

LUMEL - RPL1 POWER CONTROLLER

RPL113100E0

LUMEL RPL1 PWR CONT (PH) 70A 230VAC

- For power control of resistive and resistive-inductive load
- Amplification of input control signal (SPAN)
- Overload protection
- Control of 3-phase load



PRODUCT DESCRIPTION

The area of RPL1 application includes:

- electric furnaces and drying structures, especially industrial furnaces and tunnel cap, furnaces for annealing and brazing, and foundry crucible furnaces, drying ovens, furnaces with quenching in salt baths
- mechanical engineering equipment, aggregates and extruders for plastics processing, winding machines and tempering springs, spot welding and linear
- production of glass and glazing, plant and equipment for drying in the infrared and ultraviolet, vats for melting glass and heating trays for forming glass furnaces
- chemical and petroleum industry; radiators lining piping, wiring warming

Features:

- For power control of resistive and resistive load (transformer connected to resistive load or to rectifier circuit)
- Control mode: on/off (similar to solid state relay), pulse, phase
- Amplification of input control signal (SPAN)
- Limitation of load current
- Overload protection
- Signalization of exceeding the maximum temperature of radiator
- Control of 3-phase load (requires two RPL1 controller units)

External dimensions:

135 x 201 x 199 mm

135 x 231 x 199 mm (execution with fan)

compatible with the category of operational use AC-51 acc. to EN 60947-4-3

TECHNICAL DATA

Dimensions	135 x 201 x 199 mm
Output	Maximal output current 70A
Supply voltage	195...230...253 V a.c.

Temperature operational max	40 °C
Temperature operational min	0 °C
Weight	4.5 kg

RE72

0...20mA/0...10V

RPL1

L1

N

RPL1 -		X	X	X	XX	X	X
Control:							
phase	1						
pulse / on/off	2						
Current range:							
maximal output current 25 A	1						
maximal output current 40 A	2						
maximal output current 70 A	3						
maximal output current 125 A*	4						
Load voltage:							
supply voltage - 195...230...253 V a.c.	1						
supply voltage - 340...400...440 V a.c.	2						
supply voltage - 425...500...550 V a.c.	3						
Version:							
standard						00	
custom-made**						XX	
Language:							
Polish							P
English							E
other**							X
Acceptance tests:							
without additional quality inspection requirements							0
with an extra quality inspection certificate							1
other requirements**							X

Connection only for phase control

Control 0...5 (10)V

L1 N S1 S2

LZ1

In-I GND In-U

LZ2

U1

U2

PE

Load

L1

N

PE

Connection only for phase control

Control 0...5 (10)V

L1 N S1 S2

LZ1

In-I GND In-U

LZ2

U1

U2

PE

Load

L2

L1

N

PE

RE72

0...20mA/0...10V

RPL1

L1

N

RPL1 -		X	X	X	XX	X	X
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