



## TC6.2 125/5A

TC6.2 125/5A, Current transformers narrow section

Code: M70342. **CONSULTAR DISPONIBILIDAD**

- > Flat strip(mm): 20 x 20 | 25 x 12 | 30 x 10
- > System: Single-phase
- > Class 0,5 Power (VA): 3,75
- > Class 1 Power (VA): 7,5
- > Class 3 Power (VA): 10
- > Measurement Range (A): 125/5
- > Input current: 125 A
- > Transformer type: Closed core

### Description

- Type: bar entrance
- Types: from 40 to 4000 A
- Internal diameter: from 20.3 to 63 mm, depending on the type
- Busbar dimensions: from 25 x 5 mm to 30 x 100 mm
- Individual certificate available on request
- DIN rail fixing accessory (Types **TC5** and **TC6**)
- Secondary coding types .../5 A (on demand .../1 A. **TC4** not available)

### 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              | 7.5 VA (Class 1) |

### Mechanical characteristics

|                                  |                                           |
|----------------------------------|-------------------------------------------|
| Size (mm) width x height x depth | 64 x 87.5 x 71 (mm)                       |
| Envelope                         | Plastic wrap V0 self-extinguishing, UL 94 |
| Weight (kg)                      | 0,529                                     |

### Environmental characteristics

|                                          |                   |
|------------------------------------------|-------------------|
| Thermal Class                            | Class B (+130 °C) |
| Protection class                         | IP 20             |
| Relative humidity (without condensation) | 15 ... 95 %       |

### Specific technical characteristics of current sensors

|                       |               |
|-----------------------|---------------|
| Inner diameter Ø (mm) | 26            |
| Operating voltage     | 0,72 kV~ max. |

### Current measurement circuit

|                                     |            |
|-------------------------------------|------------|
| Nominal frequency                   | 50 / 60 Hz |
| Primary current measurement         | 125 A      |
| Dynamic current (Idyn)              | 2,5 Ith    |
| Thermal short-circuit current (Ith) | 60 In      |
| Transformation ratio                | ... / 5 A  |

### Standards

|           |                                  |
|-----------|----------------------------------|
| Standards | IEC 61869-1, IEC 61869-2, BS2627 |
|-----------|----------------------------------|

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|---------|------------|-----------------------|--------------------------|----------------------|--------------------|--------------------|
| TC4     |            |                       |                          |                      |                    |                    |
| M703D5. | TC4 50/5A  | 50/5                  | 30 x 10  20 x 10  25 x 5 | -                    | -                  | 1                  |
| M703D6. | TC4 60/5A  | 60/5                  | 30 x 10  20 x 10  25 x 5 | -                    | -                  | 1,25               |
| M703D7. | TC4 75/5A  | 75/5                  | 30 x 10  20 x 10  25 x 5 | -                    | -                  | 1,25               |
| M703D8. | TC4 100/5A | 100/5                 | 30 x 10  20 x 10  25 x 5 | -                    | 2                  | 3                  |



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|---------|--------------|-----------------------|---------------------------|----------------------|--------------------|--------------------|
| M703D9. | TC4 125/5A   | 125/5                 | 30 x 10  20 x 10  25 x 5  | -                    | 2,5                | 3,75               |
| M703DA. | TC4 150/5A   | 150/5                 | 30 x 10  20 x 10  25 x 5  | 1,5                  | 2,5                | 4                  |
| M703DB. | TC4 200/5A   | 200/5                 | 30 x 10  20 x 10  25 x 5  | 2,5                  | 5                  | 6                  |
| TC5     |              |                       |                           |                      |                    |                    |
| M70311. | TC5 40/5A    | 40/5                  | 20 x 10  25 x 5  15 x 5   | -                    | -                  | 1,5                |
| M70312. | TC5 50/5A    | 50/5                  | 20 x 10  25 x 5  15 x 5   | -                    |                    | 2,5                |
| M70313. | TC5 60/5A    | 60/5                  | 20 x 10  25 x 5  15 x 5   | -                    | 1,25               | 3,5                |
| M70314. | TC5 75/5A    | 75/5                  | 20 x 10  25 x 5  15 x 5   | -                    | 2                  | 3,5                |
| M70315. | TC5 100/5A   | 100/5                 | 20 x 10  25 x 5  15 x 5   | 1,5                  | 2,5                | 3,75               |
| M70316. | TC5 125/5A   | 125/5                 | 20 x 10  25 x 5  15 x 5   | 1,75                 | 3,5                | 5                  |
| M70317. | TC5 150/5A   | 150/5                 | 20 x 10  25 x 5  15 x 5   | 2,5                  | 3,5                | 5                  |
| M70318. | TC5 200/5A   | 200/5                 | 20 x 10  25 x 5  15 x 5   | 3,75                 | 5                  | 5                  |
| M70319. | TC5 250/5A   | 250/5                 | 20 x 10  25 x 5  15 x 5   | 5                    | 7,5                | 7,5                |
| TC5.2   |              |                       |                           |                      |                    |                    |
| M70321. | TC5.2 100/5A | 100/5                 | 20 x 12  25 x 10  30 x 10 | -                    | 1                  | 1,5                |
| M70322. | TC5.2 125/5A | 125/5                 | 20 x 12  25 x 10  30 x 10 | -                    | 1,5                | 2                  |
| M70323. | TC5.2 150/5A | 150/5                 | 20 x 12  25 x 10  30 x 10 | 1                    | 2                  | 2,5                |
| M70324. | TC5.2 200/5A | 200/5                 | 20 x 12  25 x 10  30 x 10 | 2,5                  | 3                  | 3,5                |
| M70325. | TC5.2 250/5A | 250/5                 | 20 x 12  25 x 10  30 x 10 | 3,5                  | 3,75               | 5                  |
| M70326. | TC5.2 300/5A | 300/5                 | 20 x 12  25 x 10  30 x 10 | 3,5                  | 3,75               | 5                  |
| M70327. | TC5.2 400/5A | 400/5                 | 20 x 12  25 x 10  30 x 10 | 3,5                  | 5                  | 7,5                |
| M70328. | TC5.2 500/5A | 500/5                 | 20 x 12  25 x 10  30 x 10 | 5                    | 7,5                | 10                 |
| M70329. | TC5.2 600/5A | 600/5                 | 20 x 12  25 x 10  30 x 10 | 5                    | 7.5                | 10                 |
| TC6.2   |              |                       |                           |                      |                    |                    |
| M70341. | TC6.2 100/5A | 100/5                 | 20 x 20  25 x 12  30 x 10 | 1.75                 | 3.75               | 7.5                |
| M70342. | TC6.2 125/5A | 125/5                 | 20 x 20  25 x 12  30 x 10 | 3,75                 | 7,5                | 10                 |
| M70343. | TC6.2 150/5A | 150/5                 | 20 x 20  25 x 12  30 x 10 | 5                    | 7.5                | 10                 |
| M70344. | TC6.2 200/5A | 200/5                 | 20 x 20  25 x 12  30 x 10 | 7.5                  | 10                 | 10                 |
| M70345. | TC6.2 250/5A | 250/5                 | 20 x 20  25 x 12  30 x 10 | 7,5                  | 10                 | 15                 |
| M70346. | TC6.2 300/5A | 300/5                 | 20 x 20  25 x 12  30 x 10 | 10                   | 10                 | 15                 |
| M70347. | TC6.2 400/5A | 400/5                 | 20 x 20  25 x 12  30 x 10 | 10                   | 10                 | 15                 |
| M70348. | TC6.2 500/5A | 500/5                 | 20 x 20  25 x 12  30 x 10 | 15                   | 15                 | 20                 |
| M70349. | TC6.2 600/5A | 600/5                 | 20 x 20  25 x 12  30 x 10 | 15                   | 20                 | 25                 |
| TC6     |              |                       |                           |                      |                    |                    |
| M70331. | TC6 150/5A   | 150/5                 | 30 x 15  20 x 10  40 x 10 | 1                    | 3,5                | 5                  |
| M70332. | TC6 200/5A   | 200/5                 | 30 x 15  20 x 10  40 x 10 | 3,5                  | 5                  | 7,5                |
| M70333. | TC6 250/5A   | 250/5                 | 30 x 15  20 x 10  40 x 10 | 5                    | 7,5                | 10                 |
| M70334. | TC6 300/5A   | 300/5                 | 30 x 15  20 x 10  40 x 10 | 5                    | 7,5                | 10                 |



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|---------|--------------|-----------------------|---------------------------|----------------------|--------------------|--------------------|
| M70335. | TC6 400/5A   | 400/5                 | 30 x 15  20 x 10  40 x 10 | 5                    | 7,5                | 10                 |
| M70336. | TC6 500/5A   | 500/5                 | 30 x 15  20 x 10  40 x 10 | 7,5                  | 10                 | 15                 |
| M70337. | TC6 600/5A   | 600/5                 | 30 x 15  20 x 10  40 x 10 | 7,5                  | 10                 | 15                 |
| M70338. | TC6 750/5A   | 750/5                 | 30 x 15  20 x 10  40 x 10 | 10                   | 15                 | 20                 |
| M70339. | TC6 800/5A   | 800/5                 | 30 x 15  20 x 10  40 x 10 | 10                   | 15                 | 20                 |
| TC8.3   |              |                       |                           |                      |                    |                    |
| M703B1. | TC8.3 250/5A | 250/5                 | 20 x 25  30 x 20  40 x 10 | 10                   | 15                 | 20                 |
| M703B2. | TC8.3 200/5A | 200/5                 | 20 x 25  30 x 20  40 x 10 | 10                   | 15                 | 25                 |
| M703B3. | TC8.3 300/5A | 300/5                 | 20 x 25  30 x 20  40 x 10 | 15                   | 20                 | 25                 |
| M703B4. | TC8.3 400/5  | 400/5                 | 20 x 25  30 x 20  40 x 10 | 15                   | 20                 | 25                 |
| M703B5. | TC8.3 500/5  | 500/5                 | 20 x 25  30 x 20  40 x 10 | 15                   | 20                 | 25                 |
| M703B6. | TC8.3 600/5  | 600/5                 | 20 x 25  30 x 20  40 x 10 | 15                   | 20                 | 25                 |
| M703B7. | TC8.3 750/5  | 750/5                 | 20 x 25  30 x 20  40 x 10 | 20                   | 25                 | 30                 |
| M703B8. | TC8.3 800/5  | 800/5                 | 20 x 25  30 x 20  40 x 10 | 25                   | 30                 | 35                 |
| M703B9. | TC8.3 1000/5 | 1000/5                | 20 x 25  30 x 20  40 x 10 | 25                   | 30                 | 35                 |
| TC8     |              |                       |                           |                      |                    |                    |
| M7036C. | TC8 200/5A   | 200/5                 | 50 x 30  60 x 12          | 1                    | 2,5                | 5                  |
| M7036B. | TC8 300/5A   | 300/5                 | 50 x 30  60 x 12          | 2.5                  | 5                  | 7.5                |
| M70361. | TC8 400/5A   | 400/5                 | 50 x 30  60 x 12          | 5                    | 7,5                | 10                 |
| M70362. | TC8 500/5A   | 500/5                 | 50 x 30  60 x 12          | 7,5                  | 10                 | 15                 |
| M70363. | TC8 600/5A   | 600/5                 | 50 x 30  60 x 12          | 10                   | 15                 | 20                 |
| M70364. | TC8 750/5A   | 750/5                 | 50 x 30  60 x 12          | 15                   | 20                 | 25                 |
| M70365. | TC8 800/5A   | 800/5                 | 50 x 30  60 x 12          | 15                   | 20                 | 30                 |
| M70366. | TC8 1000/5A  | 1000/5                | 50 x 30  60 x 12          | 15                   | 20                 | 30                 |
| M70367. | TC8 1200/5A  | 1200/5                | 50 x 30  60 x 12          | 15                   | 20                 | 30                 |
| M70368. | TC8 1500/5A  | 1500/5                | 50 x 30  60 x 12          | 15                   | 20                 | 30                 |
| M70369. | TC8 1600/5A  | 1600/5                | 50 x 30  60 x 12          | 15                   | 20                 | 30                 |
| M7036A. | TC8 1250/5A  | 1250/5                | 50 x 30  60 x 12          | 15                   | 20                 | 30                 |
| TC10    |              |                       |                           |                      |                    |                    |
| M7037F. | TC10 200/5   | 200/5                 | 50 x 50  60 x 30  80 x 30 | 1                    | 2,5                | 5                  |
| M7037D. | TC10 300/5A  | 300/5                 | 50 x 50  60 x 30  80 x 30 | 2,5                  | 5                  | 7,5                |
| M7037G. | TC10 400/5   | 400/5                 | 50 x 50  60 x 30  80 x 30 | 2,5                  | 5                  | 7,5                |
| M7037B. | TC10 500/5A  | 500/5                 | 50 x 50  60 x 30  80 x 30 | 5                    | 7,5                | 10                 |
| M7037C. | TC10 600/5A  | 600/5                 | 50 x 50  60 x 30  80 x 30 | 7,5                  | 10                 | 15                 |
| M7037H. | TC10 750/5   | 750/5                 | 50 x 50  60 x 30  80 x 30 | 7,5                  | 10                 | 15                 |
| M70372. | TC10 800/5A  | 800/5                 | 50 x 50  60 x 30  80 x 30 | 7,5                  | 10                 | 15                 |
| M70373. | TC10 1000/5A | 1000/5                | 50 x 50  60 x 30  80 x 30 | 10                   | 15                 | 20                 |
| M70374. | TC10 1200/5A | 1200/5                | 50 x 50  60 x 30  80 x 30 | 10                   | 15                 | 20                 |



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|---------|--------------|-----------------------|-----------------------------|----------------------|--------------------|--------------------|
| M7037E. | TC10 1250/5A | 1250/5                | 50 x 50   60 x 30   80 x 30 | 10                   | 15                 | 20                 |
| M70375. | TC10 1500/5A | 1500/5                | 50 x 50   60 x 30   80 x 30 | 15                   | 20                 | 25                 |
| M70376. | TC10 1600/5A | 1600/5                | 50 x 50   60 x 30   80 x 30 | 15                   | 20                 | 25                 |
| M70377. | TC10 2000/5A | 2000/5                | 50 x 50   60 x 30   80 x 30 | 15                   | 20                 | 25                 |
| M70378. | TC10 2500/5A | 2500/5                | 50 x 50   60 x 30   80 x 30 | 15                   | 20                 | 30                 |
| M70379. | TC10 3000/5A | 3000/5                | 50 x 50   60 x 30   80 x 30 | 15                   | 20                 | 30                 |
| TC12    |              |                       |                             |                      |                    |                    |
| M7038B. | TC12 800/5A  | 800/5                 | 100 x 50                    | 10                   | 15                 | 20                 |
| M70381. | TC12 1000/5A | 1000/5                | 100 x 50                    | 10                   | 15                 | 20                 |
| M70382. | TC12 1200/5A | 1200/5                | 100 x 50                    | 10                   | 15                 | 20                 |
| M7038D. | TC12 1250/5A | 1250/5                | 100 x 50                    | 10                   | 15                 | 20                 |
| M70383. | TC12 1500/5A | 1500/5                | 100 x 50                    | 15                   | 20                 | 30                 |
| M70384. | TC12 1600/5A | 1600/5                | 100 x 50                    | 15                   | 20                 | 30                 |
| M70385. | TC12 2000/5A | 2000/5                | 100 x 50                    | 15                   | 20                 | 30                 |
| M70386. | TC12 2500/5A | 2500/5                | 100 x 50                    | 20                   | 30                 | 40                 |
| M70387. | TC12 3000/5A | 3000/5                | 100 x 50                    | 30                   | 40                 | 60                 |
| M7038C. | TC12 3200/5A | 3200/5                | 100 x 50                    | 30                   | 40                 | 60                 |
| M70388. | TC12 4000/5A | 4000/5                | 100 x 50                    | 35                   | 40                 | 60                 |

For other configurations see table of additional features

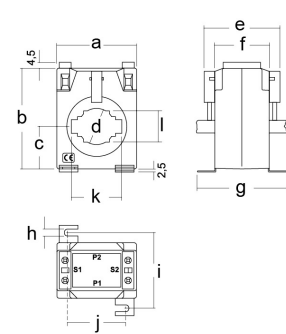


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Dimensions



|   | TC 5<br>TCH 5 | TC 5.2<br>TCH 5.2 | TC 6.2<br>TCH6.2 | TC 6<br>TCH 6 | TC 8<br>TCH 8 | TC 10<br>TCH 10 |
|---|---------------|-------------------|------------------|---------------|---------------|-----------------|
| a | 58            | 58                | 64               | 64            | 84,5          | 108             |
| b | 70            | 70                | 80,5             | 80,5          | 102           | 130             |
| c | 29            | 29                | 34               | 34            | 46            | 61              |
| d | 20,3          | 22                | 26               | 28,5          | 44            | 63              |
| e | 45            | 45                | 60,5             | 66,5          | 69            | ---             |
| f | 32            | 32                | 44               | 44            | 50            | 50              |
| g | 59            | 59                | 71               | 71,2          | 78            | 78              |
| h | 5,6           | 5,6               | 5,6              | 5,6           | 6,6           | 6,6             |
| i | 48            | 48                | 60               | 60            | 64            | 64              |
| j | 39            | 39                | 46               | 46            | 62            | 86              |
| k | 25,6          | 30,6              | 30,6             | 40,6          | 60,6          | 80,6            |
| l | 15,6          | 15,6              | 20,6             | 25,2          | 30,6          | 50,8            |