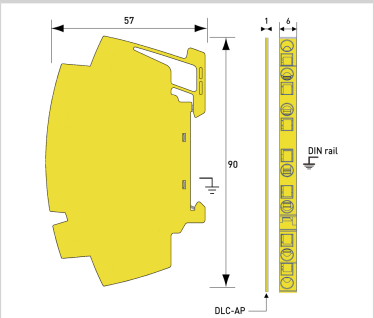
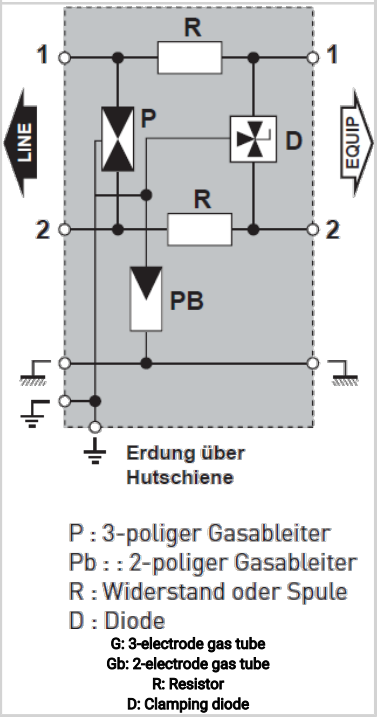
UL497B LISTED - Imax 20kA - In 5kA - Modular

DLC-48DBC



- Hybrid Technology
- Compact 6mm module
- UL497B LISTED
- 10kA Imax (1x 8/20us)
- 2.5kA Imp (2x 10/350us)
- 5kA In (10x 8/20us)
- 2W+SHIELD+G
- Common/Differential mode protection





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.	> 100 MHz
Cut-off frequency *-1dB, 100 ohm system*	f max.	> 45 MHz
Insertion loss		< 1 dB
Max. load current @25°C	IL	300 mA
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	10 kA
Nominal Discharge Current, X-C (Line/Earth) *8/20µs Test x 10 - C2 Category*	In L/PE	5 kA
Protection Level *C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line)*	Up	70 V
Protection Level *C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth)*	Up	70 V
Impulse current *2 x 10/350µs Test - D1 Category*	Iimp	2.5 kA
Line resistance (± 10%)		4.7 Ohm
DATA SPD TYPE		UL497B LISTED
VOLTS	(V)	48
WIRES		2W+Shield+G
LINE CURRENT MAX	(A)	0.3
AMBIENT MIN	(C)	-50
AMBIENT MAX	(C)	+85
RESIDUAL VOLTAGE	(V)	20
MCOV	(V)	8/72/72
IN *10 impulses 8/20µs*	(kA)	5
IMAX *8/20µs*	(kA)	10
Iimp *10/350µs*	(kA)	2.5
DATA SPEED	(Mbps)	10/100/1000
FREQUENCY	(MHz)	20
INSERTION LOSS (@ FREQ)	(db)	< 1
Mechanical Characteristics		
Technology		GDT+TVS diode
Connection to Network		By spring terminal - max. cross section 2.5mm² / AWG 13 (solid or stranded)
Format		DIN box

DLC-48DBC

Mounting		Symmetrical rail 35 mm (EN 60715)
Operating temperature	Tu	-40/+85°C
Ingress Protection rating		IP20 (NEMA 2)
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
Standards		
Certification		UL 497B
Environmental standards		EU RoHS
UL STANDARD		UL497B
UL CATEGORY		QVGQ
UL FILE NUMBER		E184939
STANDARDS		IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993
Part number		
641114		