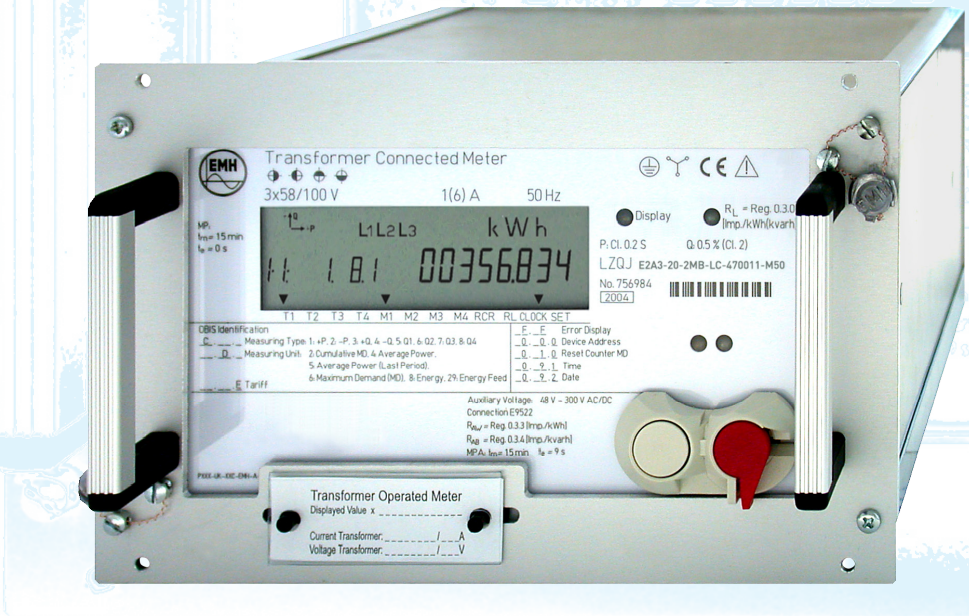
LZQJ-E

- ✓ Precision meter for 19" module carrier
- ✓ Design acc. to VDEW-Specifications 2.1
- ✓ Measuring accuracy in Cl. 0,2 S and Cl. 0,5 S
- ✓ Auxiliary voltage input 48-300 V AC/DC
- ✓ Long-range version and certification relevant logbook
- ✓ DCF-connection
- ✓ Optical fibre interface
- ✓ Detection of momentary values



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Precision meter for 19" module carrier - LZQJ-E

Voltage	4-wire meter 3-wire meter 2-wire meter	3x58/100 V...3x240/415 V 3x100 V...3x415 V 1x100 V...1x220 V
Current		5||1 A, 1 A, 1(2) A, 1(6) A, 5 A
Frequency		50 Hz, 60 Hz, 16,7 Hz
Accuracy	active energy reactive energy	Cl. 0,2 S or Cl. 0,5 S 0,5% (Cl. 2) or 1% (Cl. 2)
Measuring system	designation	compensated current transformer
Measuring types	active energy reactive energy others	+A, -A +R, -R, R1, R2, R3, R4 S, Ah, U^2h, I^2h
Meter constants	LED (Imp./kWh[kvarh]) output (Imp./kWh[kvarh]) configuration ability	10 000...100 000 (depending on meter type) 5 000...50 000 (depending on meter type) after certification by means of the certification relevant logbook
Energy registers	maximum number	32 tariff registers + 8 tariffless registers, each with 15 historical values
Maximum registers	maximum number measuring period	32 tariff registers + 8 tariffless registers, each with 15 historical values 1, 5, 10, 15, 30, 60 min, adjustable
Load profile	maximum number of channels typical memory depth at 1 channel registering period registering type	32 300 days and 15 min 1, 5, 10, 15, 30, 60 min, adjustable power, energy, energy feed
Real Time Clock	accuracy synchronisation running reserve battery running reserve capacitor	within ± 5 ppm via data interfaces, control input or DCF-module > 20 years > 10 days
Control inputs	S0-input / system voltage	maximum 5 / maximum 7 (in total maximum 7 inputs possible)
Data retention time		without voltage in the EEPROM, at least 20 years
Display	display version height of digits alternative display height of digits	VDEW-display, 84 mm x 24 mm 8 mm alphanumerical display 4 x 20 characters, 70,4 mm x 20,8 mm 4 mm
Operation	mechanical buttons optical sensor	for operation of display and reset (sealable) for operation of display
Data interfaces	optical data interface electrical data interface data protocols maximum transmission rate	optical data interface D0 RS485, RS232 or CL0 IEC 62056-21 or DLMS 9600 baud (fixed or Mode C/E)
Outputs	maximum number Opto-MOSFET S0-output relays	7 maximum 250 V AC/DC, 100 mA (make contact [NO] or break contact [NC]) maximum 27 V DC, 27 mA (passive) maximum 250 V AC/DC, 100 mA (maximum 2 relays)
Energy supply	switched-mode power supply mains buffering time	3-phase > 500 ms, optional > 1 s
Auxiliary voltage supply	long-range	48...300 V AC/DC
Power consumption per phase (Basic meter)	voltage path with auxiliary voltage without auxiliary voltage current path auxiliary voltage	 < 0,02 VA / < 0,01 W (3x58/100 V) < 0,45 VA / < 0,45 W (3x58/100 V) < 0,008 VA < 2,9 VA
EMC-characteristics	isolation resistance surge voltage resistance against HF-fields	4 kV AC, 50 Hz, 1 min 8 kV, impulse 1,2/50 µs, 2 Ω (measuring paths, auxiliary voltage) 6 kV, impulse 1,2/50 µs, 500 Ω (outputs: Opto-MOSFET, relays; inputs: system voltage) 30 V/m (under load)
Temperature range	specified operating range limit range for operation, storage and transport	-25°C...+55°C -40°C...+70°C
Relative humidity		95%, non-condensing acc. to IEC 62052-11, EN 50470-1 and IEC 60068-2-30
Housing	dimensions class of protection degree of protection: housing housing material fire characteristics	approx. 203 x 132,5 x 247,7 (W x H x D) mm, acc. to DIN 43862/IEC 297-3 (42 TE) I IP 50 aluminium, polycarbonate glass-fibre reinforced, without halogen, recyclable acc. to IEC 62052-11
Weight		2,1 kg
Terminals		ESSAILEC-plug-in system or Phoenix-screw terminals
Further features	measuring of instantaneous values installation check optical fibre interface	P, Q, S (per phase and sum), U, I, power factor (per phase), line frequency, phase failures via instantaneous values (service data) possible for connection of up to 4 optical fibre separation boxes

Product specifications are subject to change without notice!