

ITZ generation N

- ✓ Measuring of +A
- ✓ Up to 4 tariffs
- ✓ Internal Real Time Clock
- ✓ Measuring of instantaneous values

Options:

- ✓ Measuring of -A or |A|
- ✓ Measuring of +R, -R or |R|
- ✓ Manipulation recognition

ITZ
WME40-SLK-DC-000A1-M5PG

01203 Y1
00046
1.81

Polyphase Meter
3x230/400V 0.25-5
R_e = 500 imp./kWh
64702

U1	Time
1.80	ActiveEnergy 24 hours active
1.8x	ActiveEnergy 24h x
2.80	ActiveEnergy 24 hours active

EMH
Nr. 551656



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Digital Tariff Meter - ITZ generation N

Voltage	4-wire meter	3 x 230/400 V, 3 x 240/415 V, 3 x 220/380 V, 3 x 58/100 V, 3 x 63/110 V, 3 x 115/200 V, 3 x 127/220 V, 3 x 132/230 V
Current		5(60) A, 5(85) A, 5(100) A, 10(60) A, 10(65) A, 10(100) A, 1(6) A, 5(6) A
Frequency		50 Hz, 60 Hz
Accuracy	active energy reactive energy	Cl. A or Cl. B acc. to EN 50470-1, -3 (Cl. 2 or Cl. 1 acc. to IEC 62053-21) Cl. 3 or Cl. 2 acc. to IEC 62053-23
Measuring types	active energy reactive energy	+A (with non-reverse ratchet), optional: +A/-A or A +R (with non-reverse ratchet), optional: +R/-R or R
Meter constants	LED output	500 - 40 000 Imp./kWh (depending on meter type) 250 - 20 000 Imp./kWh (depending on meter type)
Energy registers	maximum number	4 tariff registers + 1 tariffless register, 15 pre-values for every measuring type each
Maximum registers	maximum number measuring period	1 maximum register (24 h active), 15 pre-values for every measuring type each 5, 6, 10, 12, 15, 20, 30, 60 min (parameterable)
Real time clock	accuracy synchronisation running reserve battery running reserve capacitor	within ± 5 ppm via data interfaces or control input > 20 years > 7 days
Control inputs	S0- or impulse input system voltage	1 max. 2
Data retention time		without voltage in the EEPROM, at least 20 years
Display	type digit size additional display	LCD 8 x 4 mm (value range) status information about phase failure, phase sequence, tariffs, meter start-up, manipulation and running reserve of RTC
Operation	mechanical buttons optical sensor	for display call-up and reset (sealable) for display call-up
Data interfaces	optical data interface electrical data interface radio interface data protocol	D0 (Mode C up to 4800 baud) CL0, RS232 or RS485 (fixed or Mode C up to 9600 baud) integrated raconet radio module IEC 62056-21
Raconet radio module (optional)	functions transmitting frequency certification	meter remote readout via bi-directional communication, online mode, transferring of commands, automatic network build-up etc. 868 MHz in licence free ISM-band acc. to DIN EN 300220
Outputs	maximum number S0 Opto-MOSFET high load relay	3 max. 27 V DC, 27 mA max. 250 V AC/DC, 100 mA (make contact [NO] or brak contact [NC]) max. 250 V AC/DC, 10 A (make contact [NO])
Energy supply	mains buffering time	> 200 ms
Power consumption per phase (typical)	voltage path current path	> 1,3 VA/0,8 W > 0,03 VA
EMC-characteristics	isolation resistance surge voltage	isolation: 4 kV AC, 50 Hz, 1 min EMC: 4 kV, impulse 1,2/50 μ s, 2 Ω ISO: 6 kV, impulse 1,2/50 μ s, 500 Ω (measuring paths and inputs and outputs)
Temperature range	resistance against HF-fields specified operating range limit range for operation, storage and transport	10 V/m (under load) -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 housing material fire characteristics	approx. 178 x 328 x 61 (W x H x D) mm II IP 51 IP 20 polycarbonate glass-fibre reinforced, without halogen, recyclable acc. to IEC 62052-11
Environmental conditions	mechanical electromagnetic intended location	M1 acc. to Measuring Instruments Directive (2004/22/EC) E2 acc. to Measuring Instruments Directive (2004/22/EC) indoor acc. to EN 50470-1
Weight		up to 60 A approx. 1,35 kg up to 100 A approx. 1,6 kg
Further features	manipulation recognition with opening of the terminal cover and recognition of electro-magnetic interference measuring of instantaneous values	Registration of the number of manipulation attempts and the start and end of the last 10 manipulation attempts. P and Q (sum), U and I (per phase)

Product specifications are subject to change without notice!

