

## DATA SHEET: COMPACT INDUSTRY METER KIZ



### SCHRACK-INFO

- Electricity meter for measuring of active energy in single- or two-tariff design for billing purposes
- Compact design, only 4 pitch wide
- DIN-Rail mounting acc. to IEC 60715
- 2 tariffs
- Bus capable: M-Bus-interface, optional
- Impulse output S0
- LC-display with 7 digitals
- Measuring of instantaneous values
- With EC type-examination certificate acc. to directive 2004/22/EG (M I D = Measuring Instrument Directive)

## TECHNICAL DATA

Voltage	4-wire-meter	3x230/400 V
	2-wire-meter	230 V
Current		0,25 – 5(65) A
		0,5 – 10(65) A
Starting current		20 mA
Frequency		50 Hz
Accuracy	active energy	Cl. B acc. to EN 50470-1, -3
Measuring types	active energy	+A (with non-reverse ratchet)
Meter constants	LED	10 000 Imp./kWh
	output	1000 Imp./kWh
Energy registers	number	max. 2 tariff registers (T1 / T2)
Control input for tariff switching (option)	number / system voltage	max. 1 / 230 V AC
Data retention time		without voltage in FLASH / EEPROM, at least 20 years
Display	version	LCD
	number of digits	7
	digitness	6,1
	digit size in the value range	approx. 5,8 x 3,5 mm (H x W)
Data interface (option)	M-Bus	acc. to DIN EN 13757-2, -3 (300 ... 9600 Baud)
Output (option)	number	1
	SO	max. 27 V DC, 27 mA (passiv)
	pulse length	100 ms
Energy supply	switched-mode power supply	3-phase from the measuring voltage
Power consumption per phase (Basic meter)	voltage path	< 0,55 VA / < 0,4 W
	current path	< 0,01 VA
EMC-characteristics	isolation resistance	Isolation: 4 kVAC, 50 Hz, 1 min
	surge voltage	EMC: 4 kV, Impulse 1,2150 $\mu$ s, 2 $\Omega$ , ISO: 6 kV, Impulse 1,2150 $\mu$ s, 500 $\Omega$
	resistance against HF-field	10 V/m (under load)
Temperature range	specified operating range	-25°C...+55°C
	limit range for operation, storage and transportation	-40°C...+70°C
Relative humidity		95%, non-condensing acc. to IEC 62052-11, EN 50470-1 and IEC 60068-2-30
Housing	dimensions	4 TE = 72 x 90 x 61 mm (W x H x D)
	class of protection	II
	degree of protection, terminals	IP20
	material	polycarbonate glass-fibre-reinforced
	fire characteristics	acc. to DIN EN 62052-11
Weight		approx. 350 g
Connection-cross section	current-/neutral terminals	max. 16 mm <sup>2</sup>
	voltage-/auxiliary terminals	max. 2,5 mm <sup>2</sup>
Further features	measuring of instantaneous values	power, voltage, current

DESCRIPTION	ORDER NO.
Modular 4-wire-kwh-meter 65A direct, digital, 2 tariff, with MID	MGKIZ065
Modular 4-wire-kwh-meter 65A direct, digital, 2 tariff, with MID, with M-Bus	MGKIZ365
Modular 2-wire-kwh-meter 65A direct, digital, 2 tariff, with MID	MGKIZ165
Modular 2-wire-kwh-meter 65A direct, digital, 2 tariff, with MID, with M-Bus	MGKIZ665