



## TA500 2500/5A

TA500 2500/5A, Current transformers

Code: M705A7.

- > Flat strip(mm): 100 x 30
- > System: Single-phase
- > Class 0,5 Power (VA): 20
- > Class 1 Power (VA): 40
- > Class 3 Power (VA): 50
- > Measurement Range (A): 2500/5
- > Input current: 2500 A
- > Transformer type: Closed core

### Description

- Types: from 750 to 5000 A
- Busbar dimensions: from 20 x 100 mm to 60 x 125 mm
- Transformer certificate sheet is attached

### Application

Converting a high nominal current to a lower current so that it can be measured by the unit. In installations where the electrical supply can be interrupted to install transformers.



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## Specifications

### Electrical characteristics

|                    |                   |
|--------------------|-------------------|
| Safety factor (SF) | FS < 5            |
| Power              | 20 VA (Class 0,5) |

### Mechanical characteristics

|                                  |                                    |
|----------------------------------|------------------------------------|
| Size (mm) width x height x depth | 115 x 185 x 63 (mm)                |
| Envelope                         | Plastic wrap V0 self-extinguishing |
| Fastening                        | DIN rail with accessory            |
| Weight (kg)                      | 1,055                              |

### Environmental characteristics

|               |                   |
|---------------|-------------------|
| Thermal Class | Class B (+130 °C) |
|---------------|-------------------|

### Specific technical characteristics of current sensors

|                   |               |
|-------------------|---------------|
| Operating voltage | 0,72 kV~ max. |
|-------------------|---------------|

### Current measurement circuit

|                                     |            |
|-------------------------------------|------------|
| Nominal frequency                   | 50 / 60 Hz |
| Primary current measurement         | 2500 A     |
| Dynamic current (Idyn)              | 2,5 Ith    |
| Thermal short-circuit current (Ith) | 60 In      |
| Transformation ratio                | ... / 5 A  |

### Standards

|           |                                            |
|-----------|--------------------------------------------|
| Standards | IEC 61869-2, UNE 21 088-1, UL 94, VDE 0414 |
|-----------|--------------------------------------------|

TA500  
Current transformers, flat strip 100x30 mm

| CODE    | TYPE          | Measurement Range (A) | Flat strip(mm) | Class 0,5 Power (VA) | Class 1 Power (VA) | Class 3 Power (VA) |
|---------|---------------|-----------------------|----------------|----------------------|--------------------|--------------------|
| TA400   |               |                       |                |                      |                    |                    |
| M70591. | TA400 400/5A  | 400/5                 | 100 x 20       | 5                    | 10                 | 15                 |
| M70592. | TA400 500/5A  | 500/5                 | 100 x 20       | 15                   | 20                 | 30                 |
| M70593. | TA400 600/5A  | 600/5                 | 100 x 20       | 15                   | 20                 | 30                 |
| M70594. | TA400 750/5A  | 750/5                 | 100 x 20       | 15                   | 20                 | 30                 |
| M70595. | TA400 800/5A  | 800/5                 | 100 x 20       | 15                   | 20                 | 30                 |
| M70596. | TA400 1000/5A | 1000/5                | 100 x 20       | 15                   | 20                 | 30                 |



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|---------|---------------|-----------------------|----------------|----------------------|--------------------|--------------------|
| M70597. | TA400 1200/5A | 1200/5                | 100 x 20       | 15                   | 20                 | 30                 |
| M70598. | TA400 1500/5A | 1500/5                | 100 x 20       | 15                   | 30                 | 40                 |
| M70599. | TA400 2000/5A | 2000/5                | 100 x 20       | 20                   | 40                 | 50                 |
| M7059A. | TA400 300/5A  | 300/5                 | 100 x 20       | 5                    | 10                 | 15                 |
| M7059B. | TA400 2500/5A | 2500/5                | 100 x 20       | 20                   | 40                 | 50                 |
| TA500   |               |                       |                |                      |                    |                    |
| M705A2. | TA500 1000/5  | 1000/5                | 100 x 30       | 15                   | 20                 | 30                 |
| M705A3. | TA500 1200/5  | 1200/5                | 100 x 30       | 15                   | 20                 | 30                 |
| M705A4. | TA500 1500/5A | 1500/5                | 100 x 30       | 15                   | 30                 | 40                 |
| M705A6. | TA500 2000/5A | 2000/5                | 100 x 30       | 20                   | 40                 | 50                 |
| M705A7. | TA500 2500/5A | 2500/5                | 100 x 30       | 20                   | 40                 | 50                 |
| M705A8. | TA500 3000/5A | 3000/5                | 100 x 30       | 20                   | 45                 | 60                 |
| M705A9. | TA500 4000/5A | 4000/5                | 100 x 30       | 35                   | 50                 | 70                 |
| TA600   |               |                       |                |                      |                    |                    |
| M705B1. | TA600 1000/5A | 1000/5                | 125 x 60       | 15                   | 20                 | 30                 |
| M705B2. | TA600 1200/5A | 1200/5                | 125 x 60       | 15                   | 20                 | 30                 |
| M705B3. | TA600 1500/5A | 1500/5                | 125 x 60       | 15                   | 20                 | 30                 |
| M705B5. | TA600 2000/5A | 2000/5                | 125 x 60       | 15                   | 20                 | 30                 |
| M705B6. | TA600 2500/5A | 2500/5                | 125 x 60       | 20                   | 30                 | 40                 |
| M705B7. | TA600 3000/5A | 3000/5                | 125 x 60       | 30                   | 40                 | 60                 |
| M705B8. | TA600 4000/5A | 4000/5                | 125 x 60       | 35                   | 50                 | 70                 |
| M705B9. | TA600 5000/5A | 5000/5                | 125 x 60       | 40                   | 60                 | 80                 |
| M705BA. | TA600 3200/5A | 3200/5                | 125 x 60       | 30                   | 40                 | 60                 |
| M705BB. | TA600 800/5A  | 800/5                 | 125 x 60       | 15                   | 15                 | -                  |



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### Dimensions

