

# IB 0,5

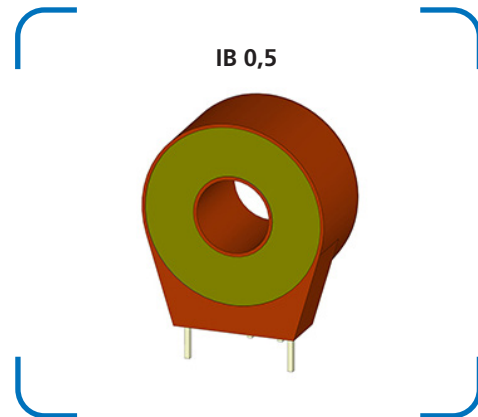
Passive Current transformer

## Instrument transformers

REO current transformers series IB are suitable for mounting on printed-circuit boards in the electric range of modern drive engineering for control purposes and measurement value logging.

## Advantages

- Low space requirement
- Suitable for PCB mounting
- Conforms to UL 94 V0
- Accuracy class 1
- Measurement in the frequency range 50-400 Hz
- Low phase error for power measurement
- Very low hysteresis and Foucault current losses
- Electrically isolated primary and secondary circuits
- Easy-to-install designs



## Technical data

IB 0,5				
Type		IB 0,5/5	IB 0,5/20	IB 0,5/40
Primary rated current [A]	$I_{pN}$	0 - 5	0 - 20	0 - 40
Max. primary rated current [A]	$I_{maxPN}$	7	25	50
Secondary current [mA]	$I_{aN}$	0 - 10	0 - 25	0 - 40
Capacity [VA]	$P_{sek}$	0 - 0,010	0 - 0,025	0 - 0,040
Ratio	$K_N$	1:500	1:800	1:1000
Load resistance [ $\Omega$ ]	$R_B$	100	40	25
Load voltage [V]	$U_{RB}$	0 - 1		
Measuring accuracy 50 Hz [%]	$F_U$	$\leq 1$		
Ambient temperature [ $^{\circ}C$ ]	$T_A$	0..+85		
Frequency [Hz]	f	50 - 400		
Insulation test voltage [kVac]	$V_p$	3		



## Dimensions in mm

IB 0,5							
Type	Primary rated current [A]	Height [mm]	Width [mm]	Depth [mm]	Opening [mm]	PIN strength [mm]	PIN length [mm]
IB 0,5/5	0 - 5	30	26,5/17,5	14,5	10,5	0,7x0,7	5,0
IB 0,5/20	0 - 20	30	26,5/17,5	14,5	10,5	0,7x0,7	5,0
IB 0,5/40	0 - 40	30	26,5/17,5	14,5	10,5	0,7x0,7	5,0

