IN-B

Passive current transformer

Bushing-type and bar-type current transformers

For the high demands of railway and industrial engineering at higher frequencies up to 50kHz. High-quality nanocrystalline core materials guarantee the greatest degree of transmission quality and low losses. Exclusive use of UL-listed materials, fully sealed with UL94-V0 material. Current transformers for demanding applications, such as in the railway sector and general transportation sectors. Robust housing construction with reliable securing options for vertical or horizontal mounting.

Advantages

- High reliability
- Non-critical in the event of overload currents
- Current transformers for precise current measurements
- Measurements in the frequency range 16 2/3 to -50kHz
- Use of nanocrystalline and high-quality cores
- High-quality wires in temperature class F (155°C), H (180°C)
- High-quality UL listed insulating materials (e.g. UL94-V0)
- Safe electrically isolated primary and secondary circuits
- Assembly-friendly design (horizontal/vertical mounting)
- Shock and vibration tests in accordance with DIN EN 61373 Category 1 Class BB

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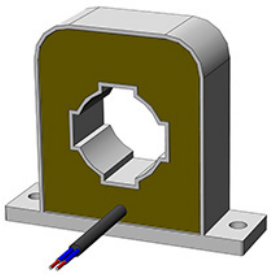

Technical data

IN-B			
Primary rated current [A]	I_{PN}	r.m.s	600
Max. primary rated current [A]	I_{maxPN}	r.m.s	720
Secondary current [mA]	I_{aN}	r.m.s	300
Rated power [VA]	P_{sek}		0,9
Ratio	K_N	1:	2000
Load resistance [Ω]	R_B		10
Voltage at load resistance [V]	U_{RB}	r.m.s	3
Measuring accuracy 50 Hz [%]	F_U	@ IPN, TA = 25°C	≤1
Ambient temperature [°C]	T_A		-25 to +70
Frequency [Hz]	f		0,05 to 50
Insulation test voltage Primary/Secondary/ 2sec [kVac]	V_P	r.m.s 50 Hz	3
Connection		3x0,5mm² with shield	cable
Storage temperature [°C]			-25 to +85
Secondary coil resistance [Ω]		@ TA = 25 °C	36,5
Weight [kg]			0,210
Standards			EN61373

Typical applications: Industry, renewable energy sources, railway engineering, metrology and testing techniques, energy, automation and building technology