

## Current Transducer CT505-S(T)

**I<sub>PN</sub>=500Arms**

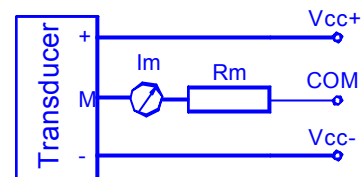
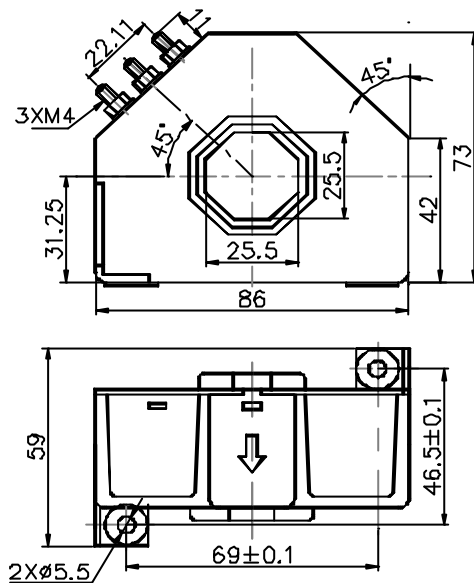
For the electronic measurement of currents: AC, DC IMPL.,etc.,with galvanic isolation between the primary (high power) and the secondary (electronic) circuits.

### Performance data

|                                                   |                   |                          |
|---------------------------------------------------|-------------------|--------------------------|
| Primary normal current I <sub>PN</sub>            | 500               | Arms                     |
| Primary current, measuring range I <sub>p</sub>   | 0..±1000          | A 3min/h                 |
| Measuring resistance                              | R <sub>Mmax</sub> |                          |
| with ±24V @ ±600A                                 | 10                | Ω                        |
| with ±24V @ ±1000A                                | 3                 | Ω                        |
| Secondary normal current                          | 142.8             | mA rms                   |
| Conversion ratio                                  | 1:3500            |                          |
| Supply voltage                                    | ±12.±24           | VDC(±5%)                 |
| Current consumption                               | 25±5mA (@±18V)+   | Secondary output current |
| Isolation test                                    | 6                 | kVrms/50Hz/1min          |
| Accuracy@ I <sub>PN</sub> , T <sub>A</sub> =+25°C | ≤±0.8%            |                          |
| Non-linearity                                     | ≤±0.1%            |                          |
| Offset current @+25°C                             | ≤±0.2             | mA                       |
| Response time @90% of I <sub>p</sub> max          | ≤1                | μs                       |
| Di/dt:                                            | ≥50               | A/μs                     |
| Operating temperature                             | -40..+85          | °C                       |
| Storage temperature                               | -45..+90          | °C                       |
| Mass                                              | ≤200              | g                        |



### Dimensions & connections



Note:CT505-S no bass