

# 11 Electrical variables

## Split-Core Type Transformer for AC Currents Chauvin Arnoux type Mini 09



- Perfectly suitable for use in maintenance and monitoring of electrical systems without interrupting their current supply.
- Application oriented design, particularly suitable for measurement in dense wiring.
- Ideal for non-contact control measurements with ALMEMO® hand-held devices, e.g. for fault currents or at devices with low current consumption.

### Technical Data

|                               |  |                      |  |
|-------------------------------|--|----------------------|--|
| Measuring range:              | 1A to 150A AC  | Admissible voltage   | 300 V category IV or 600 V category III  |
| Accuracy of meas. at 50/60Hz: | 40 to 150A: $\pm 4\%$<br>15 to 40A: $\pm 3\% \pm 0.2A$<br>5 to 15A: $\pm 6\% \pm 0.2A$<br>1 to 5A: $\pm 10\% \pm 0.2A$ | Operating frequency  | 48 to 500 Hz   |
| Encompassing capacity:        | cable $\varnothing$ 10mm   | Operating conditions | -10 to +50°C, 10 to 85% RH   |
| Transformation ratio:         | 100mVDC/1A AC  | Dimensions           | 130 x 37 x 25 mm   |
| Output signal:                | 15VDC  | Weight               | approx. 180 grams  |
| Nominal conditions            | 23°C $\pm 3K$ , 1013 mbar, 20 to 75% RH  | Storage temperature  | -40 to +80°C   |
| Electrical safety             | EN 61010-2-032 (issue 2/2003)  | Connecting cable     | Cable, 1.5 meters, with safety laboratory connectors, including safety coupling and 1.5-meter ALMEMO® connecting cable with banana plugs |

### Types (including manufacturer's test certificate)

Single-range split-core type transformer with integrated rectifying for small AC currents incl. ALMEMO® connecting cable ( $\pm 26VDC$ )

### Order no.

**FEA6049**

With test certificate of the manufacturer Chauvin Arnoux. Delivery in original packaging, adapted with ALMEMO® plug

## Split-Core Type Transformer for AC Currents Chauvin Arnoux type MN 88



- Perfectly suitable for use in maintenance and monitoring of electrical systems without interrupting their current supply.
- Asymmetric shape of the jaw of tongs, particularly suitable for encompassing cables and rails.
- With polarity indicator for power measurements.
- Ideal for non-contact control measurements with ALMEMO® handheld devices, e.g. at low power systems.

### Technical Data

|                            |   |                        |  |
|----------------------------|---|------------------------|--|
| Measuring range:           | 0.5A to 200A AC<br>(the higher value corresponds to 120% of the max. nominal value) | Dimensions:            | 135 x 50 x 30mm  |
| Accuracy of meas. at 50Hz: | $\pm 3\%$ of meas. val. $\pm 0.5A$  | Weight:                | approx. 180g   |
| Encompassing capacity:     | cable $\varnothing$ 20mm rail 20 x 5mm  | Nominal conditions:    | 25°C $\pm 3^\circ C$ /1013mbar   |
| Transformation ratio:      | 100mVDC/1A AC   | Operating temperature: | -10 to +55°C   |
| Output signal:             | 20VDC   | Relative humidity:     | 0% to 90% at 40°C max.   |
| Operating frequency:       | 40Hz to 10kHz   | Storage temperature:   | -40 to +70°C   |
| Safety standards:          | IEC 1010-1  | Connecting cable:      | Connecting cable Integrated banana sockets, including 1.5-meter ALMEMO® connecting cable with banana plugs |
| Overvoltage protection:    | category III  |                        |  |

### Types (including manufacturer's test certificate)

Single-range split-core type transformer with integrated rectifying for small AC currents incl. ALMEMO® connecting cable ( $\pm 26VDC$ )

### Order no.

**FEA604MN**

With test certificate of the manufacturer Chauvin Arnoux. Delivery in original packaging, adapted with ALMEMO® plug

## Split-Core Type Transformer for AC Currents Chauvin Arnoux type Y4N



- Perfectly suitable for use in maintenance and monitoring of electrical systems without interrupting their current supply.
- Asymmetric shape of the jaw of tongs, particularly suitable for encompassing cables and rails.
- With polarity indicator for power measurements.
- Ideal for non-contact control measurements with ALMEMO® handheld devices, e.g. at low power systems.

### Technical Data

|  |                             |                        |  |
|--|-----------------------------|------------------------|--|
| Measuring range:<br>(the higher value corresponds to 120% of the max. nominal value) | 2A to 500A AC               | Dimensions:            | 215 x 66 x 34mm  |
| Accuracy of meas. at 50Hz:   | ± 3% of meas. val. ±0.5A    | Weight:                | approx. 420g   |
| Encompassing capacity:   | cable Ø 30mm rail 30 x 63mm | Nominal conditions:    | 25°C ±3°C/1013mbar   |
| Transformation ratio:  | 1mVDC/1A AC                 | Operating temperature: | -10 to +55°C   |
| Output signal:   | 0.5VDC                      | Relative humidity:     | 0% to 90% at 40°C max.   |
| Operating frequency:   | 40Hz to 1kHz                | Storage temperature:   | -40 to +70°C   |
| Safety standards:  | IEC 348, IEC 1010-2-032     | Connecting cable:      | Cable, 1.5 meters, with safety laboratory connectors, including safety coupling and 1.5-meter ALMEMO® connecting cable with banana plugs |
| Overvoltage protection:  | no                          |                        |  |

### Types (including manufacturer's test certificate)

Single-range split-core type transformer with integrated rectifying for small and medium AC currents incl. ALMEMO® connecting cable (±2.6VDC)

### Order no.

**FEA6044N**

With test certificate of the manufacturer Chauvin Arnoux. Delivery in original packaging, adapted with ALMEMO® plug