

VAC

electrical suppliers

Transformers

Current: Metering, Protection and Summation type.

Voltage: Transducer power transformers, Constant voltage regulators

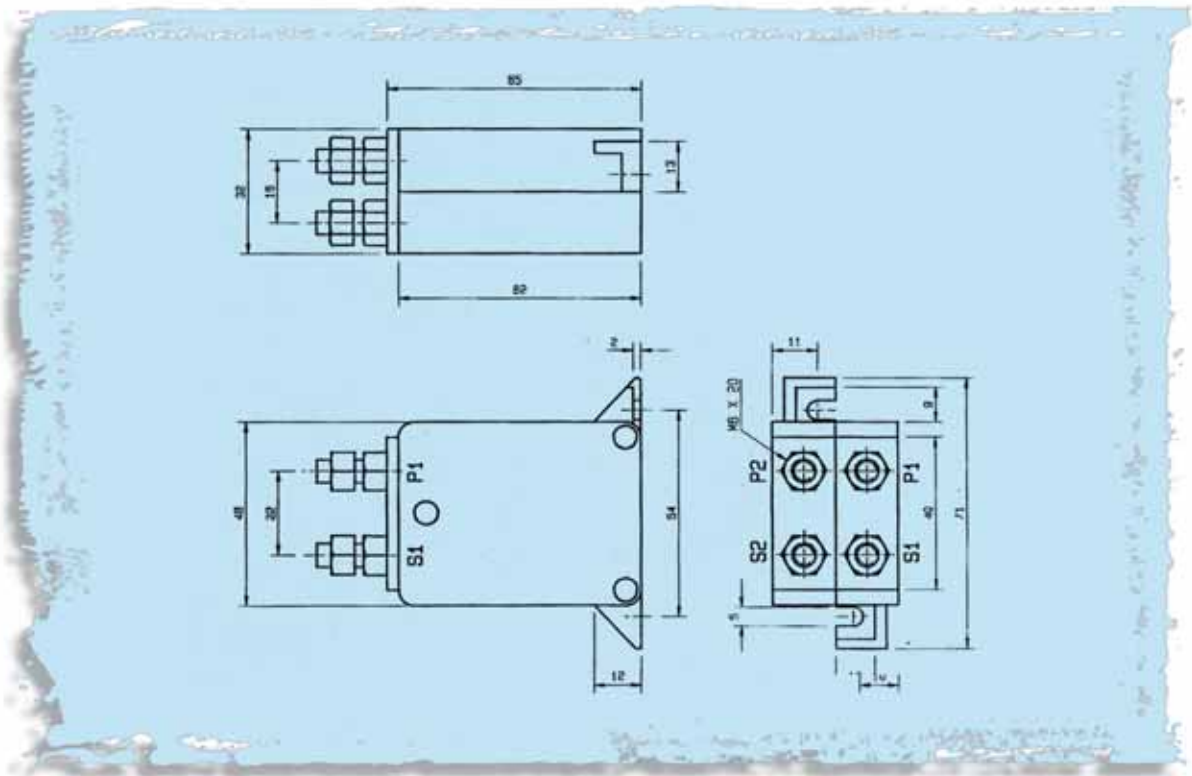
Voltage and P.C.B. transformers.

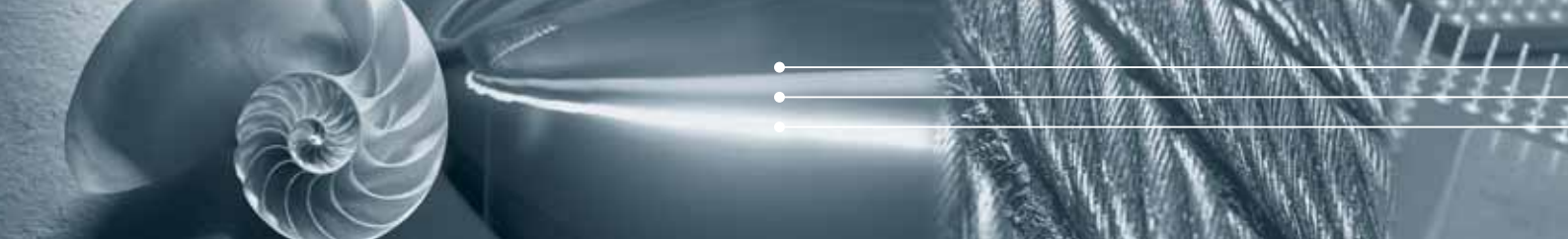


SWP Moulded Case Current Transformer



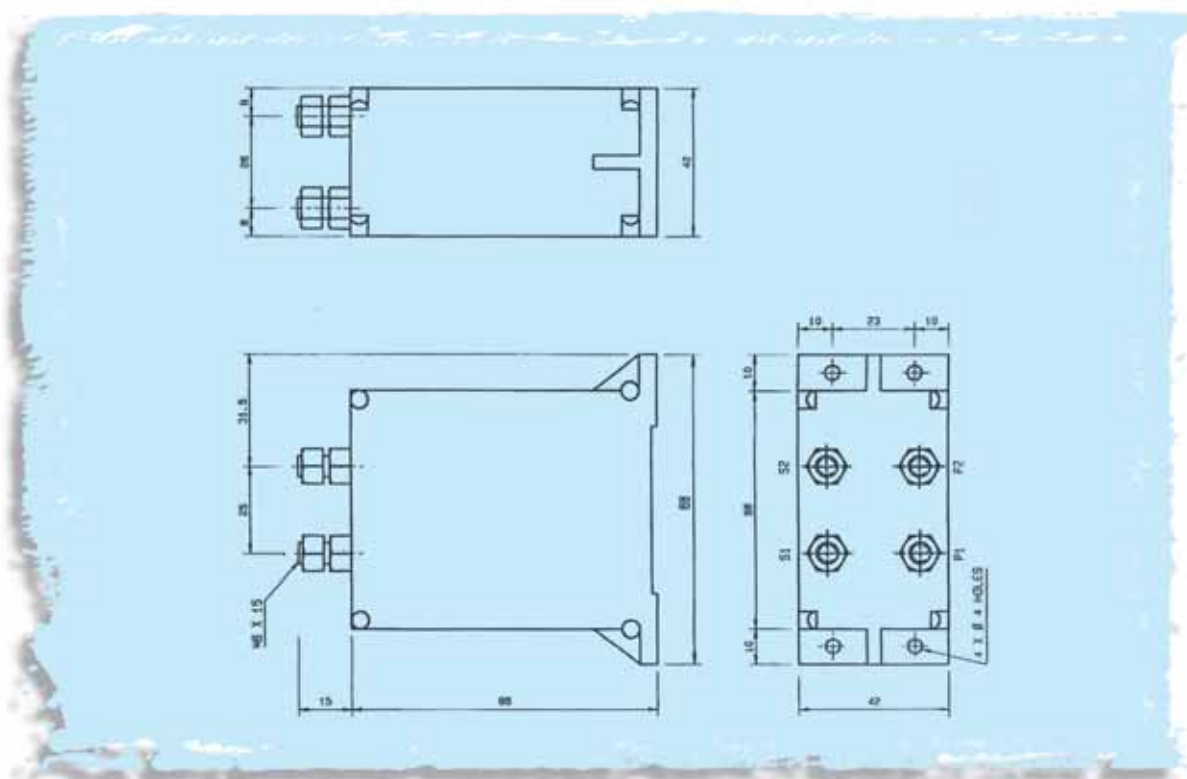
| Rated Current | VA (1amp) | | | | VA (5amp) | | | |
|------------------|-----------|-----|-----|-----|-----------|-----|-----|-----|
| | CL3 | CL1 | 0.5 | 0.2 | CL3 | CL1 | 0.5 | 0.2 |
| 1 | 5 | 2.5 | 2.5 | 0 | 3.75 | 2.5 | 0 | 0 |
| 2 | 5 | 2.5 | 2.5 | 0 | 3.75 | 2.5 | 0 | 0 |
| 2.5 | 5 | 2.5 | 2.5 | 0 | 3.75 | 2.5 | 0 | 0 |
| 3 | 5 | 2.5 | 2.5 | 0 | 3.75 | 2.5 | 0 | 0 |
| 5 | 5 | 2.5 | 2.5 | 0 | 3.75 | 2.5 | 0 | 0 |
| 7.5 | 5 | 2.5 | 2.5 | 0 | 3.75 | 2.5 | 0 | 0 |
| 10 | 5 | 2.5 | 2.5 | 0 | 3.75 | 2.5 | 0 | 0 |
| 15 | 5 | 2.5 | 2.5 | 0 | 3.75 | 2.5 | 0 | 0 |
| 20 | 5 | 2.5 | 2.5 | 0 | 3.75 | 2.5 | 0 | 0 |
| 25 | 5 | 2.5 | 2.5 | 0 | 3.75 | 2.5 | 0 | 0 |
| 30 | 5 | 2.5 | 2.5 | 0 | 3.75 | 2.5 | 0 | 0 |
| 40 | 5 | 2.5 | 2.5 | 0 | 3.75 | 2.5 | 0 | 0 |
| 50 | 5 | 2.5 | 2.5 | 0 | 3.75 | 2.5 | 0 | 0 |





BWP 10 Moulded Case Current Transformer

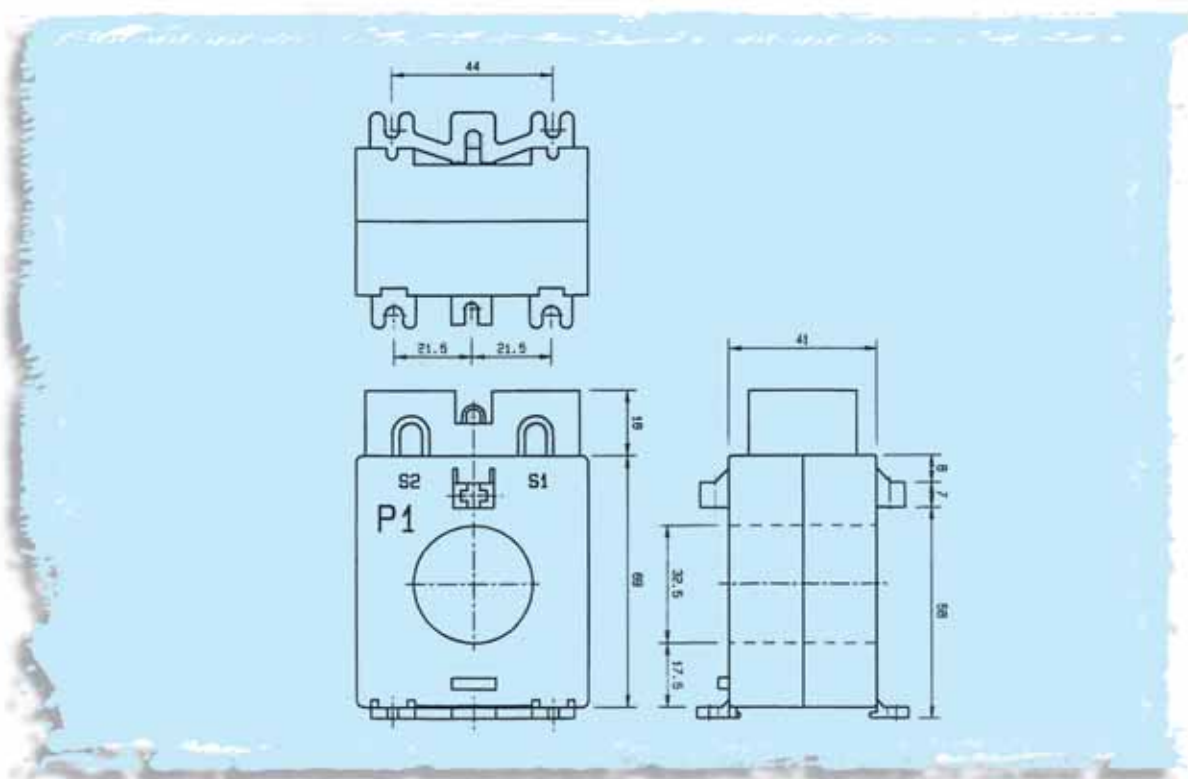
| Rated Current | VA (1amp) | | | | VA (5amp) | | | |
|---------------|-----------|-----|-----|-----|-----------|-----|-----|-----|
| | CL3 | CL1 | 0.5 | 0.2 | CL3 | CL1 | 0.5 | 0.2 |
| 1 | 15 | 10 | 7.5 | 0 | 15 | 10 | 0 | 0 |
| 2 | 15 | 10 | 7.5 | 0 | 15 | 10 | 0 | 0 |
| 2.5 | 15 | 10 | 7.5 | 0 | 15 | 10 | 0 | 0 |
| 3 | 15 | 10 | 7.5 | 0 | 15 | 10 | 0 | 0 |
| 5 | 15 | 10 | 7.5 | 0 | 15 | 10 | 0 | 0 |
| 7.5 | 15 | 10 | 7.5 | 0 | 15 | 10 | 0 | 0 |
| 10 | 15 | 10 | 7.5 | 0 | 15 | 10 | 0 | 0 |
| 15 | 15 | 10 | 7.5 | 0 | 15 | 10 | 0 | 0 |
| 20 | 15 | 10 | 7.5 | 0 | 15 | 10 | 0 | 0 |
| 25 | 15 | 10 | 7.5 | 0 | 15 | 10 | 0 | 0 |
| 30 | 15 | 10 | 7.5 | 0 | 15 | 10 | 0 | 0 |
| 40 | 15 | 10 | 7.5 | 0 | 15 | 10 | 0 | 0 |
| 50 | 15 | 10 | 7.5 | 0 | 15 | 10 | 0 | 0 |
| 60 | 15 | 10 | 7.5 | 0 | 15 | 10 | 0 | 0 |
| 75 | 15 | 10 | 7.5 | 0 | 15 | 10 | 0 | 0 |
| 80 | 15 | 10 | 7.5 | 0 | 15 | 10 | 0 | 0 |
| 100 | 15 | 10 | 7.5 | 0 | 15 | 10 | 0 | 0 |



MN1 Moulded Case Ring Current Transformer

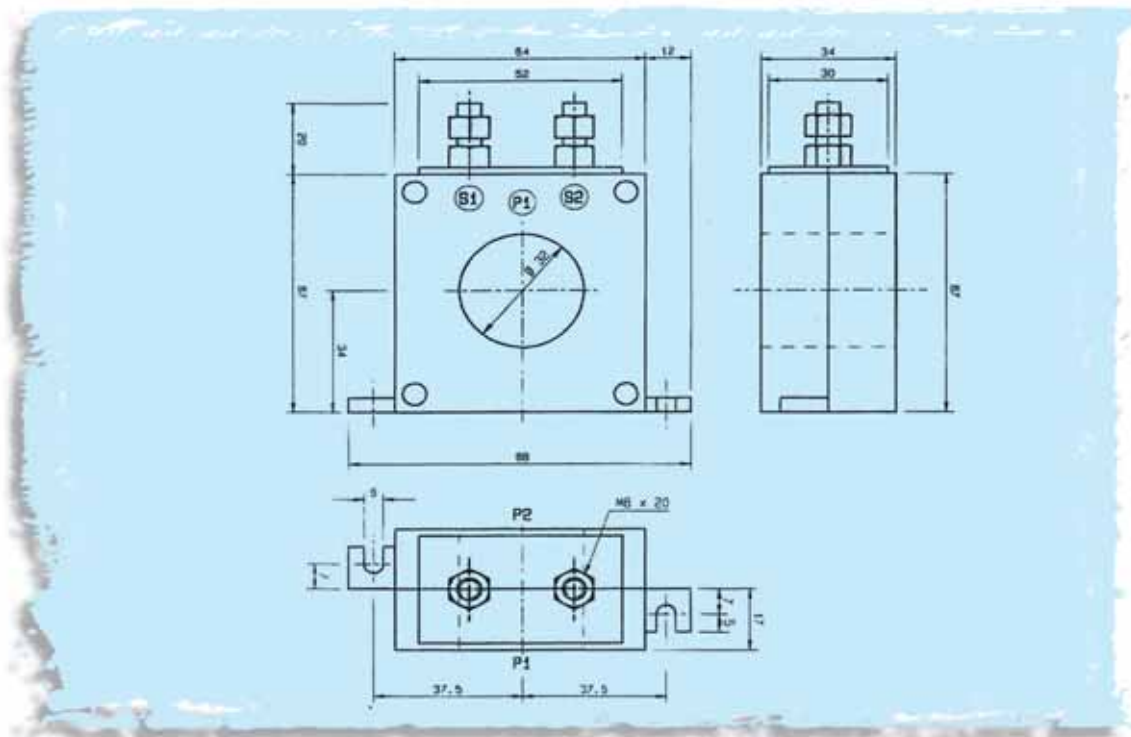


| Rated Current | VA (1amp) | | | | VA (5amp) | | | |
|---------------|-----------|------|-----|-----|-----------|-----|-----|-----|
| | CL3 | CL1 | 0.5 | 0.2 | CL3 | CL1 | 0.5 | 0.2 |
| 50 | 1.5 | 0 | 0 | 0 | 1.5 | 0 | 0 | 0 |
| 60 | 2 | 1 | 0 | 0 | 2 | 1.5 | 0 | 0 |
| 75 | 2.5 | 0.75 | 0 | 0 | 2.5 | 1.5 | 0 | 0 |
| 80 | 2.5 | 0.75 | 0 | 0 | 2.5 | 1.5 | 0 | 0 |
| 100 | 3 | 2.5 | 0 | 0 | 2.5 | 1.5 | 0 | 0 |
| 125 | 5 | 2.5 | 0 | 0 | 5 | 3 | 0 | 0 |
| 150 | 7.5 | 5 | 0 | 0 | 7.5 | 5 | 0 | 0 |
| 175 | 10 | 7.5 | 0 | 0 | 7.5 | 5 | 0 | 0 |
| 200 | 10 | 7.5 | 0 | 0 | 10 | 7.5 | 5 | 0 |
| 250 | 15 | 10 | 0 | 0 | 20 | 15 | 5 | 0 |
| 300 | 0 | 15 | 7.5 | 0 | 0 | 15 | 0 | 0 |
| 400 | 0 | 15 | 10 | 0 | 0 | 15 | 0 | 0 |



MR1 Moulded Case Ring Current Transformer

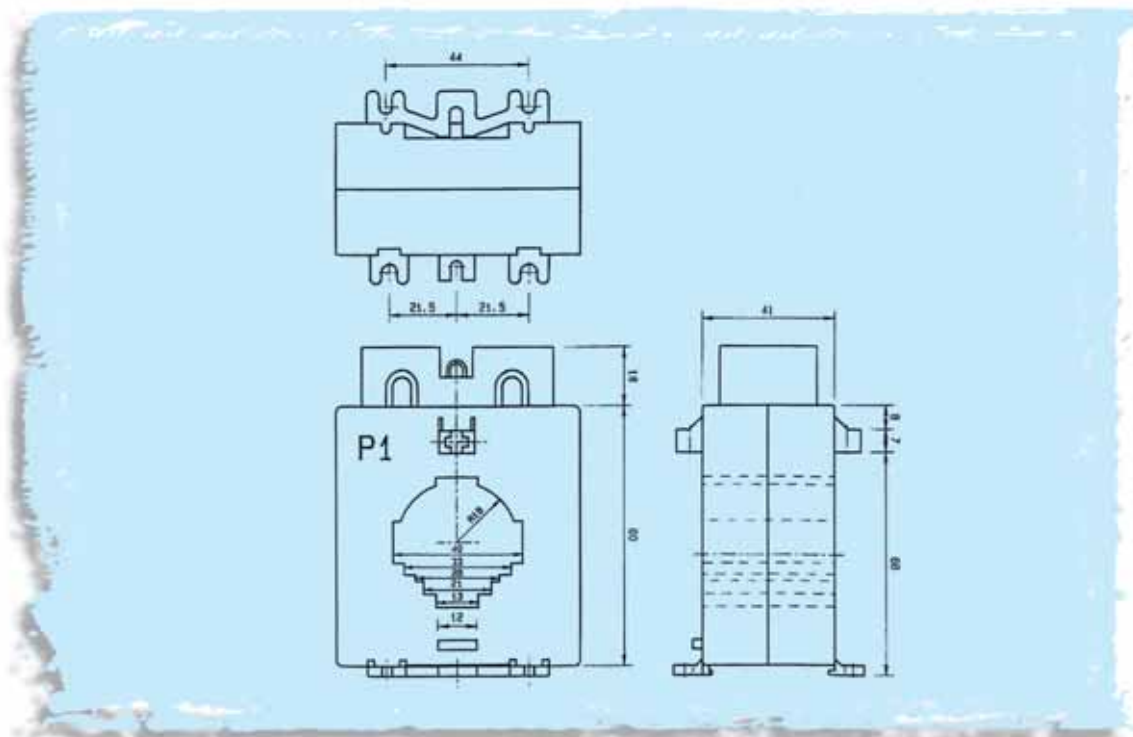
| Rated Current | VA (1amp) | | | | VA (5amp) | | | |
|---------------|-----------|------|-----|-----|-----------|-----|-----|-----|
| | CL3 | CL1 | 0.5 | 0.2 | CL3 | CL1 | 0.5 | 0.2 |
| 50 | 1.5 | 0 | 0 | 0 | 1.5 | 0 | 0 | 0 |
| 60 | 2 | 1 | 0 | 0 | 2 | 1.5 | 0 | 0 |
| 75 | 2.5 | 0.75 | 0 | 0 | 2.5 | 1.5 | 0 | 0 |
| 80 | 2.5 | 0.75 | 0 | 0 | 2.5 | 1.5 | 0 | 0 |
| 100 | 3 | 2.5 | 0 | 0 | 2.5 | 1.5 | 0 | 0 |
| 125 | 5 | 2.5 | 0 | 0 | 5 | 3 | 0 | 0 |
| 150 | 7.5 | 5 | 0 | 0 | 7.5 | 5 | 0 | 0 |
| 175 | 10 | 7.5 | 0 | 0 | 7.5 | 5 | 0 | 0 |
| 200 | 10 | 7.5 | 0 | 0 | 10 | 7.5 | 5 | |
| 250 | 15 | 10 | 0 | 0 | 20 | 15 | 5 | 0 |
| 300 | 0 | 15 | 7.5 | 0 | 0 | 15 | 0 | 0 |
| 400 | 0 | 15 | 10 | 0 | 0 | 15 | 0 | 0 |



MN2 Moulded Case Ring Current Transformer

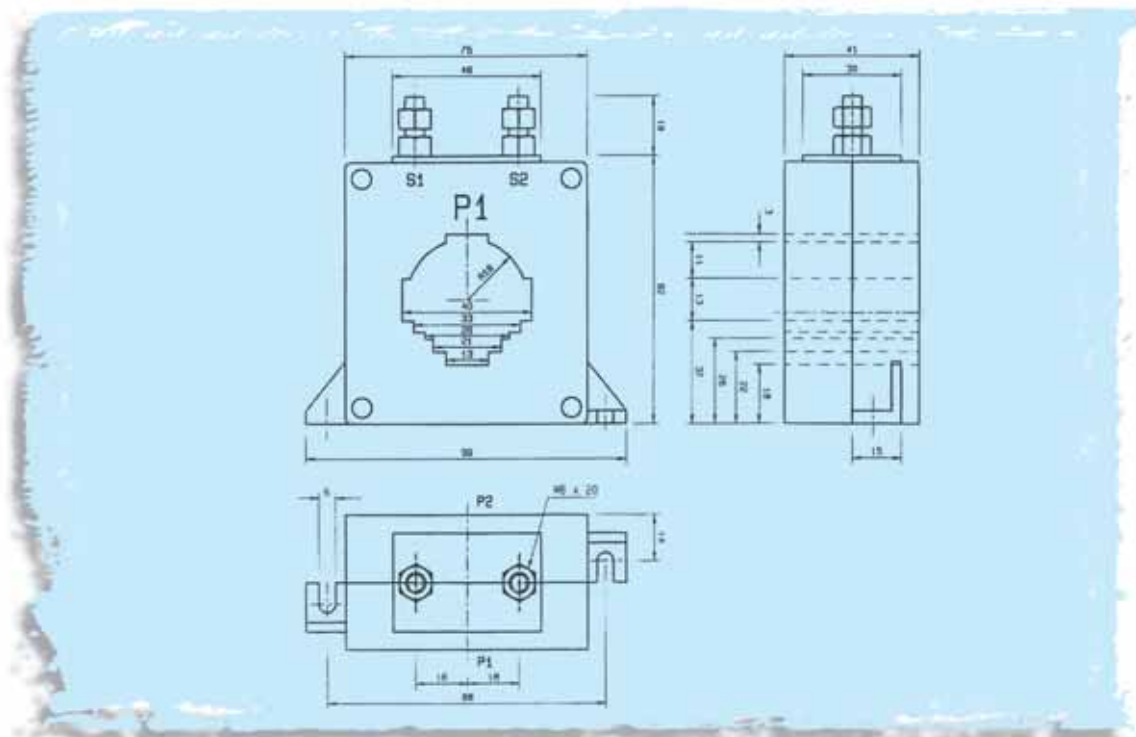


| Rated Current | VA (1amp) | | | | VA (5amp) | | | |
|---------------|-----------|------|------|------|-----------|------|-----|-----|
| | CL3 | CL1 | 0.5 | 0.2 | CL3 | CL1 | 0.5 | 0.2 |
| 50 | 2 | 0 | 0 | 0 | 2.5 | 0 | 0 | 0 |
| 60 | 2 | 1 | 0 | 0 | 3.25 | 2.5 | 0 | 0 |
| 75 | 3.75 | 2.5 | 1.25 | 0 | 2.5 | 1 | 0 | 0 |
| 80 | 3.75 | 2.5 | 0 | 0 | 3.75 | 2.5 | 0 | 0 |
| 100 | 5 | 2.5 | 1.25 | 0 | 5 | 3.75 | 0 | 0 |
| 125 | 7.5 | 3.75 | 2.5 | 1.25 | 10 | 3.75 | 0 | 0 |
| 150 | 12.5 | 5 | 3.75 | 2.5 | 15 | 7.5 | 0 | 0 |
| 175 | 13.75 | 5 | 3.75 | 2.5 | 20 | 7.5 | 0 | 0 |
| 200 | 15 | 7.5 | 3.75 | 3.75 | 20 | 10 | 0 | 0 |
| 250 | 20 | 12.5 | 5 | 3.75 | 30 | 15 | 0 | 0 |
| 300 | 25 | 15 | 7.5 | 3.75 | 30 | 30 | 15 | 0 |
| 350 | 30 | 15 | 10 | 5 | 30 | 30 | 15 | 0 |
| 400 | 30 | 15 | 10 | 7.5 | 30 | 30 | 15 | 0 |
| 500 | 30 | 15 | 10 | 5 | 30 | 30 | 30 | 0 |
| 600 | 30 | 15 | 10 | 5 | 30 | 30 | 30 | 0 |
| 800 | 30 | 15 | 15 | 5 | 30 | 30 | 15 | 0 |



MR2 Moulded Case Ring Current Transformer

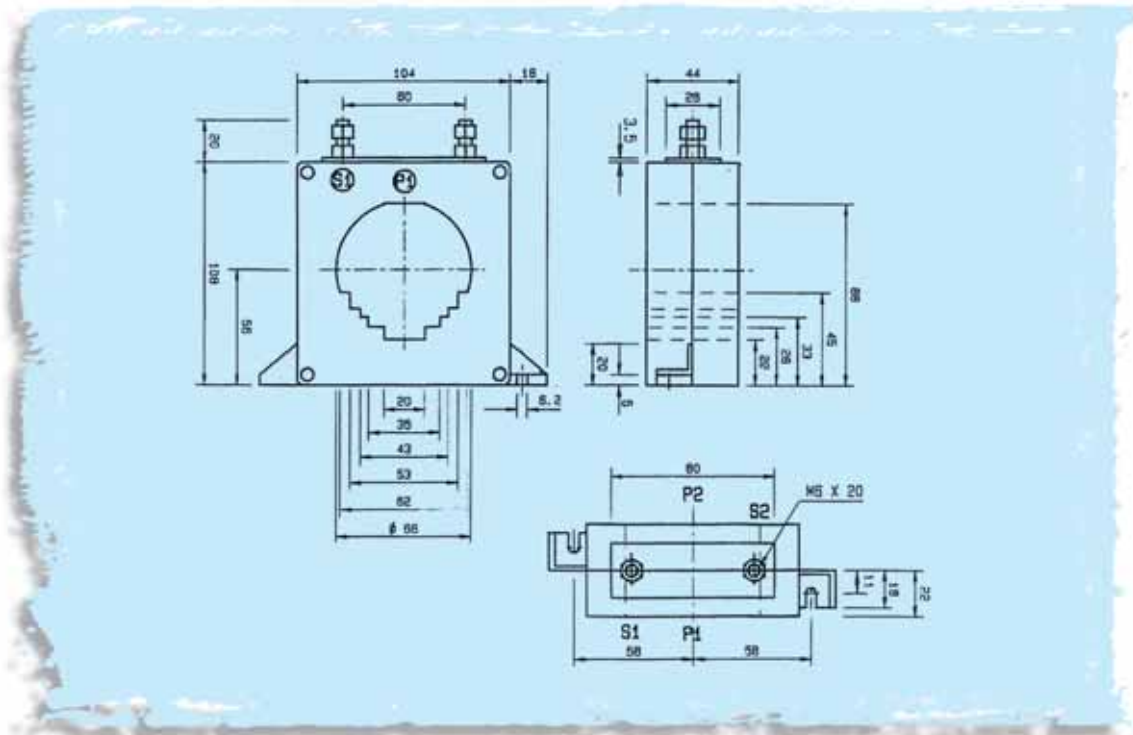
| Rated Current | VA (1amp) | | | | VA (5amp) | | | |
|---------------|-----------|------|------|------|-----------|------|-----|-----|
| | CL3 | CL1 | 0.5 | 0.2 | CL3 | CL1 | 0.5 | 0.2 |
| 50 | 2 | 0 | 0 | 0 | 2.5 | 0 | 0 | 0 |
| 60 | 2 | 1 | 0 | 0 | 3.25 | 2.5 | 0 | 0 |
| 75 | 3.75 | 2.5 | 1.25 | 0 | 2.5 | 1 | 0 | 0 |
| 80 | 3.75 | 2.5 | 0 | 0 | 3.75 | 2.5 | 0 | 0 |
| 100 | 5 | 2.5 | 1.25 | 0 | 5 | 3.75 | 0 | 0 |
| 125 | 7.5 | 3.75 | 2.5 | 1.25 | 10 | 3.75 | 0 | 0 |
| 150 | 12.5 | 5 | 3.75 | 2.5 | 15 | 7.5 | 0 | 0 |
| 175 | 13.75 | 5 | 3.75 | 2.5 | 20 | 7.5 | 0 | 0 |
| 200 | 15 | 7.5 | 3.75 | 3.75 | 20 | 10 | 0 | 0 |
| 250 | 20 | 12.5 | 5 | 3.75 | 15 | 15 | 0 | 0 |
| 300 | 25 | 15 | 7.5 | 3.75 | 30 | 30 | 15 | 0 |
| 350 | 30 | 15 | 10 | 5 | 30 | 30 | 15 | 0 |
| 400 | 30 | 15 | 10 | 7.5 | 30 | 30 | 15 | 0 |
| 500 | 30 | 15 | 10 | 5 | 30 | 30 | 30 | 0 |
| 600 | 30 | 15 | 10 | 5 | 30 | 30 | 30 | 0 |
| 800 | 30 | 15 | 15 | 5 | 30 | 30 | 15 | 0 |



BR1 Moulded Case Ring Current Transformer

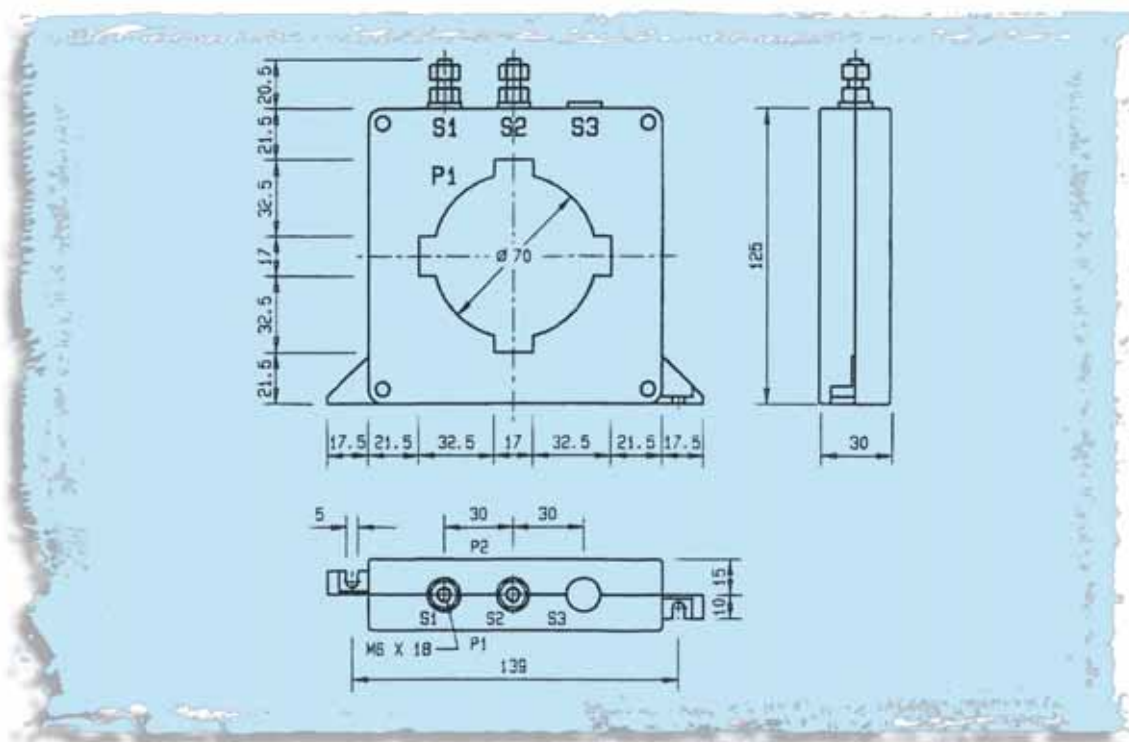
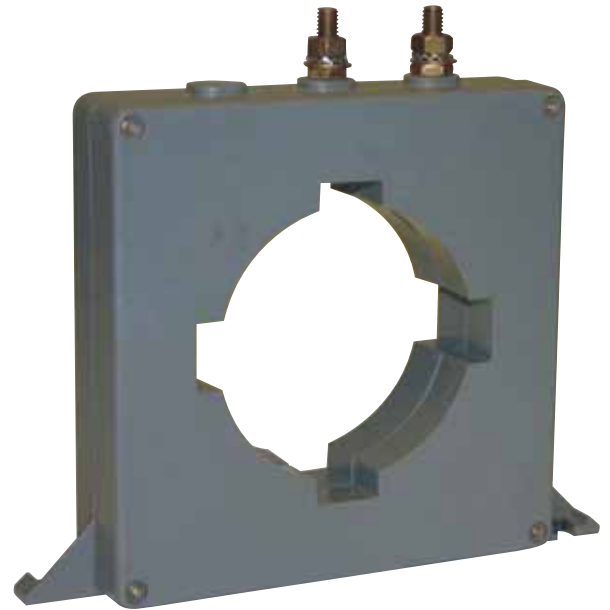


| Rated Current | VA (1amp) | | | | VA (5amp) | | | |
|---------------|-----------|-----|-----|-----|-----------|-----|-----|-----|
| | CL3 | CL1 | 0.5 | 0.2 | CL3 | CL1 | 0.5 | 0.2 |
| 200 | 10 | 5 | 0 | 0 | 10 | 5 | 0 | 0 |
| 300 | 15 | 15 | 7.5 | 0 | 15 | 15 | 0 | 0 |
| 400 | 15 | 15 | 10 | 0 | 15 | 10 | 0 | 0 |
| 500 | 15 | 15 | 10 | 0 | 15 | 15 | 0 | 0 |
| 600 | 15 | 15 | 15 | 0 | 15 | 15 | 0 | 0 |
| 700 | 15 | 15 | 15 | 0 | 15 | 15 | 0 | 0 |
| 800 | 15 | 15 | 15 | 0 | 15 | 15 | 0 | 0 |
| 1000 | 15 | 15 | 15 | 0 | 15 | 20 | 0 | 0 |
| 1200 | 15 | 15 | 15 | 0 | 15 | 25 | 5 | |
| 1250 | 15 | 15 | 15 | 0 | 15 | 30 | 5 | 0 |
| 1500 | 15 | 15 | 15 | 0 | 15 | 30 | 7.5 | 0 |
| 1600 | 15 | 15 | 15 | 0 | 15 | 30 | 10 | 0 |
| 2000 | 15 | 15 | 15 | 0 | 15 | 30 | 0 | 0 |



BR2 Moulded Case Ring Current Transformer

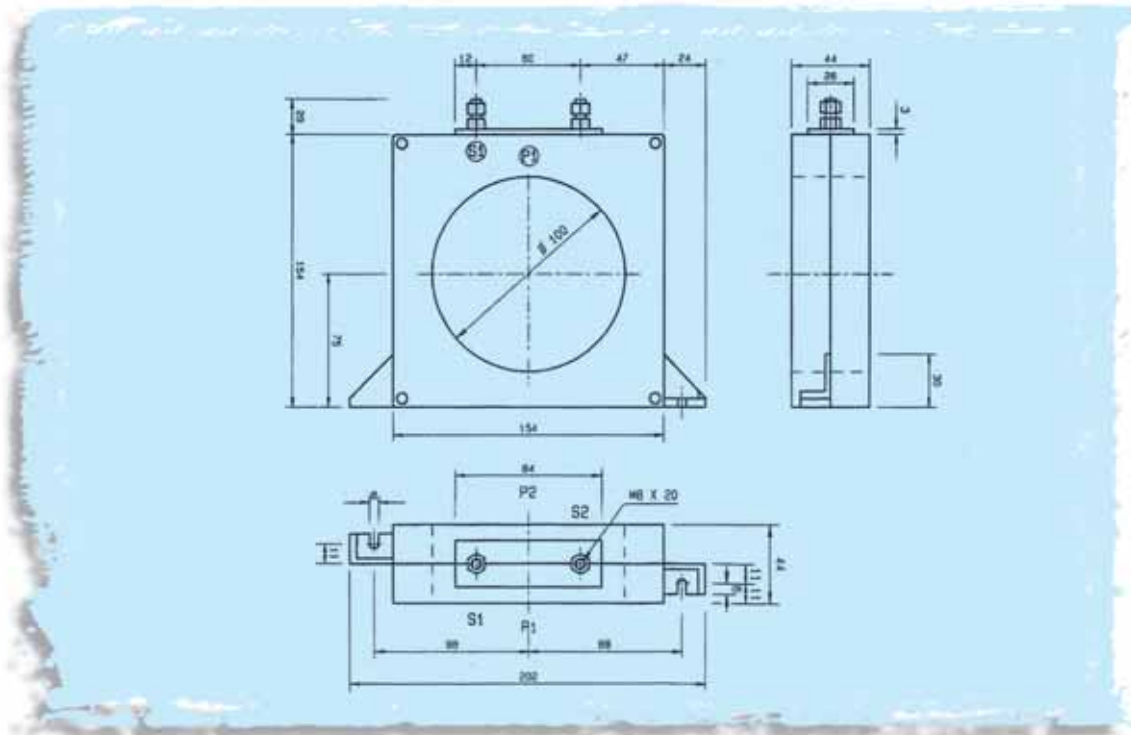
| Rated Current | VA (1amp) | | | | VA (5amp) | | | |
|---------------|-----------|-----|------|-----|-----------|-----|-----|-----|
| | CL3 | CL1 | 0.5 | 0.2 | CL3 | CL1 | 0.5 | 0.2 |
| 400 | 7.5 | 5 | 0 | 0 | 15 | 7.5 | 0 | 0 |
| 500 | 10 | 7.5 | 3.75 | 0 | 20 | 10 | 0 | 0 |
| 600 | 15 | 10 | 5 | 0 | 30 | 15 | 0 | 0 |
| 800 | 20 | 15 | 10 | 0 | 30 | 15 | 0 | 0 |
| 1000 | 30 | 15 | 10 | 0 | 30 | 15 | 0 | 0 |
| 1200 | 30 | 15 | 15 | 0 | 30 | 15 | 0 | 0 |
| 1250 | 30 | 15 | 15 | 0 | 30 | 15 | 0 | 0 |
| 1500 | 30 | 15 | 15 | 0 | 30 | 15 | 0 | 0 |
| 1600 | 30 | 15 | 15 | 0 | 30 | 15 | 0 | 0 |
| 2000 | 30 | 15 | 15 | 0 | 30 | 15 | 0 | 0 |
| 2500 | 30 | 15 | 15 | 0 | 15 | 30 | 0 | 0 |
| 3000 | 30 | 15 | 15 | 0 | 15 | 30 | 0 | 0 |



BR3 Moulded Case Ring Current Transformer

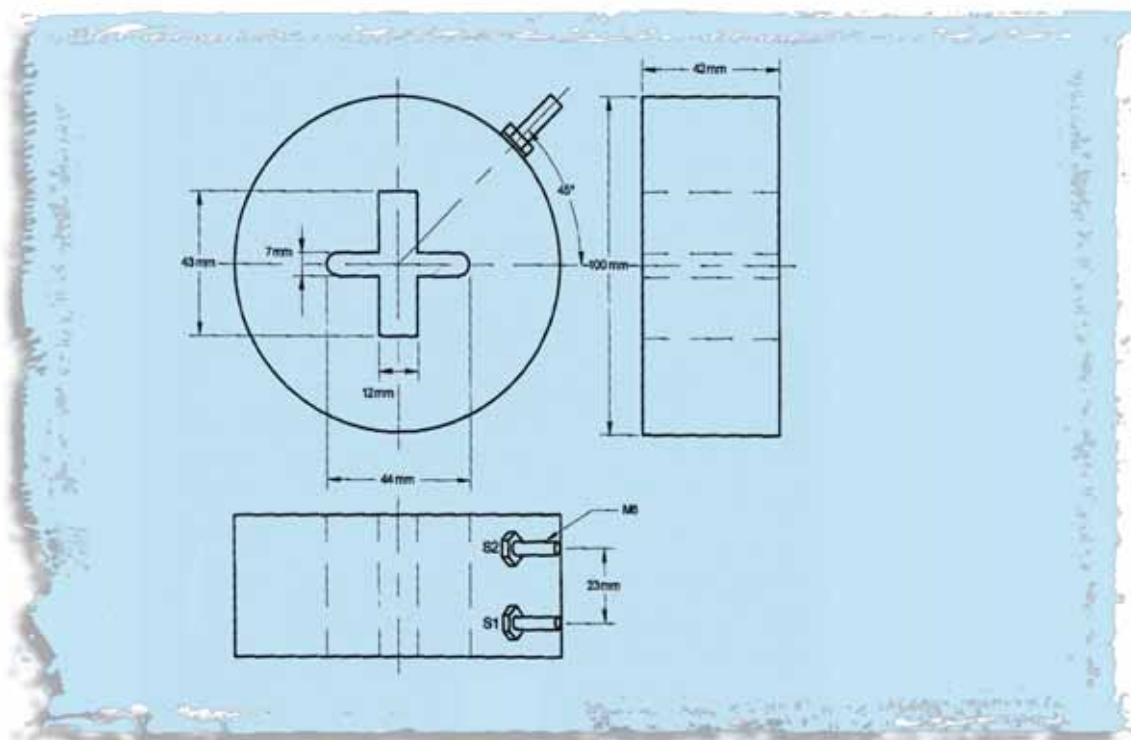


| Rated Current | VA (1amp) | | | | VA (5amp) | | | |
|---------------|-----------|-----|------|------|-----------|-----|-----|-----|
| | CL3 | CL1 | 0.5 | 0.2 | CL3 | CL1 | 0.5 | 0.2 |
| 400 | 15 | 7.5 | 3.75 | 0 | 30 | 10 | 0 | 0 |
| 500 | 20 | 10 | 5 | 0 | 30 | 10 | 0 | 0 |
| 600 | 30 | 15 | 7.5 | 3.75 | 30 | 15 | 0 | 0 |
| 800 | 30 | 30 | 10 | 3.75 | 30 | 15 | 0 | 0 |
| 1000 | 30 | 15 | 10 | 5 | 30 | 30 | 0 | 0 |
| 1200 | 30 | 30 | 30 | 7.5 | 30 | 30 | 0 | 0 |
| 1250 | 30 | 30 | 30 | 10 | 30 | 30 | 0 | 0 |
| 1500 | 30 | 30 | 30 | 7.5 | 30 | 30 | 0 | 0 |
| 1600 | 30 | 30 | 30 | 10 | 30 | 30 | 0 | 0 |
| 2000 | 30 | 30 | 30 | 15 | 30 | 30 | 0 | 0 |
| 2500 | 30 | 30 | 30 | 15 | 30 | 30 | 0 | 0 |
| 3000 | 30 | 30 | 30 | 15 | 30 | 30 | 0 | 0 |



BM1 Moulded Case Bar Mount Current Transformer

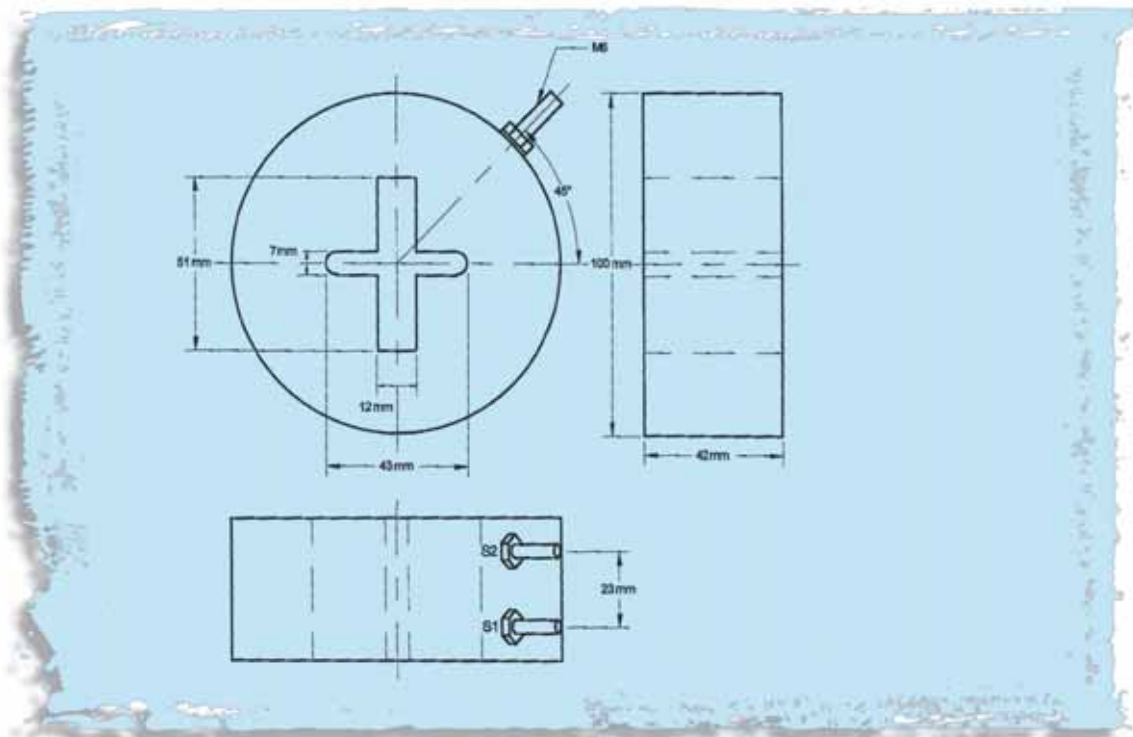
| Rated Current | VA (1amp) | | | | VA (5amp) | | | |
|---------------|-----------|------|------|------|-----------|------|-----|-----|
| | CL3 | CL1 | 0.5 | 0.2 | CL3 | CL1 | 0.5 | 0.2 |
| 50 | 2 | 0 | 0 | 0 | 2.5 | 0 | 0 | 0 |
| 60 | 2 | 1 | 0 | 0 | 3.25 | 2.5 | 0 | 0 |
| 75 | 3.75 | 2.5 | 1.25 | 0 | 2.5 | 1 | 0 | 0 |
| 80 | 3.75 | 2.5 | 0 | 0 | 3.75 | 2.5 | 0 | 0 |
| 100 | 5 | 2.5 | 1.25 | 0 | 5 | 3.75 | 0 | 0 |
| 125 | 7.5 | 3.75 | 2.5 | 1.25 | 10 | 3.75 | 0 | 0 |
| 150 | 12.5 | 5 | 3.75 | 2.5 | 15 | 7.5 | 0 | 0 |
| 175 | 13.75 | 5 | 3.75 | 2.5 | 20 | 7.5 | 0 | 0 |
| 200 | 15 | 7.5 | 3.75 | 3.75 | 20 | 10 | 0 | 0 |
| 250 | 20 | 12.5 | 5 | 3.75 | 30 | 15 | 0 | 0 |
| 300 | 25 | 15 | 7.5 | 3.75 | 30 | 30 | 15 | 0 |
| 350 | 30 | 15 | 10 | 5 | 30 | 30 | 15 | 0 |
| 400 | 30 | 15 | 10 | 7.5 | 30 | 30 | 15 | 0 |
| 500 | 30 | 15 | 10 | 5 | 30 | 30 | 30 | |
| 600 | 30 | 15 | 10 | 5 | 30 | 30 | 30 | 0 |
| 800 | 30 | 15 | 15 | 5 | 30 | 30 | 15 | 0 |



BM2 Moulded Case Bar Mount Current Transformer

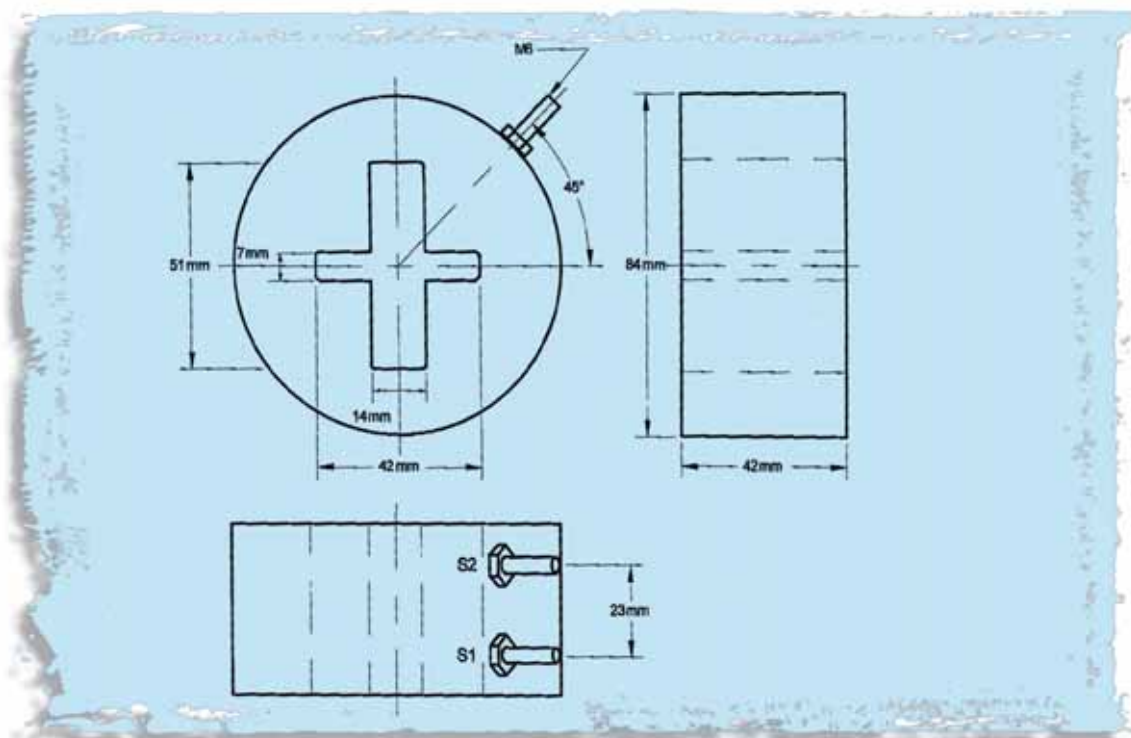
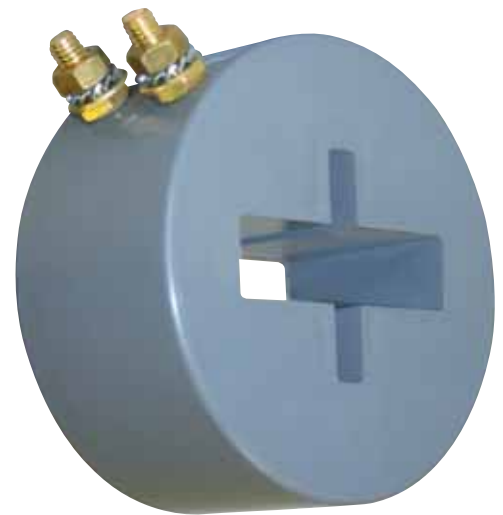


| Rated Current | VA (1amp) | | | | VA (5amp) | | | |
|------------------|-----------|------|------|------|-----------|------|-----|-----|
| | CL3 | CL1 | 0.5 | 0.2 | CL3 | CL1 | 0.5 | 0.2 |
| 50 | 2 | 0 | 0 | 0 | 2.5 | 0 | 0 | 0 |
| 60 | 2 | 1 | 0 | 0 | 3.25 | 2.5 | 0 | 0 |
| 75 | 3.75 | 2.5 | 1.25 | 0 | 2.5 | 1 | 0 | 0 |
| 80 | 3.75 | 2.5 | 0 | 0 | 3.75 | 2.5 | 0 | 0 |
| 100 | 5 | 2.5 | 1.25 | 0 | 5 | 3.75 | 0 | 0 |
| 125 | 7.5 | 3.75 | 2.5 | 1.25 | 10 | 3.75 | 0 | 0 |
| 150 | 12.5 | 5 | 3.75 | 2.5 | 15 | 7.5 | 0 | 0 |
| 175 | 13.75 | 5 | 3.75 | 2.5 | 20 | 7.5 | 0 | 0 |
| 200 | 15 | 7.5 | 3.75 | 3.75 | 20 | 10 | 0 | 0 |
| 250 | 25 | 12.5 | 5 | 3.75 | 30 | 15 | 0 | 0 |
| 300 | 30 | 15 | 7.5 | 3.75 | 30 | 30 | 15 | 0 |
| 350 | 30 | 15 | 10 | 5 | 30 | 30 | 15 | 0 |
| 400 | 30 | 15 | 10 | 7.5 | 30 | 30 | 15 | 0 |
| 500 | 30 | 15 | 10 | 5 | 30 | 30 | 30 | 0 |
| 600 | 30 | 15 | 10 | 5 | 30 | 30 | 30 | 0 |
| 800 | 30 | 15 | 15 | 5 | 30 | 30 | 15 | 0 |



BM3 Moulded Case Bar Mount Current Transformer

| Rated Current | VA (1amp) | | | | VA (5amp) | | | |
|---------------|-----------|------|------|------|-----------|------|-----|-----|
| | CL3 | CL1 | 0.5 | 0.2 | CL3 | CL1 | 0.5 | 0.2 |
| 50 | 2 | 0 | 0 | 0 | 2.5 | 0 | 0 | 0 |
| 60 | 2 | 1 | 0 | 0 | 3.25 | 2.5 | 0 | 0 |
| 75 | 3.75 | 2.5 | 1.25 | 0 | 2.5 | 1 | 0 | 0 |
| 80 | 3.75 | 2.5 | 0 | 0 | 3.75 | 2.5 | 0 | 0 |
| 100 | 5 | 2.5 | 1.25 | 0 | 5 | 3.75 | 0 | 0 |
| 125 | 7.5 | 3.75 | 2.5 | 1.25 | 10 | 3.75 | 0 | 0 |
| 150 | 12.5 | 5 | 3.75 | 2.5 | 15 | 7.5 | 0 | 0 |
| 175 | 13.75 | 5 | 3.75 | 2.5 | 20 | 7.5 | 0 | 0 |
| 200 | 15 | 7.5 | 3.75 | 3.75 | 20 | 10 | 0 | 0 |
| 250 | 20 | 12.5 | 5 | 3.75 | 30 | 15 | 0 | 0 |
| 300 | 25 | 15 | 7.5 | 3.75 | 30 | 30 | 15 | 0 |
| 350 | 30 | 15 | 10 | 5 | 30 | 30 | 15 | 0 |
| 400 | 30 | 15 | 10 | 7.5 | 30 | 30 | 15 | 0 |
| 500 | 30 | 15 | 10 | 5 | 30 | 30 | 30 | 0 |
| 600 | 30 | 15 | 10 | 5 | 30 | 30 | 30 | 0 |
| 800 | 30 | 15 | 15 | 5 | 30 | 30 | 15 | 0 |



TDGC TSGC Voltage Regulator



The product is a special auto transformer which is connected in different forms. Its output voltage can be regulated smoothly and continuously from zero to the maximum value. The provision of an indicating meter is made for the models TDGC 0.2, 0.25, 0.5/0.5 (M). All the models find popular applications in industries, agriculture and scientific researches, and are particularly suited to serve as ancillary facilities for such equipment as various machine tools, transistor curve tracers, projecting TV sets, and analytical instruments in petroleum industry, etc.

| Model | Capacity (kVA) | Phase | Frequency (Hz) | Input Voltage (V) | Output Voltage (V) | Max. Output Current (A) | Shape |
|------------------------------------|----------------|-------|----------------|-------------------|--------------------|-------------------------|---------|
| TDGC ₂ TDGC-0.2/0.5(M) | 0.2 | 1 | 50/60 | 110/220 | 0-250 | 0.36/0.8 | Round |
| TDGC ₂ TDGC-0.25/0.5(M) | 0.25 | | | | | 0.4/1 | |
| TDGC ₂ TDGC-0.5/0.5(M) | 0.5 | | | | | 0.88/2 | |
| TDGC ₂ TDGC-0.5(C) | 0.5 | | | | | 0.88/2 | |
| TDGC ₂ TDGC-1/0.5 | 1 | | | | | 3.2/8 | Hexagon |
| TDGC ₂ TDGC-2 | 2 | | | | | 4.8/12 | Round |
| TDGC ₂ TDGC-3/0.5 | 3 | | | | | 8/20 | Octagon |
| TDGC ₂ TDGC-5/0.5 | 5 | | | | | 16/40 | |
| TDGC ₂ TDGC-10/0.5 | 10 | | | | | 24/60 | |
| TDGC ₂ TDGC-15/0.5 | 15 | | | | | 80 | |
| TDGC ₂ TDGC-20/0.5 | 20 | 3 | 50/60 | 220/380 | 0-430 | 1.6/4 | Hexagon |
| TSGC ₂ TSGC-3/0.5 | 3 | | | | | 3.2/8 | |
| TSGC ₂ TSGC-6/0.5 | 6 | | | | | 5.4/13.4 | Octagon |
| TSGC ₂ TSGC-10/0.5 | 10 | | | | | 20 | |
| TSGC ₂ TSGC-15/0.5 | 15 | | | | | 28 | |
| TSGC ₂ TSGC-20/0.5 | 20 | | | | | 40 | |
| TSGC ₂ TSGC-30/0.5 | 30 | | | | | | |

AC Current Transducer

AC in 4-20mA out

The two-wire AC current transducer offers the best solution for measuring AC current with a 4 - 20mA direct signal output to a standard control system. The device can be installed in the same way as a standard current transformer, however eliminating the need for a separate 4 - 20mA transducer amplifier.

The transducer has a basic accuracy to within 0.5% and can operate off a supply voltage as low as 5VDC. Scaling for different current measurements are factory pre-sets for any primary current within the minimum and maximum range of the selected current transducer.

The two-wire AC current transducer features magnetic core with integral amplifier, providing for a low cost solution.

The device can be cable or busbar mounted and is also available in intrinsically safe versions for use in hazardous areas.

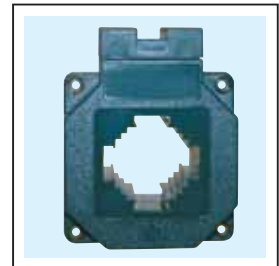
Ordering Information

- All types are available in intrinsically safe versions approved to SABS - M777 / M488
- Installation for busbar version supplied with full mounting kit
- Working temperature range -5°C to +45°C for accuracies as specified
- Minimum voltage drop across transducer in loop must not be less than 5VDC with a 4-20mA signal

| | | |
|-----|---------|----------------|
| KRO | 0-300A | cable version |
| KR1 | 0-75A | busbar version |
| LR1 | 0-2500A | busbar version |
| LR2 | 0-2000A | cable version |
| LR3 | 0-2500A | cable version |



KRO



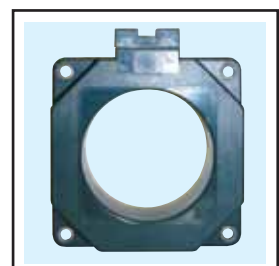
KR



LR1



LR2

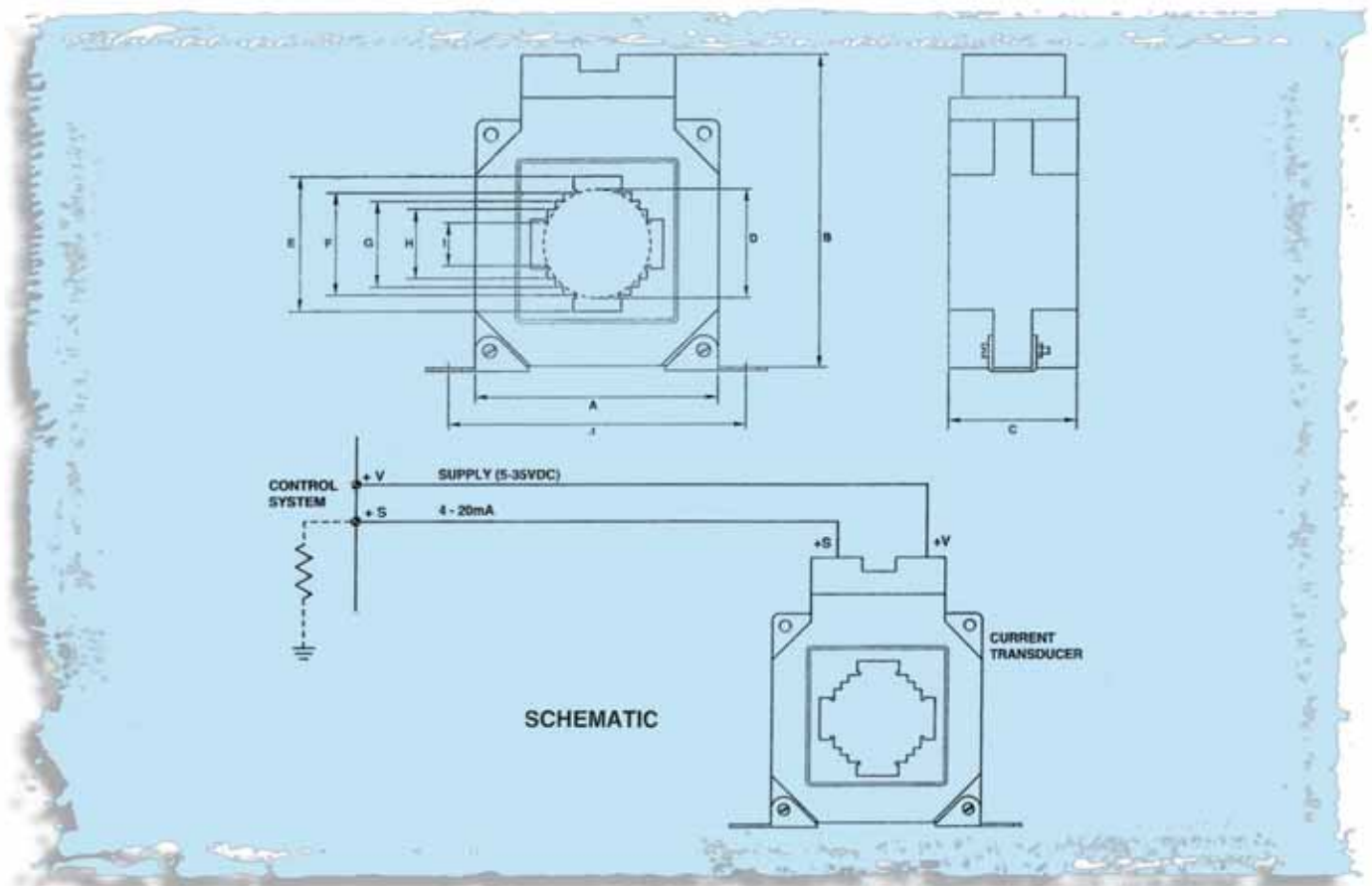


LR3

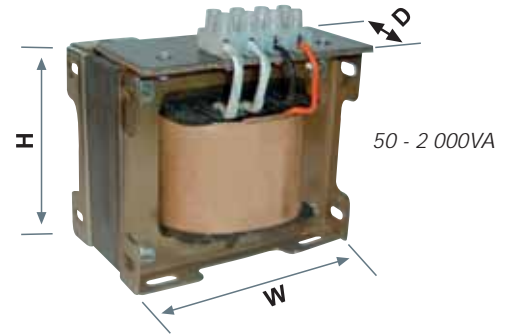
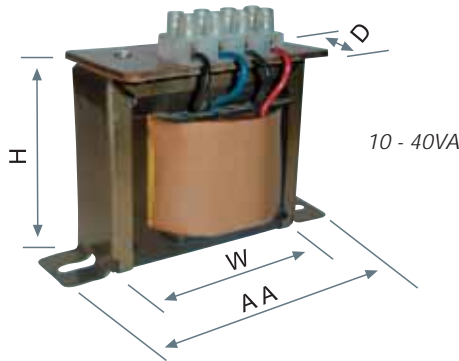


Ordering Information - Dimensions

| Dimensions (mm) | | | | | | | | | | |
|-----------------|-----|-----|----|----|----|----|----|----|----|-----|
| Type | A | B | C | D | E | F | G | H | I | J |
| KRO | 63 | 77 | 35 | 32 | | | | | | 73 |
| KR | 76 | 96 | 42 | | 41 | 31 | 26 | 21 | 13 | 89 |
| LR1 | 76 | 96 | 42 | 40 | | | | | | 89 |
| LR2 | 133 | 153 | 46 | | 81 | 64 | 41 | 32 | 26 | 151 |
| LR3 | 133 | 153 | 46 | 88 | | | | | | 151 |



Single Phase Voltage Transformers



| VA RATING | DIMENSIONS(MM) | | | | WEIGHT |
|-----------|----------------|-----|-----|-----|--------|
| CODE | W | AA | H | D | KG |
| T-10VA | 60 | 90 | 65 | 60 | 0.5 |
| T-20VA | 60 | 90 | 70 | 60 | 0.6 |
| T-25VA | 70 | 100 | 80 | 65 | 0.8 |
| T-30VA | 70 | 100 | 80 | 65 | 0.9 |
| T-40VA | 80 | 110 | 85 | 70 | 1.2 |
| T-50VA | 80 | | 85 | 80 | 1.4 |
| T-75VA | 100 | | 105 | 75 | 1.9 |
| T-100VA | 100 | | 105 | 75 | 2.1 |
| T-125VA | 100 | | 105 | 80 | 2.3 |
| T-150VA | 100 | | 105 | 85 | 2.65 |
| T-175VA | 120 | | 120 | 90 | 3.3 |
| T-200VA | 120 | | 120 | 90 | 3.6 |
| T-225VA | 120 | | 120 | 90 | 4 |
| T-250VA | 120 | | 120 | 105 | 4.5 |
| T-300VA | 120 | | 120 | 110 | 5 |
| T-350VA | 138 | | 135 | 110 | 5 |
| T-400VA | 138 | | 135 | 110 | 5.8 |
| T-500VA | 138 | | 135 | 120 | 6.5 |
| T-600VA | 138 | | 135 | 140 | 7.5 |
| T-650VA | 150 | | 150 | 120 | 8.5 |
| T-750VA | 150 | | 150 | 130 | 10 |
| T-1000VA | 150 | | 150 | 140 | 12 |
| T-1500VA | 180 | | 180 | 140 | 16 |
| T-2000VA | 180 | | 180 | 160 | 19.8 |
| T-2500VA | 180 | | 230 | 180 | 19.6 |
| T-3000VA | 185 | | 195 | 160 | 20.5 |
| T-4000VA | 307 | | 235 | 160 | 26.55 |
| T-5000VA | 237 | | 210 | 190 | 27.85 |
| T-6500VA | 270 | | 300 | 190 | 32 |
| T-7500VA | 330 | | 380 | 230 | 55 |
| T-8000VA | 330 | | 380 | 250 | 60 |
| T-10000VA | 330 | | 380 | 250 | 70 |
| T-12500VA | 330 | | 380 | 280 | 85 |
| T-15000VA | 370 | | 380 | 300 | 94 |
| T-20000VA | 420 | | 500 | 250 | 150 |
| T-25000VA | 420 | | 500 | 250 | 170 |
| T-30000VA | 520 | | 560 | 300 | 190 |
| T-40000VA | 560 | | 660 | 300 | 280 |
| T-50000VA | 610 | | 660 | 350 | 310 |

C.V.T.'s

| CODE | VA RATING | VOLTAGE | DIMENSIONS(mm) | | |
|---------|-----------|----------|----------------|-----|-----|
| | | | H | W | D |
| TE150 | 150 | 230//230 | 145 | 100 | 210 |
| TE300 | 300 | 230//230 | 260 | 180 | 350 |
| TE500 | 500 | 230//230 | 260 | 180 | 350 |
| TE750 | 750 | 230//230 | 260 | 180 | 350 |
| TE1000 | 1000 | 230//230 | 260 | 180 | 350 |
| TE1500 | 1500 | 230//230 | 320 | 310 | 500 |
| TE2000 | 2000 | 230//230 | 320 | 310 | 500 |
| TE2500 | 2500 | 230//230 | 205 | 190 | 300 |
| TE3000 | 3000 | 230//230 | 320 | 310 | 500 |
| TE4000 | 4000 | 230//230 | 320 | 310 | 600 |
| TE5000 | 5000 | 230//230 | 320 | 310 | 600 |
| TE6000 | 6000 | 230//230 | 205 | 190 | 300 |
| TE7500 | 7500 | 230//230 | 280 | 375 | 330 |
| TE10000 | 10000 | 230//230 | 280 | 375 | 380 |
| TE12000 | 12000 | 230//230 | 800 | 800 | 450 |
| TE15000 | 15000 | 230//230 | 800 | 800 | 450 |
| TE18000 | 18000 | 230//230 | 1100 | 800 | 450 |
| TE20000 | 20000 | 230//230 | 1100 | 800 | 450 |

- Autowound and voltage transformers are manufactured to ordered specifications as per table.
- Isolation transformers are available in adjacent sizes, and include earth screen with terminal.
- All prices are standard to 1000V

Standard Voltage Ratios

| | | |
|-----------|-----------|-----------|
| 230//12V | 400//24V | 525//24V |
| 230//24V | 400//110V | 525//110V |
| 230//110V | 400//220V | 525//220V |

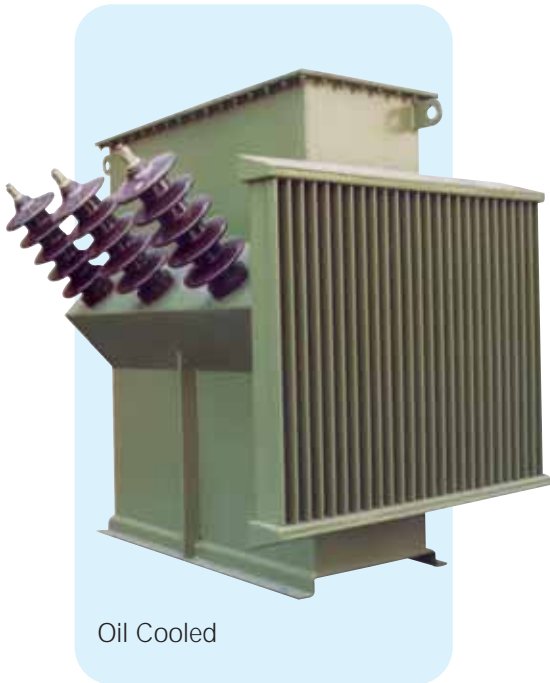
Three Phase Voltage Transformers

Three Phase-open Type Double Wound

Three Phase Oil Cooled Transformer (open bushing)

| VA Rating | Dimensions(mm) | | | Weight kg | VA Rating |
|-----------|----------------|--------|-------|-----------|--------------|
| | Width | Height | Depth | | |
| T-0.10KVA | 140 | 170 | 100 | 3.5 | - |
| T-0.15KVA | 140 | 170 | 100 | 4.4 | - |
| T-0.25KVA | 150 | 210 | 110 | 5.85 | - |
| T-0.35KVA | 150 | 210 | 110 | 6.5 | - |
| T-0.50KVA | 170 | 220 | 140 | 8 | - |
| T-1KVA | 230 | 250 | 150 | 12 | - |
| T-1.5KVA | 250 | 250 | 120 | 15 | - |
| T-2KVA | 225 | 250 | 120 | 16 | - |
| T-3KVA | 225 | 225 | 140 | 22 | - |
| T-4KVA | 235 | 225 | 150 | 28 | - |
| T-5KVA | 245 | 255 | 170 | 35 | T-5KVA-OIL |
| T-6.5KVA | 265 | 275 | 195 | 40 | T-6.5KVA-OIL |
| T-7.5KVA | 265 | 285 | 195 | 45 | T-7.5KVA-OIL |
| T-10KVA | 310 | 315 | 200 | 55 | T-10KVA-OIL |
| T-15KVA | 345 | 355 | 300 | 60 | T-15KVA-OIL |
| T-20KVA | 450 | 650 | 350 | 120 | T-20KVA-OIL |
| T-25KVA | 450 | 650 | 350 | 165 | T-25KVA-OIL |
| T-30KVA | 500 | 700 | 350 | 200 | T-30KVA-OIL |
| T-40KVA | 500 | 800 | 400 | 280 | T-40KVA-OIL |
| T-50KVA | 500 | 800 | 400 | 350 | T-50KVA-OIL |
| T-75KVA | 600 | 850 | 400 | 500 | T-75KVA-OIL |
| T-100KVA | 700 | 900 | 450 | 700 | T-100KVA-OIL |
| T-125KVA | | | | | T-125KVA-OIL |
| T-150KVA | | | | | T-150KVA-OIL |
| T-200KVA | | | | | T-200KVA-OIL |
| T-250KVA | | | | | T-250KVA-OIL |
| T-300KVA | | | | | T-300KVA-OIL |

• Up to 1,6MVA are made to order.

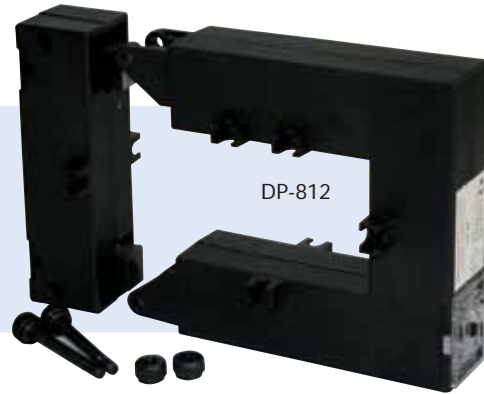
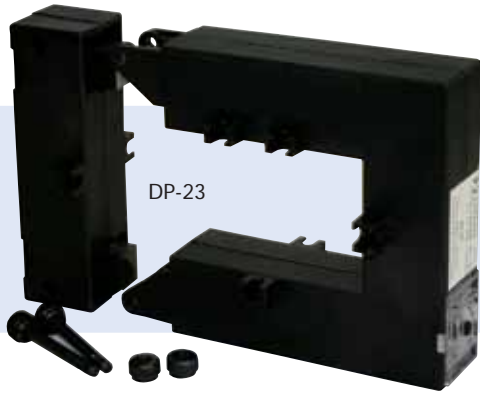


Oil Cooled



Open Type

Split core current transformers DP Series

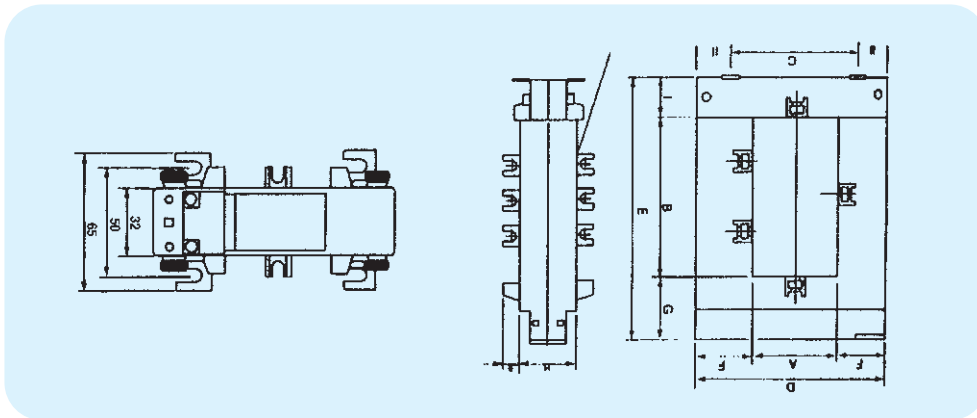


| Model | Nominal Current Ratio | Class: 0.5 |
|-------|-----------------------|------------|
| | | VA |
| DP-23 | 100 | – |
| | 150 | – |
| | 200 | – |
| | 250 | – |
| | 300 | 1.5 |
| | 400 | 2.5 |
| DP-58 | 250 | 1.5 |
| | 300 | 1.5 |
| | 400 | 1.5 |
| | 500 | 2.5 |
| | 600 | 2.5 |
| | 750 | 2.5 |
| | 800 | 2.5 |
| DP-88 | 1000 | 5 |
| | 250 | 1.5 |
| | 300 | 1.5 |
| | 400 | 1.5 |
| | 600 | 2.5 |

| Model | Nominal Current Ratio | Class: 0.5 |
|--------|-----------------------|------------|
| | | VA |
| DP-812 | 750 | 2.5 |
| | 800 | 2.5 |
| | 1000 | 5 |
| | 500 | 2.5 |
| | 600 | 2.5 |
| | 750 | 2.5 |
| | 800 | 2.5 |
| | 1000 | 5 |
| | 1200 | 6 |
| | 1250 | 7.5 |
| DP-816 | 1500 | 7.5 |
| | 1000 | 10 |
| | 1500 | 15 |
| | 2000 | 15 |
| | 2500 | 15 |
| | 5000 | 20 |

Summary

The DP series of current transformers have been especially designed to facilitate their installation in new or already existing networks. Due to its split core they may be installed without opening any cable or bus bar circuit. The connection of conventional CT's usually requires the interruption of the primary side circuit to pass cables of bus bars through the transformers core or to connect such cables to the primary terminals. The DP series transformer core may be easily opened, installed and connected without any supply interruption, saving time and installation costs.



| Model | A | B | C | D | E | F | G | H | I | Weight (kg) |
|--------|----|-----|-----|-----|-----|----|----|----|----|-------------|
| DP-23 | 20 | 30 | 51 | 89 | 111 | 34 | 47 | 40 | 32 | 0.75kg |
| DP-58 | 50 | 80 | 78 | 114 | 145 | 32 | 32 | 32 | 33 | 0.90kg |
| DP-88 | 80 | 80 | 108 | 144 | 145 | 32 | 32 | 32 | 33 | 1.05kg |
| DP-812 | 80 | 120 | 108 | 144 | 185 | 32 | 32 | 32 | 33 | 1.25kg |
| DP-816 | 80 | 160 | 120 | 184 | 245 | 52 | 47 | 52 | 38 | 4.30kg |

Main Features

1. Small size and easy mounting
2. Wide inner window, allowing clamping of big cables or bus bars
3. Wide range of sizes to accommodate all the existing installations
4. High accuracy and reliability

Split core current DP Series specifications

| | |
|-----------------------------|-----------------|
| Primary Current | 1000A - 5000A |
| Secondary Current | 5A, 1A |
| Standard approval | IEC44-1, BS7626 |
| Maximum voltage | 0.72/3kV |
| Frequency: | 50Hz |
| Rated load | 1VA - 30VA |
| Class | 0.5 , 1.0 , 3.0 |
| Short time thermal current | 1th = 100 x In |
| Rated security coefficient: | FS<5 |