

LQT400

CONFIGURABLE MULTI TRANSDUCER FOR ALL ELECTRICAL NETWORKS



LQT400 is a configurable multi transducer for all electrical networks. Any two measurable electrical quantities can be linked to the two analog outputs.

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

Model LQT400

Input	Voltage	
	Voltage range (Un)	100 – 400 V main voltage (nominal)
	Measuring range	3 – 500 V TRMS L-L 50/60 Hz, (5 - 500 V TRMS L-L 16 2/3 Hz)
	Configurable measuring range	0 - 500 V L-L / 0 - 300 V L-N
	Frequency	10...40...70...120 Hz, (10...15...18...120 Hz)
	Overload voltage	1.5 x Un – continuously, 2 x Un – 10 s
	Consumption	U x 1 mA / phase
	Current	
	Current (In)	1 – 5 A
	Measuring range	0,005 – 10 A TRMS
Configurable measuring range	0 - 10 A TRMS	
Overload current	2 x In continuously, 10 x In 15 s, 40 x In 1 s	
Consumption	<0.05 VA / phase	
Supply voltage		
Power supply	24 – 250 VDC, 80 – 250 VAC	
Burden	max 8 VA	
Measuring Quantity	U-main, U-phase, I, P, Q, S, F, PF, PA	
Output	Analog output	2
	Range	+/- 20 mA
	External resistance load	max 750 ohm (15 V)
	Response time	<100 msec
	Characteristic point	5
General data	Accuracy	0.2
	Galvanic isolation	Supply, in- and output are galvanically isolated
	USB	USB Mini-b for configuration
	Temperature	-10...+55 °C (operation), -40...+70 °C (storage) Temperature coefficient less than 0.1% / 10 °C
	Test voltage	4 kV AC / min
	Inputs	Overvoltage 300 V L-N cat. III
	Pollution degree	2
	Dimension (B x H x D)	70 x 132 x 137 mm – DIN-rail
	Weight	ca 0.5 kg
	Standards	SS-EN 60688 Transducers SS-EN 61010-1 Safety EN 61000-6-2 / -6-4 / -6-5
Order code	LQT400-210000 , 50/60 Hz, class 0.2 LQT400-210003 , 16 2/3 Hz, class 0.2	

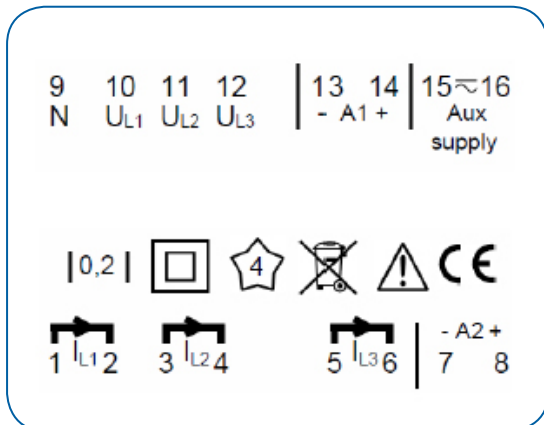


Model LQT400

Measuring Quantity

U-main, U-phase, I, P, Q, S, F, PF, PA

System-connection	Application	I1	I2	I3	N	U1	U2	U3	U12	U23	U31
-00	4wire, 3 phase symmetric load	X	-	-	X	X	-	-	-	-	-
-01	1 wire, 1 phase	X	-	-	X	X	-	-	-	-	-
-02	3 wire, 3 phase symmetric load	X	-	-	-	-	-	-	X	-	-
-03	3 wire, 3 phase symmetric load	X	-	-	-	-	-	-	-	X	-
-04	3 wire, 3 phase symmetric load	X	-	-	-	-	-	-	-	-	X
-05	3 wire, 3 phase symmetric load	X	-	-	-	X	X	X	X	X	X
-09	3 wire, 3 phase asymmetric load	X	-	X	-	X	X	X	X	X	X
-11	4 wire, 3 phase asymmetric load	X	X	X	X	X	X	X	X	X	X
-11	4 wire, 3 phase asymmetric load Open Delta	X	X	X	-	X	X	X	X	X	X



REVISION HISTORY	
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