

## Bushing Current Transformers CB SERIES



- Indoor or Outdoor
- Primary current from 50 to 60000 A
- Inner diameter from 40mm to 500 mm
- Insulation 0.75/4 kV
- Measurement and protection

Current transformers moulded in self-extinguishing resin for the measurement of AC current from 50 to 60000A.

With inner diameters between 40 and 500 mm, these transformers are often used on bushing of power transformers. Or on generator bushing insulators. 2 versions, indoor or outdoor, are available. The outdoor version is equipped with weatherproof terminal box fitted with 2 cable glands.

| Technical data                             |                                                         |
|--------------------------------------------|---------------------------------------------------------|
| Highest voltage for equipment              | 750V                                                    |
| power-frequency withstand voltage          | 4000V                                                   |
| primary current I <sub>pn</sub>            | 50 to 60000A                                            |
| secondary current I <sub>sn</sub>          | 5 or 1A                                                 |
| Frequency                                  | 50 or 60 Hz                                             |
| Rated output                               | 1 to 500 VA                                             |
| Accuracy class                             | 0.5 - 1 - 3 - 5p - 10p - CIX                            |
| Security factor                            | 5 to 30                                                 |
| Accuracy limit factor                      | 5-10-15-20-30                                           |
| Continuous thermal current                 | 1.2 to 1.5I <sub>pn</sub> and 2I <sub>pn</sub>          |
| short-time thermal current I <sub>th</sub> | 25 to 1000I <sub>pn</sub>                               |
| Dynamic current I <sub>dyn</sub>           | 2.5I <sub>th</sub>                                      |
| Insulation class                           | E                                                       |
| Altitude                                   | 1000 m                                                  |
| Ambient temperature                        | -5C° to + 40 C°<br>-25C° to + 40 C°<br>-40C° to + 40 C° |
| Standards                                  | IEC60044-1, IEC61869-2, IEC60044-2                      |

| Other characteristics on request  |                                                |
|-----------------------------------|------------------------------------------------|
| Highest voltage for equipment     | Up to 2400 V                                   |
| power-frequency withstand voltage | Up to 11 KV                                    |
| secondary current I <sub>sn</sub> | 0.005 to 10 A                                  |
| Frequency                         | 1 to 10000 Hz                                  |
| Accuracy class                    | 0.1 - 0.2 - 0.2S - 0.5S - 5P - 10P - clX       |
| Accuracy limit factor             | 5 - 10 - 15 - 20 - 30                          |
| Multi - ratio                     | By secondary tapping                           |
| Multiple cores                    | Up to 4 cores                                  |
| Continuous thermal current        | 1.2 to 1.5I <sub>pn</sub> and 2I <sub>pn</sub> |
| Ambient temperature               | -40C° to + 70 C°                               |
| Standard                          | ANSI C57.13 - CAN3 C13 - AS 1675               |
| Accessories/Option                |                                                |
| Water proof terminal cover        | Standard on outdoor version                    |

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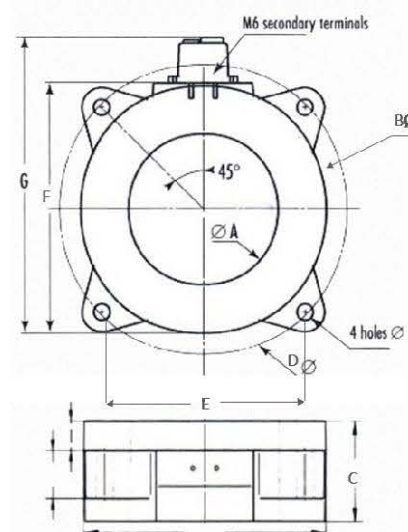


## Selection table and dimension

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| selection table and dimensions |     |     |     |     |     |     |
|--------------------------------|-----|-----|-----|-----|-----|-----|
| Type                           | A   | B   | C   | D   | E   | F   |
|                                | mm  | mm  | mm  | mm  | mm  | mm  |
| CB150                          | 40  | 150 | 80  | 178 | 126 | 163 |
|                                | 70  | 150 | 80  | 178 | 126 | 163 |
|                                | 90  | 150 | 80  | 178 | 126 | 163 |
|                                | 110 | 150 | 80  | 178 | 126 | 163 |
| CB200                          | 125 | 200 | 100 | 234 | 165 | 216 |
|                                | 135 | 200 | 60  | 234 | 165 | 216 |
|                                | 100 | 200 | 100 | 234 | 165 | 216 |
|                                | 100 | 200 | 150 | 234 | 165 | 216 |
|                                | 135 | 200 | 100 | 234 | 165 | 216 |
| CB210                          | 100 | 210 | 60  | 249 | 176 | 226 |
|                                | 120 | 210 | 60  | 249 | 176 | 226 |
|                                | 100 | 210 | 100 | 249 | 176 | 226 |
|                                | 80  | 210 | 120 | 249 | 176 | 226 |
|                                | 120 | 210 | 120 | 249 | 176 | 226 |
| CB230                          | 160 | 230 | 80  | 262 | 183 | 243 |
| CB237                          | 130 | 237 | 60  | 262 | 185 | 254 |
| CB240                          | 106 | 240 | 60  | 262 | 185 | 254 |
|                                | 120 | 240 | 60  | 262 | 185 | 254 |
|                                | 130 | 240 | 60  | 262 | 185 | 254 |
|                                | 130 | 240 | 80  | 262 | 185 | 254 |
|                                | 106 | 240 | 100 | 262 | 185 | 254 |
| CB250                          | 120 | 250 | 75  | 284 | 201 | 267 |
|                                | 120 | 250 | 75  | 284 | 201 | 267 |
|                                | 70  | 250 | 80  | 284 | 201 | 267 |
|                                | 80  | 250 | 80  | 284 | 201 | 267 |
|                                | 90  | 250 | 80  | 284 | 201 | 267 |
|                                | 100 | 250 | 80  | 284 | 201 | 267 |
|                                | 110 | 250 | 80  | 284 | 201 | 267 |
|                                | 120 | 250 | 80  | 284 | 201 | 267 |
|                                | 150 | 250 | 80  | 284 | 201 | 267 |
|                                | 160 | 250 | 80  | 284 | 201 | 267 |
|                                | 120 | 250 | 50  | 284 | 201 | 267 |
|                                | 150 | 250 | 50  | 284 | 201 | 267 |
|                                | 150 | 250 | 60  | 284 | 201 | 267 |
|                                | 150 | 250 | 70  | 284 | 201 | 267 |
|                                | 90  | 250 | 100 | 284 | 201 | 267 |
|                                | 120 | 250 | 100 | 284 | 201 | 267 |
|                                | 150 | 250 | 100 | 284 | 201 | 267 |
|                                | 170 | 250 | 100 | 284 | 201 | 267 |
|                                | 80  | 250 | 120 | 284 | 201 | 267 |
|                                | 100 | 250 | 120 | 284 | 201 | 267 |
|                                | 120 | 250 | 120 | 284 | 201 | 267 |
|                                | 150 | 250 | 120 | 284 | 201 | 267 |
|                                | 160 | 250 | 120 | 284 | 201 | 267 |
|                                | 170 | 250 | 120 | 284 | 201 | 267 |
|                                | 180 | 250 | 120 | 284 | 201 | 267 |
|                                | 110 | 250 | 250 | 284 | 201 | 267 |

| selection table and dimensions |     |     |     |       |     |       |
|--------------------------------|-----|-----|-----|-------|-----|-------|
| Type                           | A   | B   | C   | D     | E   | F     |
|                                | mm  | mm  | mm  | mm    | mm  | mm    |
| CB280                          | 80  | 280 | 100 | 326   | 231 | 300.5 |
|                                | 100 | 280 | 150 | 326   | 231 | 300.5 |
|                                | 100 | 280 | 200 | 326   | 231 | 300.5 |
|                                | 120 | 280 | 100 | 326   | 231 | 300.5 |
|                                | 150 | 280 | 100 | 326   | 231 | 300.5 |
|                                | 120 | 280 | 150 | 326   | 231 | 300.5 |
|                                | 150 | 280 | 150 | 326   | 231 | 300.5 |
|                                | 150 | 280 | 200 | 326   | 231 | 300.5 |
|                                | 170 | 280 | 80  | 326   | 231 | 300.5 |
|                                | 180 | 280 | 80  | 326   | 231 | 300.5 |
|                                | 195 | 280 | 80  | 326   | 231 | 300.5 |
|                                | 170 | 280 | 120 | 326   | 231 | 300.5 |
| CB300                          | 170 | 280 | 150 | 326   | 231 | 300.5 |
|                                | 150 | 300 | 50  | 333.5 | 236 | 335   |
|                                | 150 | 300 | 70  | 333.5 | 236 | 335   |
|                                | 160 | 300 | 70  | 333.5 | 236 | 335   |
|                                | 170 | 300 | 70  | 333.5 | 236 | 335   |
|                                | 150 | 300 | 90  | 333.5 | 236 | 335   |
|                                | 110 | 300 | 250 | 333.5 | 236 | 335   |
|                                | 150 | 300 | 250 | 333.5 | 236 | 335   |
|                                | 150 | 300 | 200 | 333.5 | 236 | 335   |
|                                | 170 | 300 | 200 | 333.5 | 236 | 335   |
|                                | 180 | 300 | 50  | 333.5 | 236 | 335   |
|                                | 180 | 300 | 75  | 333.5 | 236 | 335   |
|                                | 180 | 300 | 90  | 333.5 | 236 | 335   |
|                                | 180 | 300 | 115 | 333.5 | 236 | 335   |
|                                | 200 | 300 | 50  | 333.5 | 236 | 335   |
|                                | 200 | 300 | 50  | 333.5 | 236 | 335   |
|                                | 200 | 300 | 75  | 333.5 | 236 | 335   |
|                                | 200 | 300 | 90  | 333.5 | 236 | 335   |
|                                | 200 | 300 | 90  | 333.5 | 236 | 335   |



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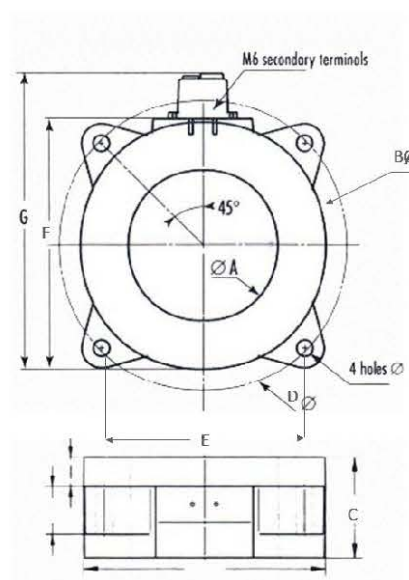


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selection table and dimensions

| Type  | A   | B   | C   | D   | E   | F   |
|-------|-----|-----|-----|-----|-----|-----|
|       | mm  | mm  | mm  | mm  | mm  | mm  |
| CB350 | 100 | 350 | 180 | 383 | 271 | 376 |
|       | 170 | 350 | 180 | 383 | 271 | 376 |
|       | 220 | 350 | 180 | 383 | 271 | 376 |
|       | 75  | 350 | 200 | 383 | 271 | 376 |
|       | 100 | 350 | 200 | 383 | 271 | 376 |
|       | 120 | 350 | 200 | 383 | 271 | 376 |
|       | 150 | 350 | 200 | 383 | 271 | 376 |
|       | 200 | 350 | 200 | 383 | 271 | 376 |
|       | 100 | 350 | 260 | 383 | 271 | 376 |
|       | 120 | 350 | 260 | 383 | 271 | 376 |
| CB360 | 140 | 360 | 80  | 397 | 281 | 386 |
|       | 180 | 360 | 80  | 397 | 281 | 386 |
|       | 220 | 360 | 80  | 397 | 281 | 386 |
|       | 280 | 360 | 80  | 397 | 281 | 386 |
|       | 120 | 360 | 100 | 397 | 281 | 386 |
|       | 150 | 360 | 100 | 397 | 281 | 386 |
|       | 150 | 360 | 140 | 397 | 281 | 386 |
|       | 200 | 360 | 100 | 397 | 281 | 386 |
|       | 230 | 360 | 60  | 397 | 281 | 386 |
|       | 250 | 360 | 100 | 397 | 281 | 386 |
| CB400 | 150 | 400 | 120 | 438 | 310 | 417 |
|       | 200 | 400 | 120 | 438 | 310 | 417 |
|       | 250 | 400 | 120 | 438 | 310 | 417 |
|       | 250 | 400 | 170 | 438 | 310 | 417 |
|       | 300 | 400 | 120 | 438 | 309 | 418 |
|       | 310 | 400 | 120 | 438 | 309 | 418 |
|       | 300 | 400 | 200 | 438 | 309 | 418 |



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