



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

