

LQT60 WIDE

CONFIGURABLE MULTI TRANSDUCER FOR ALL ELECTRICAL NETWORKS



LQT60 Wide is a configurable multi transducer for all electrical networks. Any 5 measurable electrical quantities can be linked to the 5 analog outputs. It has 2 pulse outputs for measuring active and reactive energy. All electrical quantities can be obtained through its RS485 communication port.

The configuration is simple using "ConfigLQT" software through the USB port. The software is available and free to download on our web page.

Model LTQ60

Input	Voltage	
	Voltage range (Un) Measuring range Configurable measuring range Frequency Overload voltage Consumption	100 – 400 V main voltage (nominal) 3 – 500 V TRMS L-L 50/60 Hz, (5 - 500 V TRMS L-L 16 2/3 Hz) 0 - 500 V L-L / 0 - 300 V L-N 10... <u>40</u> ...70...120 Hz, (10... <u>15</u> ...18...120 Hz) 1.5 x Un – continuously, 2 x Un – 10 s U x 1 mA / phase
	Current	
	Current (In) Measuring range Configurable measuring range Overload current Consumption	1 – 5 A 0,005 – 10 A TRMS 0 - 10 A TRMS 2 x In continuously, 10 x In 15 s, 40 x In 1 s <0.05 VA / phase
	Supply voltage	
	Power supply Burden	24 – 250 VDC, 80 – 250 VAC max 8 VA
Measuring Quantity U-main, U-phase, I, P, Q, S, F, PF, PA		
Output	Analog output	5
	Range External resistance load Response time Characteristic point	+/- 20 mA max 750 ohm (15 V) <100 msec 5
	Digital output	2 x transistor 110 V AC/DC, 100 mA
	Communication	
	Serial	RS485 - MODBUS
General data	Accuracy Galvanic isolation	0.2 Supply, in- and output are galvanically isolated
	USB Temperature	USB Mini-b for configuration -10...+55 °C (operation), -40...+70 °C (storage) Temperature coefficient less than 0.1% / 10 °C
	Test voltage Inputs	4 kV AC / min Overvoltage 300 V L-N cat. III
	Pollution degree Dimension (B x H x D) Weight Standards	2 150 x 70 x 73 mm – DIN-rail ca 0.5 kg SS-EN 60688 Transducers SS-EN 61010-1 Safety EN 61000-6-2 / -6-4 / -6-5
Order code		LQT60-512100, 50/60 Hz, class 0.2 LQT60-512103, 16 2/3 Hz, class 0.2

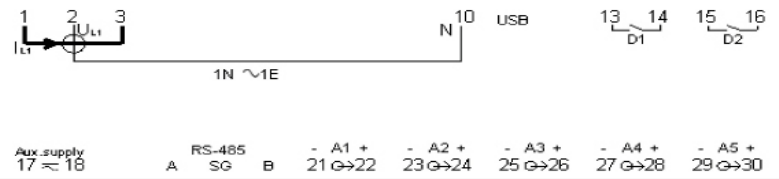


Model LTQ60

-00

1-phase
1 system

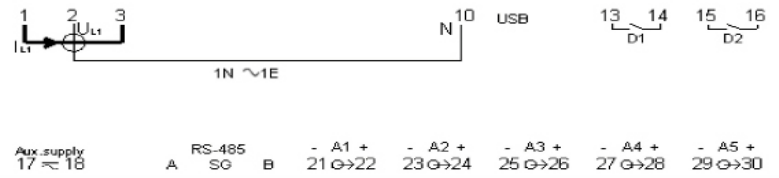
4-wire
3 phase symmetric load



-01

1-phase
1 system

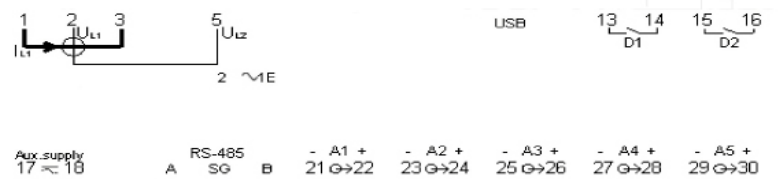
Single-phase AC



-02

1-phase
1 system

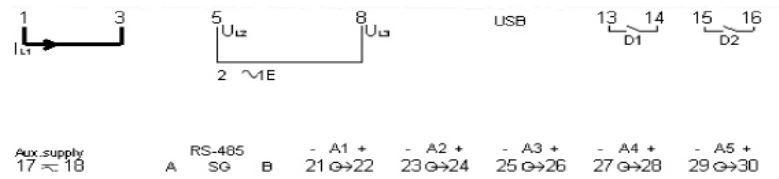
3 wire
3-phase symmetric load
phase-shift U12-I1



-03

1 phase
1 system

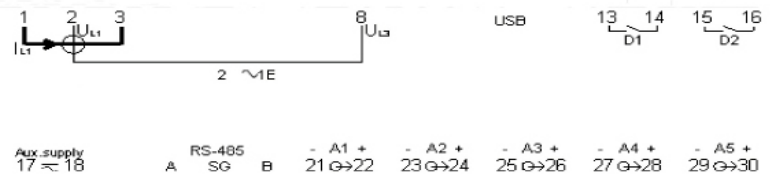
3 wire
3-phase symmetric load
phase-shift U23-I1



-04

1-phase
1 system

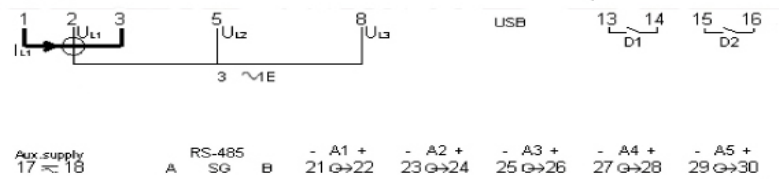
3 wire
3-phase symmetric load
phase-shift U31-I1



-05

3-phase
1 system

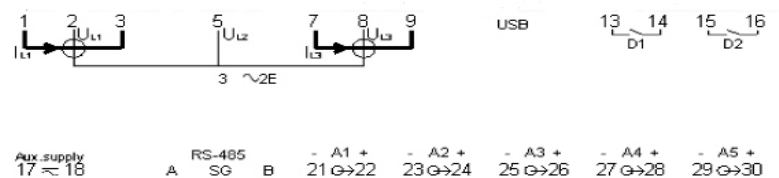
3-phase symmetric load



-09

3-phase
2 system

3 wire
3-phase asymmetrical load



-11

3-phase
3 system

4-wire
3-phase asymmetrical load

