



C8

Polyphase induction electricity meters



C8 - Electromechanical watt-hour meters
made by PAFAL

MAIN FEATURES

- Watt-hour meters for the measurement of alternating current electrical energy in three-phase 4-wire circuits
- Watt-hour meters for three-phase 3-wire circuits (B8 meter)
- Meter case according to DIN made of high quality plastics
- Var-hour meters for three-phase 4-wire circuits

OPTIONAL FEATURES

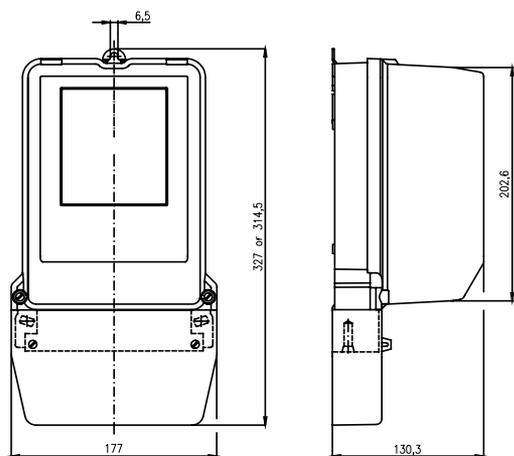
- Single- or double-rate register
- Time switch built-in terminal cover
- Pulse output device (conversion of measured energy into proportional number of electrical impulses, which can be received by energy and power register or other equipment for data processing)
- LED indicator of failure in voltage circuits
- Electronic maximum demand unit

Reliable, Simple and Proven in Practice

SPECIFICATIONS

Reference voltage (U_n)	[V]	3 x 220/380; 3 x 230/400; 3 x 240/415				3 x 230/400; 3 x 58/100	3 x 208; 3 x 230; 3 x 380; 3 x 400; 3 x 415; 2 x 120/208		
Method of connection		direct				through instrument transformers	direct (meter with two measuring elements)		
Basic (rated) current (I_b)	[A]	5	10	20	20	1	10	20	20
Maximum current (I_{max})	[A]	30	60	80	120	6	60	80	120
Starting current	[mA]	25	50	100		3	50	100	100
Supply frequency (f_n)	[Hz]	50 / 60							
Impulse test voltage	[kV]	6							
AC insulation test voltage	[kV]	4							
Accuracy class		2 / A							
Protection degree		IP54 (outdoor meters)							
Number of tariffs		One or two							
Register		7 digits (height of 4,5 or 7,2 mm)							
Bottom bearing		double-jewel or magnetic suspension							
Upper bearing		pin-sleeve							
Operating temperature range	[°C]	-30 to 70							
Power consumption in voltage circuits	[W/VA]	1.0 / 4.0							
Power consumption in current circuits	[VA]	0.11	0.18		0.06		0.18		
Pulse output device		$I_{max} = 27 \text{ mA at } U = 27 \text{ V}$							
Weight	[kg]	3.0 ± 3.5							
Standards		IEC EN 62052-11, IEC EN 62053-11 / EN 50470-1, EN 50470-2							

The meter specifications can be modified according to client's requirements

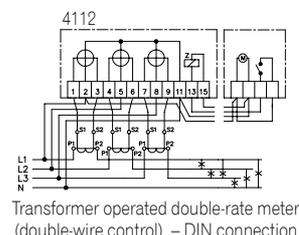
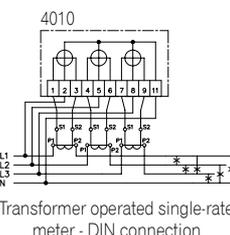
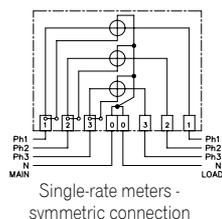
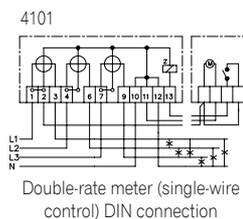
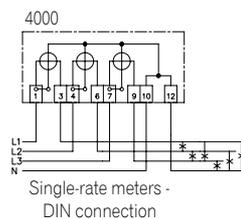


C8 meter's overall dimensions acc. to DIN

6C8d

- 6** ratio of maximum current to basic (rated) current I_{max}/I_b
- C** induction three-phase meter for three-phase 4-wire circuits
- B** induction three-phase meter for three-phase 3-wire circuits
- 8** design designation
- a** transformer operated meter (lack of "a" letter means meter for direct connection)
- b** meter for reactive energy (lack of 'b' letter means meter for active energy)
- c** double-rate register
- d** reversal-preventing device
- g** pulse output device
- m** magnetic bottom bearing
- p** electronic maximum demand unit
- z** LED indicator of malfunction in voltage circuits

Connection diagrams



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