



MIZ - Premium

Mini Industry Meter

- ✓ For industrial applications and billing purposes
- ✓ Smallest possible standard housing 1 pitch
- ✓ DIN-Rail mounting acc. to IEC 60715
- ✓ Bus capable: M-Bus-interface
- ✓ Impulse output S0
- ✓ LC-display with 6 digits
- ✓ Measuring of instantaneous values
- ✓ With EC **type-examination certificate** acc. to directive 2004/22/EC (MID = Measuring Instrument Directive)



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NOMINAL VOLTAGE	2-wire meter	230 V
OPERATING VOLTAGE		$(0,8...1,15) \times U_n$
CURRENT		0,25 - 5(32) A
STARTING CURRENT		20 mA
SHORT CIRCUIT CURRENT		$30 \times I_{max}$, 10 ms
FREQUENCY		50 Hz
ACCURACY	active energy	Cl. B acc. to EN 50470-1, -3
MEASURING TYPES	active energy	+A
METER CONSTANTS	LED output	5 000 Imp./kWh 1 000 Imp./kWh
ENERGY REGISTERS		1 tariff register
DATA RETENTION TIME		without voltage in the EEPROM, at least 20 years
DISPLAY	version number of digits digitness digit size in the value range display of instantaneous values	LCD 6 5,1 approx. 2,7 × 6,25 (W × H) mm scrolling
OPERATION	operation button	for operation of display
DATA INTERFACES	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 EMC: 4 kV, impulse 1,2/50 μs, 2 Ω, ISO: 6 kV, impulse 1,2/50 μs, 500 Ω 10 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		max. 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 degree of protection terminals material fire characteristics	DIN 43880 (1 pitch wide = 18 mm) II IP 20 IP 20 polycarbonate glass-fibre reinforced, without halogen, recyclable 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 CONNECTION		approx. 67,5 g
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

Product specifications are subject to change without notice!