

ELECTRICAL VARIABLES

Split-Core Type Transformer for AC Currents Type FEA6049



- ▶ 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.

Types (including manufacturer's test certificate)

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

Order no. FEA6049

Technical Data:

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

01/2011 We reserve the right to make technical changes.

Split-Core Type Transformer for AC Currents Type FEA604MN



- ▶ 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.

Types (including manufacturer's test certificate)

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

Order no. FEA604MN

Technical Data:

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

ELECTRICAL VARIABLES

Split-Core Type Transformer for AC Currents FEA 6044 N



- ▶ 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.

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**

Technical Data:

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