

# LOW-VOLTAGE RESIN-INSULATED CURRENT TRANSFORMERS FOR INDOOR USE

*(Window-Type)*

**EOS-RN/EOS-RM Series**



## Introduction

### ▪ *EOS-RN Series*

Low-voltage window-type current transformers *EOS-RN Series* are resin-insulated instrument transformers designed to be used in indoor settings. In an *EOS-RN* current transformer, the window is sized at 33, 38, 60, 90, or 120 mm  $\varnothing$ . On the primary side, wiring can be done with a busbar or with insulated wire. The specifications of the *EOS-RN Series* allow a Primary Current of 100A~3200A and offer a Burden and Accuracy of 15~30VA/1.0CL. When used for billing purposes, and if the Primary Current is above 200A, the *EOS-RN Series* Current Transformers offer a Burden and Accuracy of 5~30VA/0.5CL. (however, if the Primary Current is under 100A, it is necessary to adjust the number of primary turns). Each of the *EOS-RN Series* Current Transformers comes with a sealable terminal cover for its secondary side. Fixed with a metal base and featuring a fine exterior, these compact-sized current transformers are characterized by their excellent physical and electrical properties.

### ▪ *EOS-RM Series*

Sharing similar specifications with the *EOS-RN Series* (please refer to Selection Table), the *EOS-RM Series* Current Transformers are compact in size and economically priced.

## Specifications

- Standard: IEC or IEEE
- Indoor Use
- Rated Voltage: Up to 0.72 kV
- Frequency: 50 or 60 Hz
- AC/BIL: 3/- kV
- $I_{th} = 40 \text{ In}/1\text{S}$
- *Other Standards and Specifications available.*

## Selection Table

Model	Primary Current (A)	Secondary Current (A)	Burden and Accuracy (Standard: IEC)	Approx. Weight (kg)
EOS-33RN	100 ~ 150	5 or 1	15VA / 1.0CL	1.9
	200 ~ 300		30(15)VA / 1.0(0.5)CL	
EOS-38RN	200 ~ 300		15VA / 1.0CL	1.2
	350 ~ 500		30(15)VA / 1.0(0.5)CL	
EOS-60RN	500 ~ 700		30(15)VA / 1.0(0.5)CL	1.4
EOS-90RN	800 ~ 1200			1.7
EOS-120RN	1500 ~ 3200			2.2
EOS-33RM	100 ~ 150		5VA / 1.0CL	0.9
	200 ~ 300		15VA / 1.0CL	0.9
EOS-60RM	400 ~ 800			1.1

Note: Other specifications available upon request.



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