLU 1-pair + shielded	1-pair + shielded	1-pair + shielded	1-pair + shielded	1-pair + shielded	1-pair + shielded	1-pair + shielded	
Nominal line voltage	Un 150 V	48 V	48 V	24 V	12 V	6 V	6 V	
Max. DC operating voltage	Uc 170 V	53 V	53 V	28 V	15 V	10 V	10 V	
Max. Load current	IL 300 mA	300 mA	300 mA	300 mA	300 mA	300 mA	300 mA	
Max. frequency	f max > 10 MHz	> 20 MHz	> 3 MHz	> 3 MHz	> 3 MHz	> 20 MHz	> 3 MHz	
Insertion loss	< 1 dB	< 1 dB	< 1 dB	< 1 dB	< 1 dB	< 1 dB	< 1 dB	
Nominal discharge current 8/20µs Test x 10 - C2 Category	In 5 kA	5 kA	5 kA	5 kA	5 kA	5 kA	5 kA	
Max. discharge current -max. withstand @ 8/20 µs by pole	Imax 20 kA	20 kA	20 kA	20 kA	20 kA	20 kA	20 kA	
Impulse current 2 x 10/350µs Test - D1 Category	Iimp 5 kA	5 kA	5 kA	5 kA	5 kA	5 kA	5 kA	
Protection level	Up 220 V	40 V	70 V	75 V	30 V	25 V	20 V	
Failsafe behavior	Short-circuit	Short-circuit	Short-circuit	Short-circuit	Short-circuit	Short-circuit	Short-circuit	

Mechanical characteristics

Dimensions	see diagram
Format	DIN box
Connection to Network	screw terminal - cross section 0.4-1.5 mm ²
Disconnection indicator	transmission interrupt
Mounting	Symmetrical rail 35 mm
Operating temperature	-40/+85°C
Protection rating	IP20
Housing material	Thermoplastic UL94-V0
Versions	DLU-xxx : version 1 pair DLU2-xxx : version 2 pairs DLUH-xxx : «remote supply» version 1-pair (max. line current IL = 2,4 A) DLUH2-xxx : «remote supply» version 2 pairs (max. line current IL = 2,4 A)
Standards compliance	IEC 61643-21 / EN 61643-21 / UL497A

Part number

DLU range	640505	640514	640504	640503	640502	640511	640501
DLUH range	640705	640714	640704	640703	640702	640711	640701
DLU2 range	640405	640434	640404	640401	640403	640431	640402
DLUH2 range	-	640744	640734	640733	640732	640741	640731