

Current Transformers

ES-1S-A/B/C Series

Intended for switchgear-panel manufacturers and other users, these rectangular, resin-insulated, low-voltage window-type current transformers are self-extinguishing and highly water-resistant. Each of these current transformers can be mounted on a busbar (the busbar can be either horizontally or vertically installed in the switchgear panel). Alternatively, the current transformer can be fixed directly to the switchgear panel; in this case, wiring can be done with a busbar or with insulated copper wires. The product comes with one type of mounting accessories, to be chosen by the customer from available options.

ES-1S-A Series	ES-1S-B Series	ES-1S-C Series
 <ul style="list-style-type: none"> ➤ Single-core ➤ Window-type ➤ Designed to be used with measuring or monitoring instruments 	 <ul style="list-style-type: none"> ➤ Two-core ➤ Window-type ➤ Dual-purpose: Use with measuring or monitoring instruments in addition to protective relays (simultaneously) 	 <ul style="list-style-type: none"> ➤ Single-core ➤ Split-core window-type ➤ For use with protective relays, or with measuring or monitoring instruments ➤ Can be installed onto an existing system without cutting (or removing) the primary busbar or insulated wires

Common Specifications

- Standard: IEC or IEEE
- For indoor use
- Rated voltage: ≤ 0.72 kV
- Frequency: 50/60 Hz
- AC/BIL: 3/- kV
- lth = 40 In/1S
- Included: a choice of mounting accessories
- *Other specifications and standards available upon request*

Selection Table

Series	Model	Primary Current (A)	Secondary Current (A)		Burden/Accuracy (IEC)	Approx. Weight (kg)	Additional Info
			Core 1	Core 2			
A	ES-1S-60A	400 ~ 800	5	-	30VA/1.0 or 15VA/0.5	2.1	Single-Core
	ES-1S-80A *	600 ~ 1200	5	-	30VA/1.0 or 15VA/0.5	2.1	Single-Core
	ES-1S-100A *	1000 ~ 2000	5	-	30VA/1.0 or 15VA/0.5	2.2	Single-Core
	ES-1S-120A *	2500 ~ 4000	5	-	40 VA/1.0 or 30VA/0.5	3.7	Single-Core
	ES-1S-165A *	4000 ~ 7000	5	-	40 VA/1.0 or 30VA/0.5	4.3	Single-Core
B	ES-1S-100B *	1000 ~ 2000	5	5	15VA/5P20+30VA/0.5	10	Two-Core
	ES-1S-120B *	2500 ~ 4000	5	5	15VA/5P20+30VA/0.5	9.5	Two-Core
C	ES-1S-165C	800 ~ 1000	5	-	7.5VA/5P10	6	Split-Core (Single-Core)
		1250 ~ 1600	5	-	10VA/5P10	6	Split-Core (Single-Core)

* Models marked with an asterisk require caution when mounted on a busbar. Care must be taken, when the switchgear panels are being moved or when during an earthquake, to prevent the current transformer from sliding due to its weight.