

IE modular

Passive current transformer

A new REO development of AC current sensors in modular design

In the case of bushing-type current transformers, the customer's primary wire is pushed through the current transformer opening in the housing. The push-through opening depends on the size of the primary current. Wound primary type current transformers have a primary winding and a secondary winding. Both windings are applied on the closed toroidal core

and are isolated from each other by insulation. This principle applies mainly where primary currents are small. Low-voltage current transformers for the proportional transformation of large currents to directly measurable smaller current values.

Advantages

- Bolts or flat plug connection
- Bushing-type current transformers for direct conductor feedthrough
- Toroidal cores made of high-quality magnetic cores
- Frequency range 16 2/3 to -400Hz optional
- High core output power and high-quality insulation
- Electrically isolated primary and secondary circuits
- Designs for easy installation
- Variable connections, e.g. clamps, plugs, flat-cable plugs, flexible stranded
- Wide range of housings with various push-through openings



Technical data

IE modular					
Type IE modular		500	1000	2500	
IPN	Primary rated current	500	1000	2500	[A]
ImaxPN	Max. primary rated current	600	1200	3000	[A]
IaN	Secondary current	1000			[mA]
RB	Load resistance	5	15	30	[Ω]
URB	Load voltage	5	15	30	[V]
PSek	Capacity	5	15	30	[VA]
KN	Transmission ratio	500	1000	2500	
Fi	Measuring accuracy [50 Hz]	0,5	0,5	0,5	[%]
f	Frequency	50 - 400			[Hz]
TA	Ambient temperature	-25 to +70			[°C]
Vp	Insulation test	3			[KVac]
Connection		MS Bolts/Flat plugs 6,3 x 0,8			[mm ²]
Weight		0,8	0,8	1,8	[kg]
Standards		61869-2			

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

Dimensions in mm

IE modular										
Type	l [mm]	h1/h2 [mm]	t1/t2 [mm]	s1/s2 [mm]	b1/b2 [mm]	D [mm]	D1xD2 [mm]	f [mm]	e [mm]	x1/x2 [mm]
IE modular 500	70	76/35	38/64	57/57	57/50	30,2	30,4x10,4	4,3	4,3	36/15
IE modular 1000	94	100/47	42/72	78/78	78/60	38,5	40,5x13,5	5,3	5,3	36/15
IE modular 2500	135	141/67,5	52/88	102/102	102/70	57,5	60,5x20,5	6,5	6,5	36/15

