

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 (±26VDC)

Order no. FEA6049

Technical Data:

Measuring range:	1A to 150A AC
Accuracy of meas. at 50/60Hz:	40 to 150A: ± 4% 15 to 40A: ± 3% ± 0.2A 5 to 15A: ± 6% ± 0.2A 1 to 5A: ± 10% ± 0.2A
Encompassing capacity:	cable Ø 10mm
Transformation ratio:	100mVDC/1A AC
Output signal:	15VDC
Nominal conditions	23°C ± 3K, 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 (±26VDC)

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:	± 3% of meas. val. ± 0.5A
Encompassing capacity:	cable Ø 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 ± 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:	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 ($\pm 2.6\text{VDC}$) **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:	$\pm 3\%$ of meas. val. $\pm 0.5\text{A}$
Encompassing capacity:	cable \varnothing 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 $\pm 3^\circ\text{C}$ /1013mbar
Operating temperature:	-10 to +55°C
Relative humidity:	0% to 90% at 40°C max.
Storage temperature:	-40 to +70°C
Connecting cable:	Cable, 1.5 meters, with safety laboratory connectors, including safety coupling and 1.5-meter ALMEMO connecting cable with banana plugs