



AEL.TF.32

INTRODUCTORY AND OPERATING MANUAL

THREE-PHASE ACTIVE

ELECTRONIC ELECTRICITY METERS

CE M17 0122

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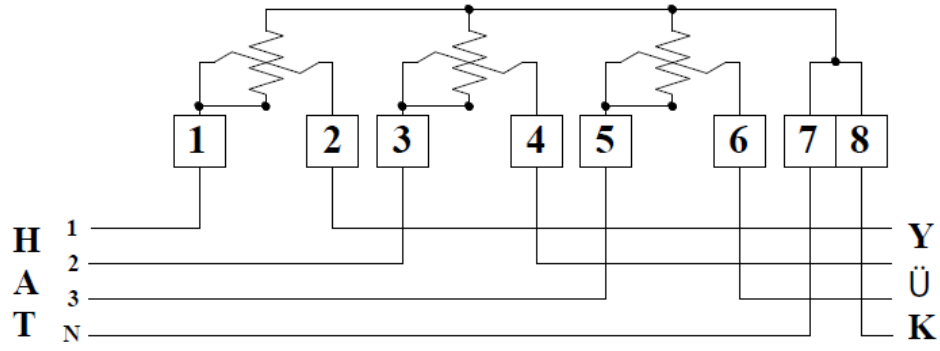
1. TECHNICAL SPECIFICATIONS OF THE ELECTRICITY METER

Type	AEL.TF.32
Name	3 Phase 4 Wire, 4 Tariff, Demand Measuring, Outdoor, Active Electronic Electric Meter
Class	B
Reference Voltage (Un)	3x230/400V
Reference Frequency (Fn)	50 Hz $\pm$ %5
Starting Current (Ist)	20mA (0,04.Itr)
Minimum Current (Imin)	0,25A
Transition Current (Itr)	0,5A
Reference Current (In)	5A
Maximum Current (Imax)	100A
Operating Voltage Range	From 0,8Un to 1,15Un
IP Class	IP54 (Outdoor)
Protection Class	Two (2)
Relative Humidity Ratio	%95
Operating Temperature	-40°C, +70°C (3K7)
Mechanical Environment	M1 (2004/22/EC Directive)
Electromagnetic Environment	E2 (2004/22/EC Directive)
User Environment	For Non-Condensing Humidity Environment
Power Consumption in Voltage Circuit	$\leq$ 2W, $\leq$ 10VA
Power Consumption in Current Circuit	$\leq$ 4VA
ESD Voltage Resistance	Contact Discharge : 8 kV Air Discharge : 15 kV
Pulse Voltage	6 kV
Meter Constant	1000 imp/kWh,
LCD Display	6+3 Digit
Communication Speed	300-4800 Baud (IEC 62056-21)
Interface Unit	Optik Port (IEC 62056-21)
Battery Life of the System	$\geq$ 10 year
Real Time Clock Battery Life	$\geq$ 10 year
Shelf Life of the Electricity Meter	$\geq$ 4 year
Time Clock Accuracy	0,5 s/day (at room temperature) (IEC-EN 61038)
Data Storage Capacity	1 year
Related Standards	EN 50470-1, EN 50470-3

Percentage Error Limits at Reference Conditions

Current Range	Power Factor	Percentage Error Limit (%)
0,5A < I < 1A	1	$\pm$ 1,5
1A < I < 80A	0,5 ind....1.....cap 0,8	$\pm$ 1

METER CONNECTIONS



METER DIMENSIONS

