

# MULTIS Lm46

# Measurement devices

three phases - all electrical parameters - 96 x 96 mm

nulti\_084\_a



MULTIS Lm46

## The solution for

Industry



### Function

The Socomec MULTIS Lm46 range, 96 x 96 mm ensures an accurate measurement of all electrical parameters I, V, Hz, P, Q, S & E.

### Applications

• MULTIS Lm46 is a digital three phase multifunction meter for measuring electrical value like voltage, current, energy with on site programmable functions of CT / PT, RS485 modbus Communication.

### Advantages

- Made of sturdy polycarbonate housing.
- Resistant to high shock level and adapted for working in a high pollution environment.
- Suitable for 3 phase 3 wire or 3 phase 4 wire network types.
- Both CT as well as PT are programmable.
- A very comprehensive parameter profile for energy measurement and power monitoring, that includes phase angle for current and voltage.
- Active, reactive as well as apparent powers are displayed.
- RPM, run hrs, ON hrs and interrupt are indicated.
- Key demand parameters are measured, including current, KVA, KW with nominal as well as maximum values.
- Characterized by high overload withstand, password protection.
- With annunciation of -ve sign display for the active power in 2nd or 3rd quadrant.



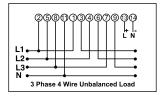
**MULTIS Lm46** 

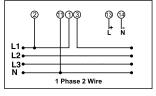
Measurement devices three phases - all electrical parameters - 96 x 96 mm

# Dimensions

Туре	panel mounting
Dimensions W x H x D	96 x 96 x 46 mm
Font IP	IP50
Rear IP	IP20
Weight	0.32 kg

### Connection





### Electrical characteristics

Auxiliary power supply		
Voltage	40 V 300 VAC-DC (±5%)	
Frequency	45 65 Hz	
Consumption	< 4 VA approx	
Operating conditions		
Operating temperature	0 +50 °C	

### Measurement

Current measurements	
System CT secondary	1 A & 5 A
System CT primary	from 1 A up to 9999 A
Max. continuous input current	120 % of rated value
Accuracy	± 1.0 %
Voltage measurements	
Nominal input voltage	PN-290 V, PP-500 V
System PT secondary	100V LL to 500V LL
System PT primary	100V LL to 692K LL
Max. continuous input voltage	120% of rated value
Accuracy	± 1.0%
Frequency measurement	
Frequency range	45 65 Hz
Accuracy	± 0.5 %
Energy accuracy	
Active energy	± 1.0%
Reactive energy	± 1.0%

### References

		MULTIS Lm46
Auxiliary supply	Frequency	Reference
40 300 VAC	45 65 Hz	192J <b>9112</b>

