

■ Datasheet: Digital kWh 2-wire-kwh-meter 32A, direct, with MID



■ SCHRACK-INFO

- For industrial applications and billing purposes
- Smallest possible standard housing 1 MW
- Bus capable: M-Bus-interface
- LC-display with 6 digits
- Measuring of instantaneous values
- With EC type-examination certificate acc. to directive 2004/22/EC (MID = Measuring Instrument Directive)

■ Technical Data

Voltage	2-wire meter	230V
Current		0,25-5(32)A
Starting current		20mA
Frequency		50Hz
Accuracy	active energy	Cl. B acc. to EN 50470-1, -3
Measuring types	active energy	A+
Meter constants	LED	5 000 Imp./kWh
	output	1 000 Imp./kWh
Energy registers		1 tariff register
Data retention time		without voltage in the EEPROM, at least 20 years
Display	version	LCD
	number of digits	6
	digitness	5,1
	digit size in the value range	approx. 2,7 x 6,25 (W x H) mm
	display of instantaneous values	scrolling

Operation (optional)	operation button	for operation of display
Data interfaces (optional)	M-Bus	acc. to DIN EN 13757-2, -3 (300...9600 baud)
Output	number SO-output pulse length	1 maximum 27 V DC, 27 mA (passive) 50 ms
Energy supply	capacitor power supply	from the measuring voltage
Power consumption	voltage path	< 0,4 W
EMC-characteristics	isolation resistance surge voltage resistance against HF-fields	isolation: 4 kV AC, 50 Hz, 1 min EMV: 4 kV, Impuls 1,2/50 µs, 2 Ω, ISO: 6 kV, Impuls 1,2/50 µs, 500 Ω 10 V/m (under load)
Temperature range	specified operating range storage and transport	-25 °C...+55 °C -40 °C...+70 °C
Relative humidity		max. 95 %, non-condensing, acc. to IEC 62052-11, EN 50470-1 and IEC 60068-2-30
Housing	dimensions	DIN 43880 (1 MW wide = 18 mm)
	class of protection	II
	degree of protection housing	IP 20
	degree of protection terminals	IP 20
	material	polycarbonate glass-fibre reinforced, without halogen, recyclable
	fire characteristics	Acc. to IEC 62052-11
Environmental conditions	mechanical electromagnetic planned site of installation	M1 acc. to Measuring Instruments Directive E2 acc. to Measuring Instruments Directive indoor acc. to EN 50470-1
Weight		approx. 67,5 g
Connection cross-section	current- / neutral terminals auxiliary terminals	maximum 6 mm ² maximum 2,5 mm ²
Further features	measuring of instantaneous values	power, voltage, current, frequency and power factor

 Article number

DESCRIPTION	ORDER NO.
Digitaler Zähler 1 phasig 32A, 1 TE m. MID	MGMIZ132-A