

CTAF...

Flexible measuring clamp





CTAF...

Device features

- Flexible measuring clamp with different strap lengths
- Space-saving and quick mounting
- Insulation fault location in outgoing circuits with little space around the active conductors
- Insulation fault location in outgoing circuits with large dimensions
- Insulation fault location on cables during ongoing operation
- Pulsed DC sensitive residual current measurement
- For insulation fault locator EDS195P(M), EDS309x
- Connection monitoring in combination with an EDS195P(M)
- Connection cable with BNC plug

Certifications



Product description

Measuring clamp for insulation fault location in IT systems in combination with an EDS195P (M) insulation fault locator and a locating current injector (PGH185, PGH186, IRDH575, iso685-...-P, iso1685...P). Here, the locating current is converted in combination with the insulation fault locator into an evaluable measurement signal. If the response value is exceeded, an alarm message is generated for a localised insulation fault.

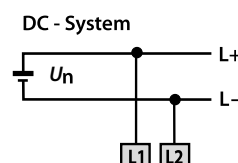
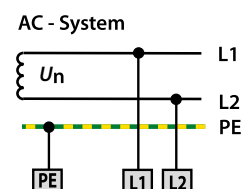
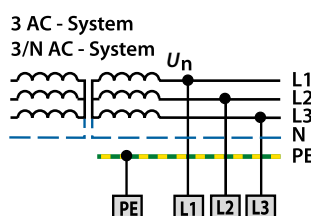
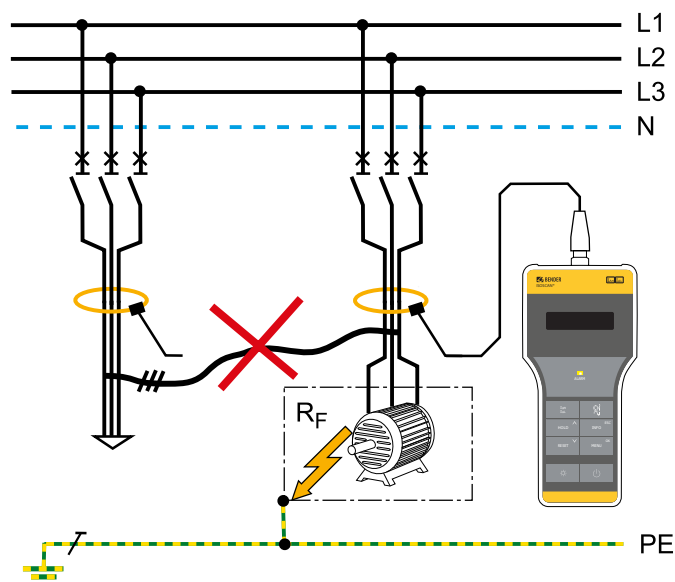
Ordering details

| Description | Type | Art. No. |
|--|----------|-----------|
| Flexible measuring clamp for insulation fault location and residual current measurement, with CTAF ENCLOSURE, CTAF500 STRAP, CTAF1000 STRAP, BNC cable, terminal, 4 fixing screws (2 + 2 spare screws), case Can only be used in combination with an EDS195P (M) | CTAF SET | B98080220 |

Accessories

| Description | Type | Art. No. |
|--|----------------|-----------|
| CTAF enclosure as spare part for CTAF SET without BNC cable, with terminal | CTAF ENCLOSURE | B98110026 |
| Strap 500 mm as spare part for CTAF SET | CTAF500 STRAP | B98110027 |
| Strap 1000 mm as spare part for CTAF SET | CTAF1000 STRAP | B98110028 |

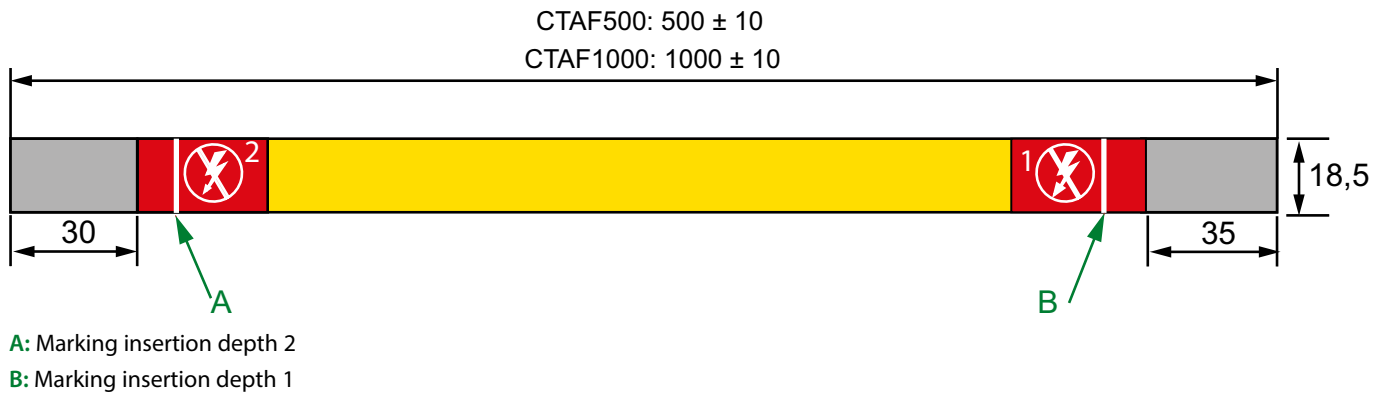
Anschlussbild



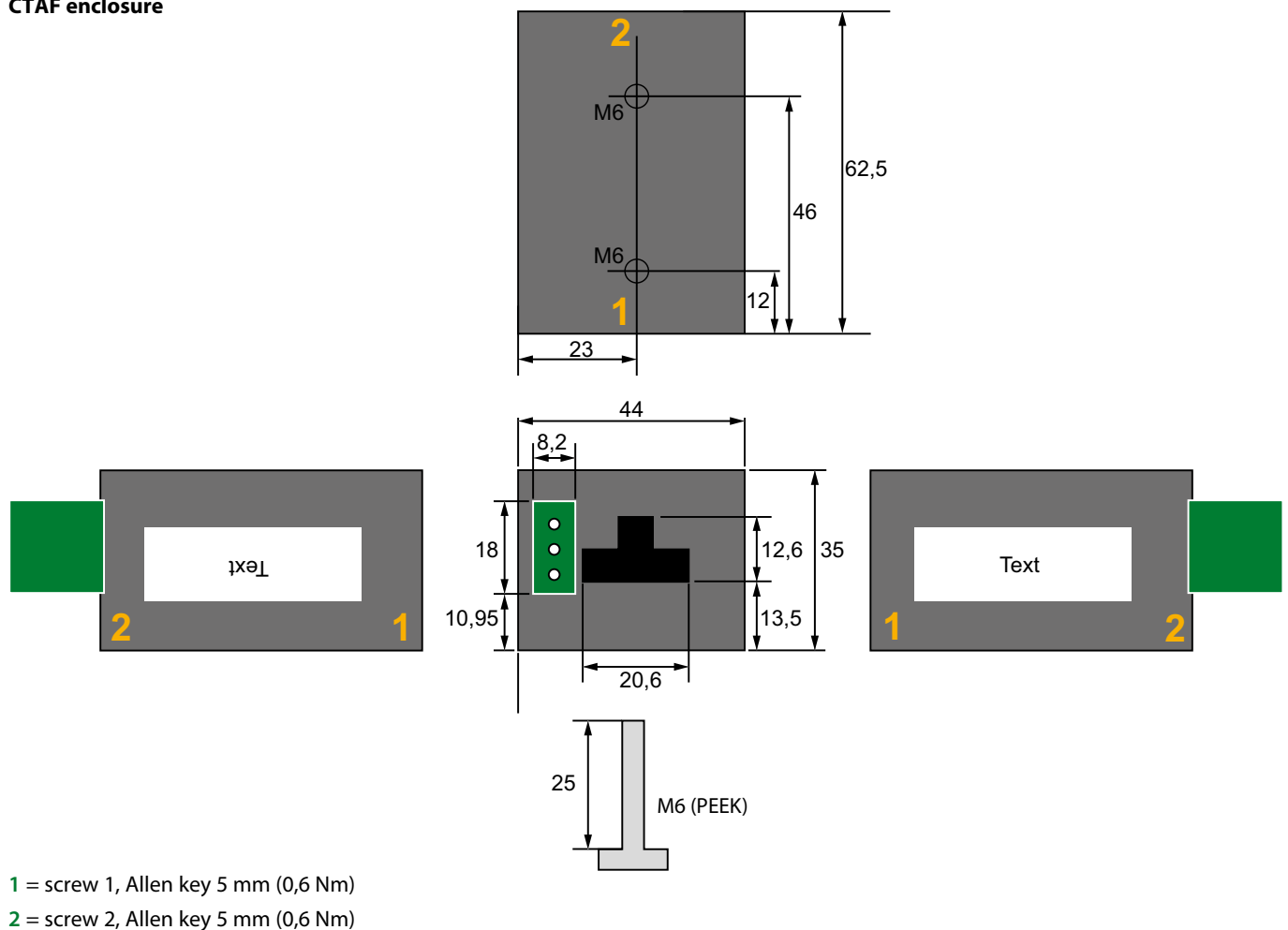
Dimension diagram

Dimensions in mm

CTAF... strap



CTAF enclosure



Technical data

Electrical safety

| | |
|----------------------------|--|
| Standard | IEC 61010-2-030 |
| Pollution degree | 2 |
| Equipment class | III |
| Operating voltage | 600 V |
| Nominal insulation voltage | AC 600 V CAT III or AC 300 V CAT IV |

Measuring current transformer circuit

| | |
|--|--|
| Primary rated residual current | 1 A |
| Secondary rated residual current | 0.1 mA |
| Rated transformation ratio K_n | 1 A/0.1 mA |
| Frequency range | 42...460 Hz |
| Rated continuous thermal current I_{cth} | 6 A |
| Rated short-time thermal current I_{th} | $60 \times I_{cth} = 0.36 \text{ kA/1 s}$ |
| Rated dynamic current I_{dyn} | $2.5 \times I_{th} = 0.9 \text{ kA/40 ms}$ |

Environment

| | |
|-----------------------|------------|
| Operating temperature | 0...+55 °C |
|-----------------------|------------|

Classification of climatic conditions acc. to IEC 60721

| | |
|-----------------------------------|--|
| Stationary use (IEC 60721-3-3) | 3K5 (except condensation and formation of ice) |
| Transport (IEC 60721-3-2) | 2K5 (except condensation and formation of ice) |
| Long-term storage (IEC 60721-3-1) | 1K5 (except condensation and formation of ice) |

Classification of mechanical conditions acc. to IEC 60721

| | |
|-----------------------------------|-----|
| Stationary use (IEC 60721-3-3) | 3M4 |
| Transport (IEC 60721-3-2) | 2M2 |
| Long-term storage (IEC 60721-3-1) | 1M3 |

Connection

| | |
|------------------|------------------------------------|
| Measuring output | Connection cable 2 m with BNC plug |
|------------------|------------------------------------|

Other

| | |
|--|----------------------------|
| Degree of protection, built-in components (DIN EN 60529) | IP30 |
| Degree of protection, terminals (DIN EN 60529) | IP20 |
| Fixing screw | plastic, material PEEK, M6 |
| Tightening torque of fixing screw | 0.6 Nm |
| Max. number of bending cycles (360°-180°-360°) | 100 |
| Flammability class | UL94 V-0 |
| Dimensions | |
| CTAF enclosure LxWxH | 62.5 x 44 x 35 mm |
| CTAF500 STRAP LxW | 500 x 18.5 mm |
| CTAF1000 STRAP LxW | 1000 x 18.5 mm |
| Weight CTAF set (without case) | < 650 g |



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