



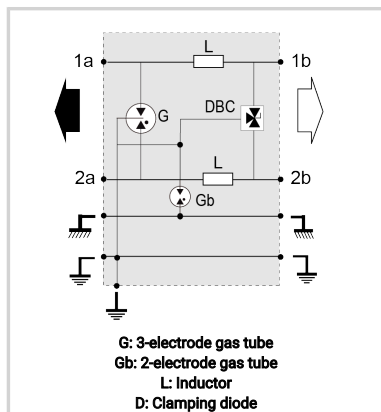
CITEL



1-pair monobloc Data surge protector

DLUH-48DBC

- For DIN rail mounting
- Monobloc housing
- 1-pair
- Max. line current 2.4 A
- Un: 48 V
- Transmission an protection of shield wire
- IEC 61643-21 compliance
- UL497A



Electrical Characteristics

Network		Fipway, WorldFIP, FieldBus-h2
Nominal line voltage	Un	48 V
Max. DC operating voltage	Uc	53 Vdc
Max. frequency	f max.	20 MHz
Cut-off frequency -3dB, 100 ohm system	f max.	> 1.5 MHz
Cut-off frequency -1dB, 100 ohm system	f max.	> 900 KHz
Insertion loss		< 1 dB
Max. load current @25°C	IL	2.4 A
Max. discharge current max. withstand @ 8/20 µs by pole	Imax	20 kA
Nominal discharge current C2 Category	In	5 kA
Line inductance (± 10 %)		10 µH
Protection mode(s)		Common/Differential mode
Protection Level C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line)	Up	75 V
Protection Level C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth)	Up	75 V
Max. capacitance	C	< 50 pF
Impulse current 2 x 10/350µs Test - D1 Category	Iimp	5 kA
Line resistance (± 10%)		4.7 Ohm

Mechanical Characteristics

Technology		GDT+TVS diode
SPD configuration		1-pair+shielded
Connection to Network		By screw terminal: cross section 0.4-1.5mm²
Format		DIN box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Short-circuit - transmission cut-off - fault mode 2
Disconnection indicator		Transmission interrupt
Remote signaling of disconnection		No
Max. number of pairs		1.0000
Dimensions		See diagram

Standards

Standards compliance		IEC 61643-21 / EN 61643-21 / UL497B
Certification		UL 497B

Part number

640714

