



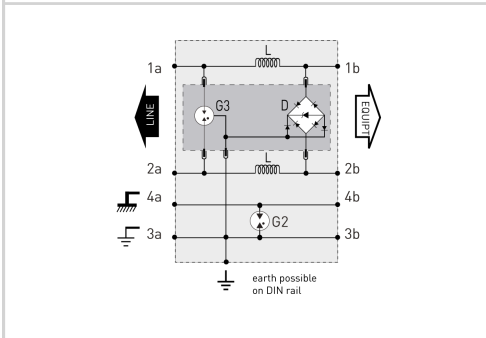
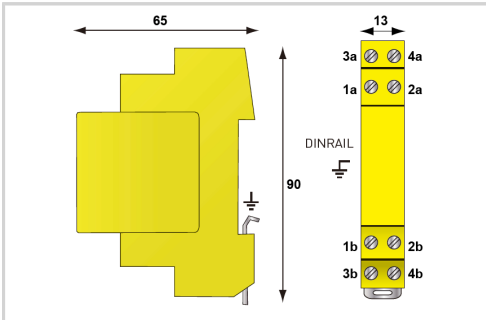
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UL497B LISTED - I_{max} 20kA - I_n 5kA - Modular

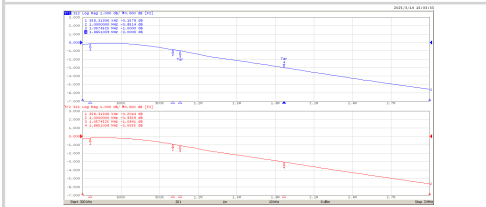
DLAH-48D3



- ▶ Hybrid SAD-GDT Technology
- ▶ UL497B LISTED
- ▶ 20kA I_{max} (1x 8/20 μ s)
- ▶ 5kA I_{imp} (2x 10/350 μ s)
- ▶ 5kA I_n (10x 8/20 μ s)
- ▶ Modular
- ▶ 2W+SHIELD+G



G: 3-electrode gas tube
Gb: 2-electrode gas tube
L: Inductor
D: Clamping diode



Electrical Characteristics		
Network		ISDN, 48 V line
Nominal line voltage	U _n	48 V
Max. DC operating voltage	U _c	53 Vdc
Cut-off frequency -3dB, 100 ohm system	f max.	> 1.8 MHz
Cut-off frequency -1dB, 100 ohm system	f max.	> 1 MHz
Max. load current @25°C	I _L	2.4 A
Max. discharge current max. withstand @ 8/20 μ s by pole	I _{max}	20 kA
Nominal Discharge Current, X-C (Line/Earth) 8/20 μ s Test x 10 - C2 Category	I _n L/PE	5 kA
Protection Level C3 (10/1000 μ s), 300 applications@10 A, Y-Y (Line/Line)	U _p	70 V
Protection Level C3 (10/1000 μ s), 300 applications@10 A, X-C (Line/Earth)	U _p	70 V
Impulse current D1 (10/350 μ s), 2 applications, X-C (Line/Earth)	I _{imp}	5 kA
DATA SPD TYPE		UL497B LISTED
VOLTS	(V)	48
WIRES		2W+SHIELD+G
LINE CURRENT MAX	(A)	2.4
AMBIENT MIN	(C)	-50
AMBIENT MAX	(C)	+85
RESIDUAL VOLTAGE	(V)	70
MCOV	(V)	28
I _N 10 impulses 8/20 μ s	(kA)	5
I _{MAX} 8/20 μ s	(kA)	20
I _{imp} 10/350 μ s	(kA)	5
DATA SPEED	(Mbps)	10/100
INSERTION LOSS (@ FREQ)	(db)	< 1
Mechanical Characteristics		
Technology		GDT+TVS diode
Connection to Network		By screw terminal: cross section 0.4-1.5mm ²
Format		Plug-in DIN box
Operating temperature	T _u	-40/+85°C
Protection rating		IP20
Failsafe mode		Short-circuit
TECHNOLOGY		SAD-GDT
NETWORK CONFIGURATION		1 pair
CONNECTION METHOD		Screw Terminal
MOUNTING		DIN RAIL
MATERIAL		Thermoplastic UL94-V0
NEMA RATING (IP RATING)		NEMA 2 (IP20)
DIMENSIONS		See diagram
WEIGHT		0.30 lbs
SPARE PART		DLAHM-48D3



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UL497B LISTED - I_{max} 20kA - In 5kA - Modular

DLAH-48D3

Standards	
Certification	UL Listed
UL STANDARD	UL497B
UL CATEGORY	QVGQ
UL FILE NUMBER	E184939
STANDARDS	IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993
ENVIRONMENTAL STANDARDS	ROHS
Part number	
641004	

