

# Type RMB(X)-644

## Indoor/outdoor current transformer

### Product features

- 600 volt, 10 kV BIL, 60 Hz
- Indoor/outdoor
- Single, dual, and multi ratios
- Approximate weight: 100 lbs. (45 kg)

### Application

The RMB(X)-644 indoor/outdoor, window-type current transformer is rated for use on 600 volt systems with 10 kV BIL. Primary current ratios are available from 200:5 to 4000:5 at 60 Hertz, with a rating factor of up to 4.0. This dry-type, solid-cast current transformer will operate with high accuracy for metering or relay applications.

### Mechanical description

The core and coil assembly is wound and encapsulated in a molded cast resin with a standard 3.5" window (other sizes available from 2.0" to 6.0"). The secondary terminals are ¼"-20 copper studs with associated hardware located inside a removable terminal box with two (2) 1" NPT conduit hubs.

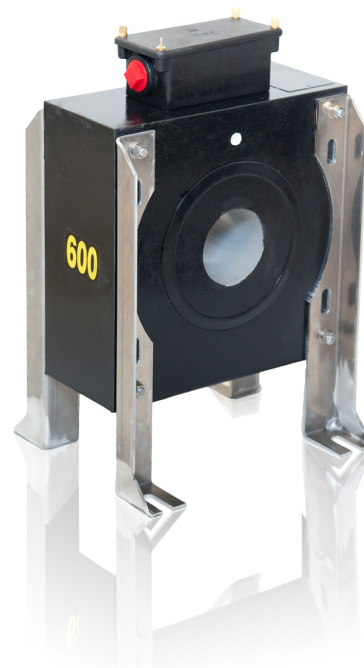
### Accuracy performance

The RMB-644 will operate with 0.3 class accuracy for metering with burdens of B-0.1 to B-1.8 and up to C800 for some relay applications. The transformer is accurate through its rating factor, and can be used continuously to this level.

The RMBX-644 will operate with 0.15 class high accuracy for metering applications with burdens of B-0.1 to B-1.8. The transformer maintains 0.3 accuracy from 1% of  $I_{nom}$  through its rating factor, and can be used continuously to this level (for 0.15 accuracy range, see ratings specific to each ratio).

### Mounting

The RMB is designed for mounting in the upright, underhung, or cantilever position. Open end slots are provided on the aluminum mounting legs.



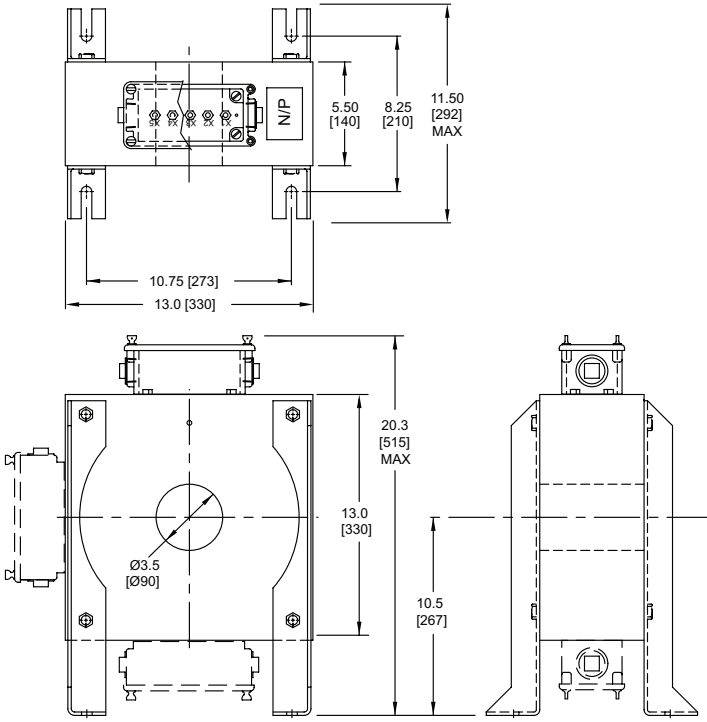
### Testing

This unit can be tested to all applicable IEEE, CSA, or IEC standards as requested.

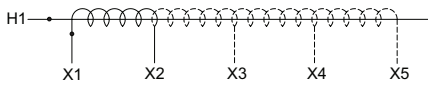
### Options

The RMB is available with a primary bus bar kit. Contact factory for other needs.

## Unit dimensions



Type RMB(X)-644



Wiring diagram

## RMB-644 selection guide

Ratio	Metering accuracy	Relay accuracy	Rating factor	Style number
200:5	0.3B-0.2	C100	3.0	A120200S1
300:5	0.3B-0.5	C200	3.0	A120300S1
400:5	0.3B-0.9	C250	3.0	A120400S1
500:5	0.3B-1.8	C300	3.0	A120500S1
600:5	0.3B-1.8	C400	3.0	A120600S1
800:5	0.3B-1.8	C400	2.0	A120800S1
1000:5	0.3B-1.8	C400	2.0	A121000S1
1200:5	0.3B-1.8	C400	2.0	A121200S1
1500:5	0.3B-1.8	C400	2.0	A121500S1
2000:5	0.3B-1.8	C400	2.0	A122000S1
2500:5	0.3B-1.8	C400	2.0	A122500S1
3000:5	0.3B-1.8	C800	2.0	A123000S1
4000:5	0.3B-1.8	C800	1.5	A124000S1
600:5 MR	0.3B-1.8	C400	2.0	A120600M1
1200:5 MR	0.3B-1.8	C400	2.0	A121200M1
2000:5 MR	0.3B-1.8	C400	2.0	A122000M1
3000:5 MR	0.3B-1.8	C400	2.0	A123000M1
4000:5 MR	0.3B-1.8	C400	2.0	A124000M1

Available in dual-ratio designs (ratings same as single ratio above, change catalog digit S to D).

Units can also be supplied with C800 ratings (add "-512" to the end of the style number)

One second thermal/mechanical ratings: 80 x full winding  $I_{nom}$  / unlimited mechanical.

## RMBX-644 selection guide

Ratio	0.15/0.3 @ burden	0.15/0.3 acc range	Rating factor @ 30°C	Style number
400	B-0.5/B-0.9	400/4 to 1200A	3.0	A120400X1
500	B-0.5/B-1.8	500/5 to 2000A	4.0	A120500X1
600	B-0.9/B-1.8	600/6 to 2400A	4.0	A120600X1
800	B-0.9/B-1.8	800/8 to 3200A	4.0	A120800X1
1000	B-1.8	10 to 4000A	4.0	A121000X1
1200	B-1.8	12 to 4800A	4.0	A121200X1
1500	B-1.8	15 to 4500A	3.0	A121500X1
2000	B-1.8	20 to 4000A	2.0	A122000X1

One second thermal/mechanical ratings: 80 x full winding  $I_{nom}$  / unlimited mechanical.

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