

Catalogue number: **RCT**□-□□□□

Rishabh Solid Core Current Transformer 30-2500A, 5A Secondary

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TOBIN
ELECTRICAL COMPONENTS



Solid Core CT 30-2500A

- Wide range of System Current Ratings
- Hinged Terminal Covers
- Degree of Protection; IP20
- Rated Secondary Output; 5A
- Case; Flame retardant Graded Classified UL 94V-0
- CE Approved Class Accuracy; 0.5 and 1
- Applicable Standards; IEC-61869-1&2 / IEC- 60044 -1

| RCT | | □-□□□□ | |
|------------|--------------|-----------------------|--------|
| Frame Size | | Rated Primary Current | |
| 1 | 30 - 150 A | 30 | 30 A |
| 2 | 200 - 300 A | - | - |
| 3 | 300 - 600 A | 2500 | 2500 A |
| 4 | 600 - 2000 A | | |
| 5 | 1200 - 2500A | | |

Properties

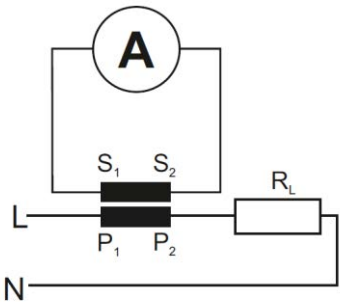
| Properties | |
|--|---|
| Manufacturer | RISHABH |
| Product Range | Solid Core CTs |
| System Voltage | 720V Maximum |
| Operating frequency | 50Hz / 60 Hz |
| Rated Primary Rating | 30 - 2500 A |
| Rated Secondary Rating | 5A |
| Class Accuracy | 0.5 and 1 |
| Rated Continuous Thermal Current | 1.2 x I _n |
| Rated Short-Circuit Thermal Current, I _{th} | 60 x I _n , 1s (Max 40kA) |
| Tested Insulation | 3KV 50 Hz for 1 min |
| Insulation Class | E (120°C max) |
| Case | 10% Glass Filled Polycarbonate Flame Retardant Grade Classified UL 94V-0 |
| Ambient temperature | 25°C to +40°C |
| Storage temperature | 50°C to +80°C |
| Instrument Security Factor (FS) | 2.5, 5, 10 |
| Degree of Protection | IP20 |
| Degree of Pollution | 2 |

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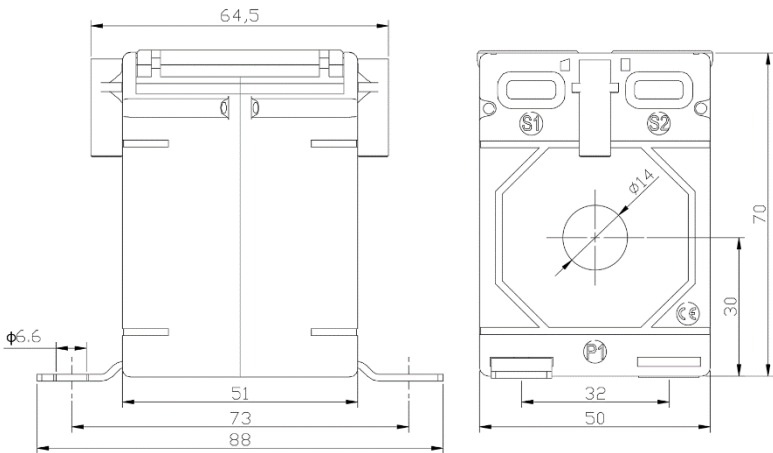


Wiring Diagram



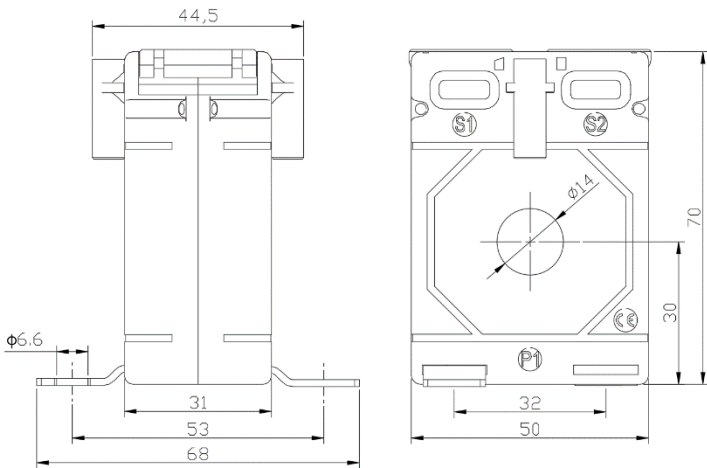
Dimensions and Rated Burden for RCT1-30

| Part Number | Rated Burden | |
|-------------|--------------|----|
| | Class 1 | VA |
| RCT1-30 | | 1 |



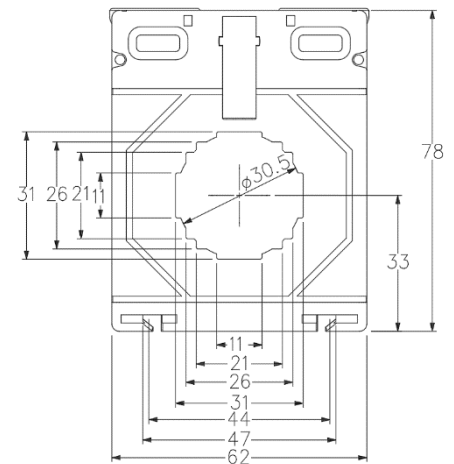
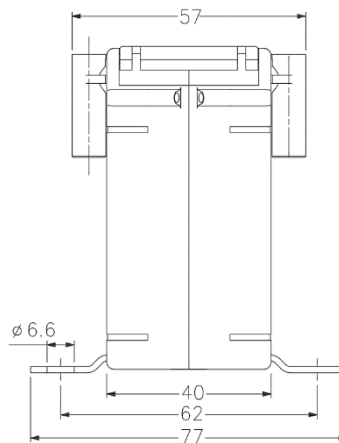
Dimensions and Rated Burden for RCT1-40

| Part Number | Rated Burden | |
|-------------|--------------|----|
| | Class 1 | VA |
| RCT1-40 | | 1 |



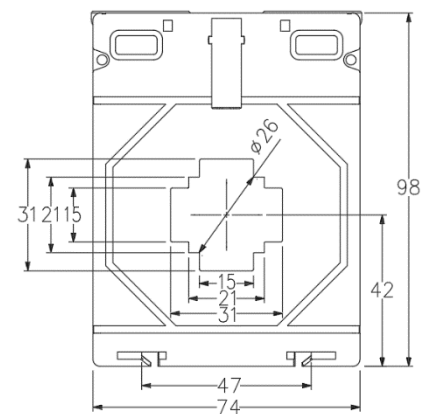
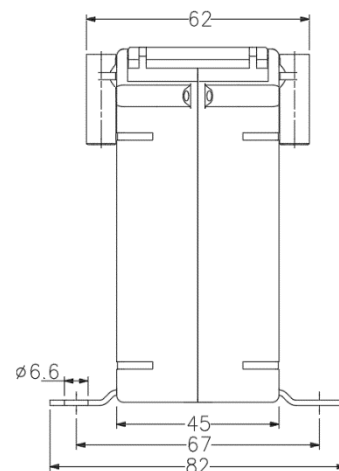
Dimensions and Rated Burden for RCT1-□□□

| Part Number | Rated Burden | |
|-------------|-----------------|---------------|
| | Class 0.5 VA | Class 1 VA |
| RCT1-50 | | 1.25 |
| RCT1-60 | | 1.5 |
| RCT1-75 | | 2.5 |
| RCT1-80 | | 2 |
| RCT1-100 | 1.5 | 3.75 |
| RCT1-120 | 2.5 | 3.75 |
| RCT1-125 | 2.5 | 3.75 |
| RCT1-150 | 3.75 | 5 |



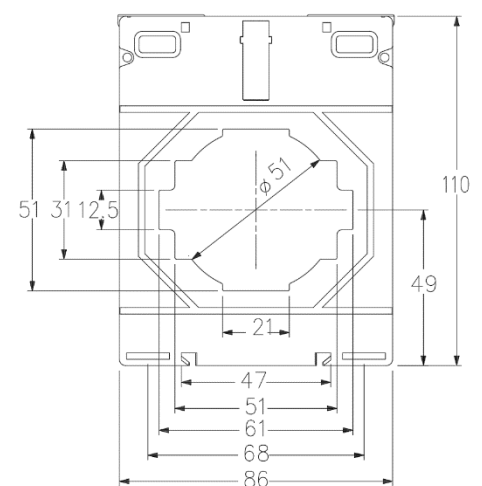
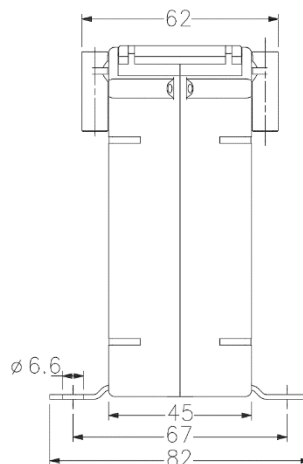
Dimensions and Rated Burden for RCT2-□□□

| Part Number | Rated Burden | |
|-------------|-----------------|---------------|
| | Class 0.5 VA | Class 1 VA |
| RCT2-200 | 1.5 | 3.75 |
| RCT2-250 | 2.5 | 5 |
| RCT2-300 | 5 | 7.5 |



Dimensions and Rated Burden for RCT3-□□□

| Part Number | Rated Burden | |
|-------------|-----------------|---------------|
| | Class 0.5 VA | Class 1 VA |
| RCT3-300 | 5 | 7.5 |
| RCT3-400 | 10 | 12.5 |
| RCT3-500 | 10 | 15 |
| RCT3-600 | 15 | 15 |



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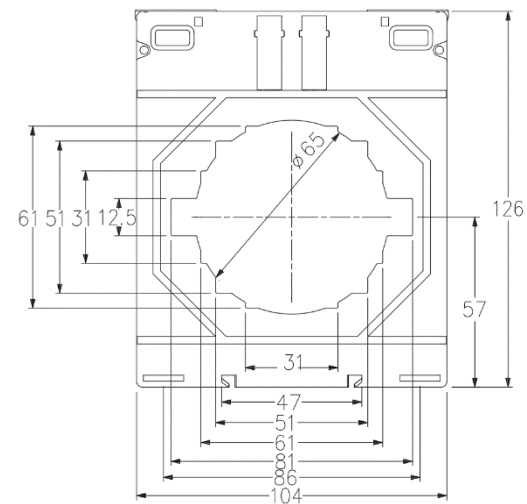
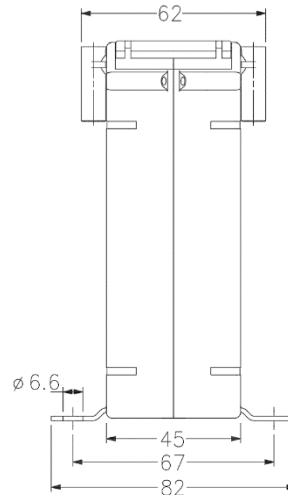
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Dimensions and Rated Burden for RCT4-□□□□

| Part Number | Rated Burden | |
|-------------|-----------------|---------------|
| | Class 0.5 VA | Class 1 VA |
| RCT4-600 | 10 | 12.5 |
| RCT4-750 | 15 | 15 |
| RCT4-800 | 15 | 15 |
| RCT4-1000 | 20 | 30 |
| RCT4-1200 | 20 | 30 |
| RCT4-1250 | 20 | 30 |
| RCT4-1500 | 20 | 30 |
| RCT4-1600 | 20 | 30 |
| RCT4-2000 | 20 | 30 |



Dimensions and Rated Burden for RCT5-□□□□

| Part Number | Rated Burden | |
|-------------|-----------------|---------------|
| | Class 0.5 VA | Class 1 VA |
| RCT5-1200 | 15 | 30 |
| RCT5-1250 | 15 | 30 |
| RCT5-1500 | 20 | 30 |
| RCT5-1600 | 20 | 45 |
| RCT5-2000 | 45 | 45 |
| RCT5-2500 | 45 | 45 |

