



Data Sheet

RISH PFC 08L

Power Factor Controller
(Size 96 X 96 mm)



Measure



Control



Record



Analyze



Optimize

Overview

RISH PFC 08L is an intelligent power factor controller for reactive power compensation. It has 4/ 6 / 8 control outputs with LED Display for target PF.

Product Features

Suitable for Inductive Reactive power compensation

Minimum user intervention by Auto CT polarity correction, Auto bank value detection, Connected bank count, makes device plug and play

Versatile capacitor bank input methods

1. Direct capacitor bank value
2. Control series
3. Auto capacitor bank value detection

Low voltage, high voltage, undercurrent fault detection and capacitor protection.

Intelligent bank algorithm for optimum bank switching

4 / 6 / 8 relay configuration

Auto number of bank detection and blocking of non connected banks

Minimum system settings in auto mode

User configurable connection ,disconnection, discharge timings

Display

3 digit 7 Segment display (digit height 14mm)

System parameters displayed

Real-time cos phi



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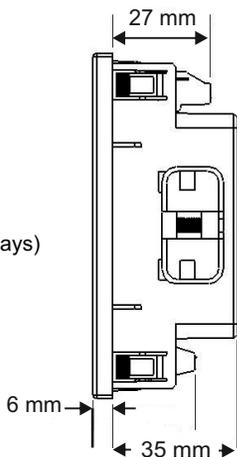
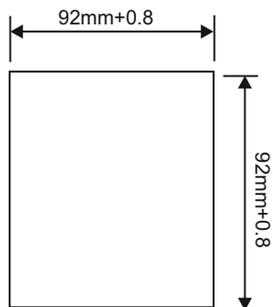
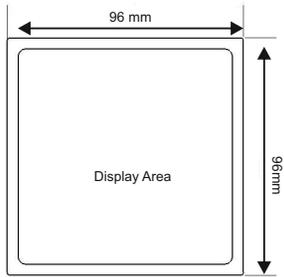


Analyze

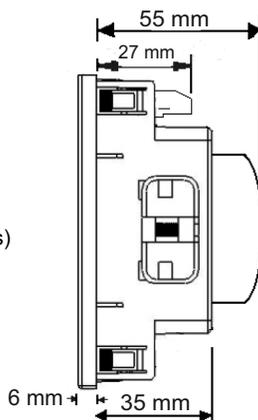


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Dimensions Details:



Type A
(4 / 6 Relays)



Type B
(8 Relays)

Technical Specifications:

Weight 0.25 kg
 Case Panel-mounted instrument
 96 × 96 × 35 mm
 (Back Depth 55mm with add on bank module)
 (cut out 92^{+0.8} × 92^{+0.8} mm)

Ambient conditions:

Over-voltage class III
 Pollution degree 2
 Operating temperature 0 ... +55 °C
 Storage temperature 0 ... +60 °C
 Sensitivity to EMC IEC 61326-1:2012, Table 2
 Safety guidelines IEC 61010-1:2010
 Mounting position Flush Mounting
 Humidity class 15% ... 95% non-condensing

Protection class:

Front plate IP50 to IEC60529
 Rear side IP20 to IEC60529

Operation:

Auxiliary Supply voltage 80 VAC – 300 VAC
 Auxiliary Supply frequency 50-60 Hz
 Target cos phi Fixed to 0.99 Inductive
 Connection and disconnection times 5...999 seconds
 Discharge Time 10...999 seconds
 Control modes Self-optimized intelligent control mode

Measurement:

Measurement voltage range 80 VAC – 300 VAC, 240 V nominal
 Fundamental frequency 50-60 Hz
 Measurement current (CT) 1A / 5A
 Minimum operating current 10 mA
 Maximum current 6 A (sinusoidal)
 Accuracy Power Factor ± 2 °

Switching outputs (Relay outputs):

Number of outputs 4 / 6 / 8 steps (To be specified while ordering)
 Switching voltage/Power Max. 250 VAC / 1000W



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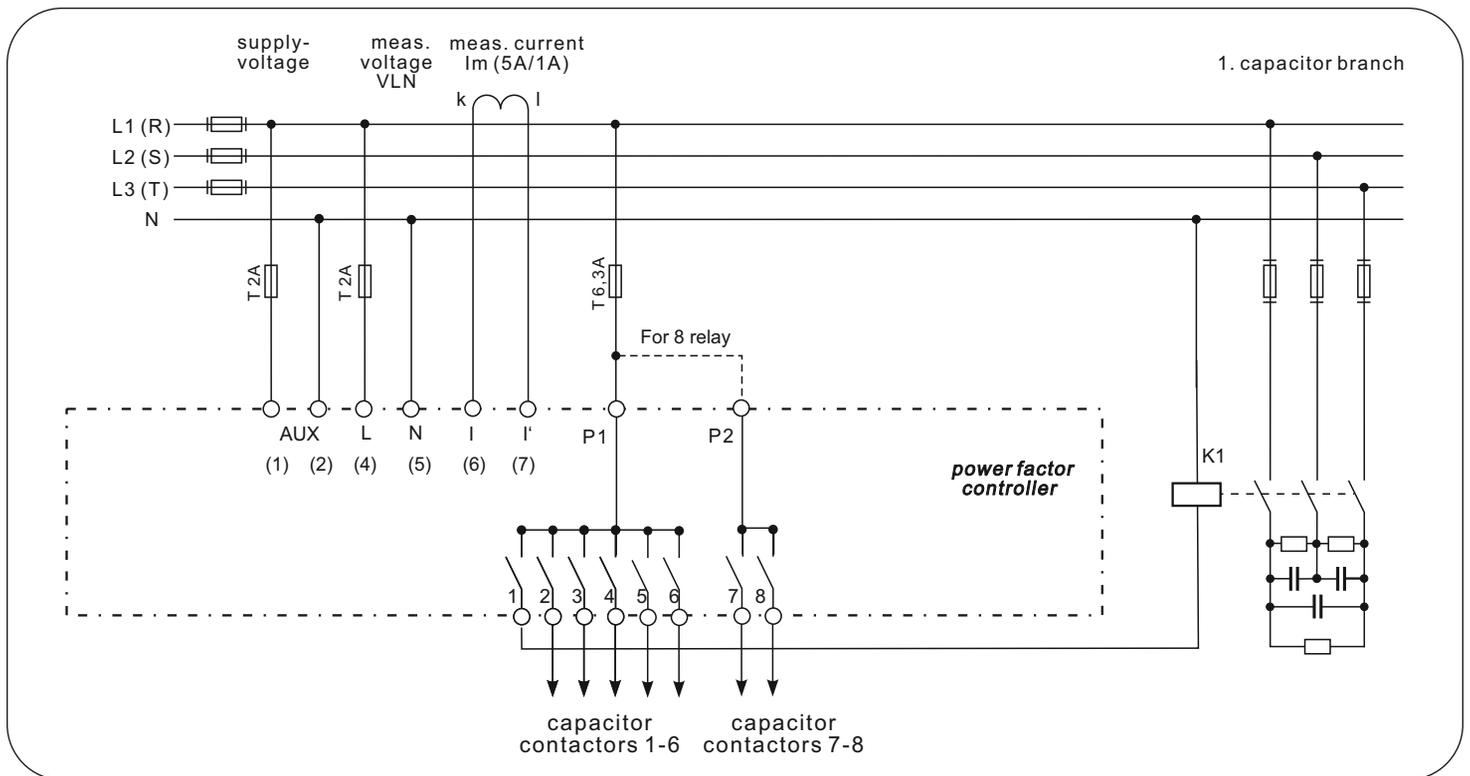


Analyze



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Electrical Connection



Ordering Information

Ordering Information	PF40-	A	2	L	X	ZZZ0000RI
Size	96X96					
Input Voltage	80-300VAC, 50Hz					
Aux Voltage	80-300VAC					
Relay Output	4 Relay Output				4	
	6 Relay Output				6	
	8 Relay Output				8	

Order Code Example : PF40-A2L8ZZZ0000RI

RISH PFC 08L - LED Display, Size 96X96 with 8 Relay



Measure



Control



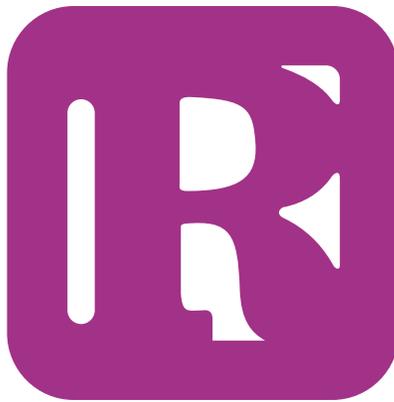
Record



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Specifications may change without prior notice



Measure



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