Split-Core Type Transformer for AC Currents FEA 6049



- 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
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

Types (including manufacturer's test certificate) **Order no.**

Single-range split-core type transformer with integrated rectifying for small AC currents incl. ALMEMO® connecting cable (±26VDC) **FEA6049**

DAkkS / DKD or factory calibration KE90xx electrical for sensor (see chapter Calibration certificates)

Split-Core Type Transformer for AC Currents FEA 604 MN



- 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: (the higher value corresponds to 120% of the max. nominal value)	0.5A to 200A AC
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

Types (including manufacturer's test certificate) **Order no.**

Single-range split-core type transformer with integrated rectifying for small AC currents incl. ALMEMO® connecting cable (±26VDC) **FEA604MN**

DAkkS / DKD or factory calibration KE90xx electrical for sensor (see chapter Calibration certificates)

10/2013 • We reserve the right to make technical changes.

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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.

Technical Data

Measuring range: (the higher value corresponds to 120% of the max. nominal value)	2A to 500A AC
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

Types (including manufacturer's test certificate)	**Order no.**
Single-range split-core type transformer with integrated rectifying for small and medium AC currents incl. ALMEMO® connecting cable (±2.6VDC)	**FEA6044N**
DAkkS / DKD or factory calibration KE90xx electrical for sensor (see chapter Calibration certificates)	