



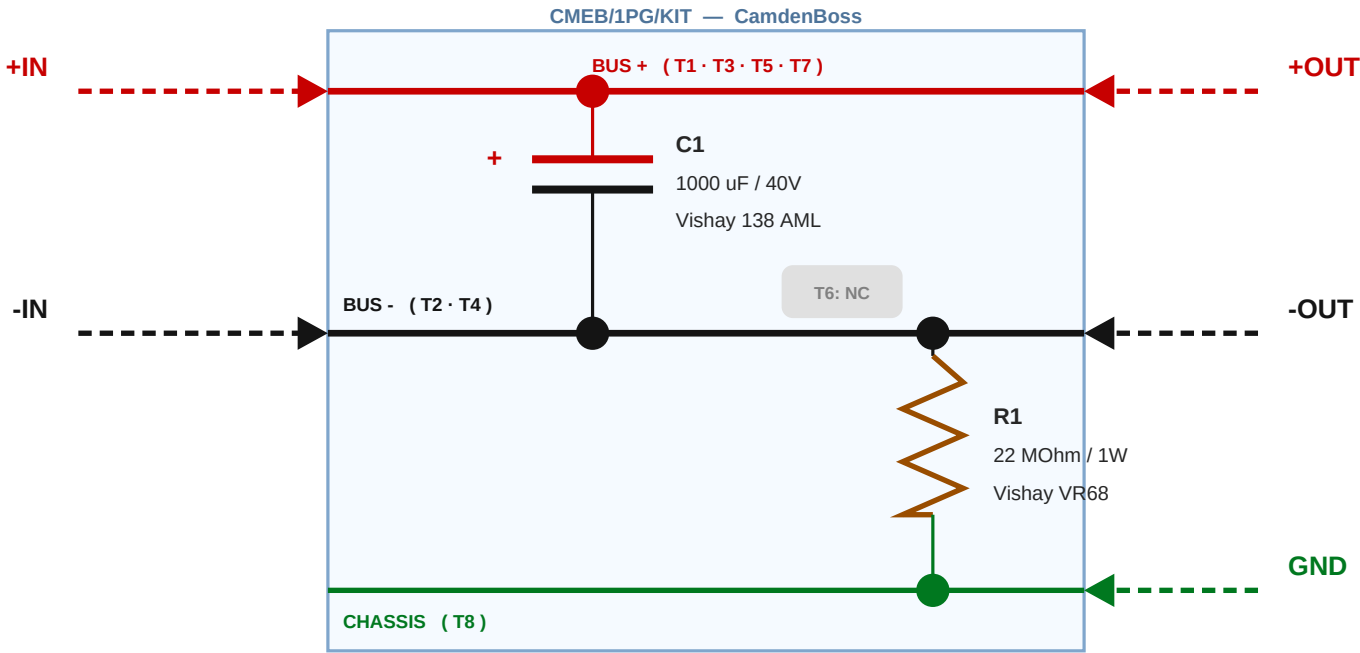
1. GENERAL DESCRIPTION

The CMEB-1E10-DIN is an electromagnetic interference (EMI) suppression module designed for locomotive and industrial DIN Rail applications. It suppresses voltage spikes and electrostatic charges through an asymmetric RC network: a high-capacity capacitor between the positive line and negative, and a high-impedance resistor between negative and chassis. Housed in an extendable CamdenBoss CMEB enclosure with 8 accessible screw terminals.

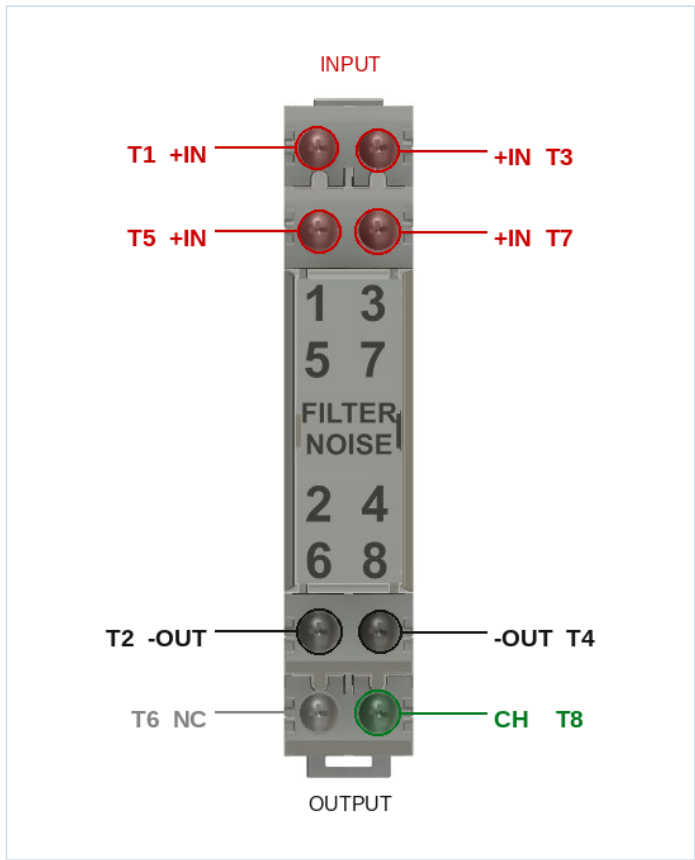
2. TECHNICAL SPECIFICATIONS

Product Reference	CMEB-1E10-DIN Noise Filter
Enclosure	CamdenBoss CMEB/1PG/KIT — DIN Rail 35mm, IP40, UL94-V0
Capacitor C1	Vishay 138 AML — 1000 uF / 40V — Axial — 10,000h @ 105 C
Resistor R1	Vishay VR68 — 22 MOhm / 1W — Metal Glaze — Non-inductive
Number of terminals	8 saddle washer screw terminals M3 (7mm)
Maximum voltage	40 V DC
Operating temperature	-40 C to +105 C
Mounting	35mm DIN Rail (EN 50022) / Surface mounting
External dimensions	90 x 61.3 x 17.86 mm (H x D x W)
Material	Polycarbonate, flame retardant UL94-V0
Standards	IEC 60384-4 / EN130 300 / CECC 30 301
Component manufacturer	Vishay Beyschlag / CamdenBoss Ltd

3. ELECTRICAL SCHEMATIC



4. TERMINAL IDENTIFICATION



Terminal	Function	Description
T1 T3 T5 T7	+IN	Positive bus — Input
T2 T4	-OUT	Negative bus — Output
T6	NC	Not connected
T8	GND	Chassis (via R1)

NC = Not connected. Terminal available for future use.

Color legend:

- +IN** Positive
- OUT** Negative
- GND** Chassis
- NC** Not connected