

# SSR LU SOLID-STATE RELAYS

## FEATURES:

on/off  
algorithm



- Contactless power connection.
- Output current up to 50 A.
- Impulse signal control.

## INPUT:



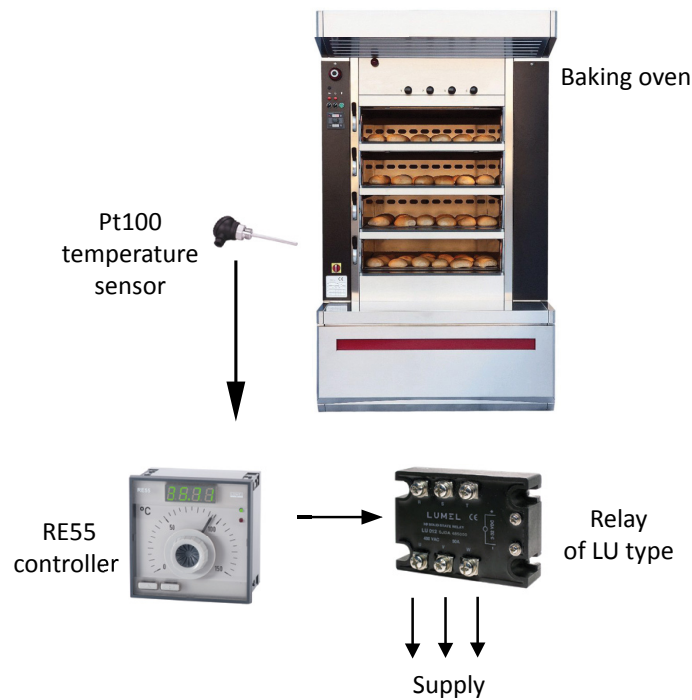
## OUTPUT:

SSR  
50 A

## GALVANIC ISOLATION:



## EXAMPLE OF APPLICATION



Temperature control in the baking oven.

### INPUT

Input type	Range
Impulse input	0/3 .. 32 V d.c.

### OUTPUTS

Type	Output type	Properties	Version code
LU001 JDA 244000	Contactless output	1-phase 40 A, 240 V	LH000-0981-400-012
LU DIN 30D 244000	Contactless output	1-phase 40 A with radiator, 240 V	LH000-0981-400-005
LU012 SJDA 485000	Contactless output	3-phase 3 x 50 A, 480 V	LH000-0981-400-010

### RATED OPERATING CONDITIONS

Supply voltage	24...240 V a.c. 47 .. 63 Hz - LU001 and LU DIN	50 .. 480 V a.c. 47 .. 63 Hz - LU012
Temperature	operating: -30...25...80°C	

### SAFETY AND COMPATIBILITY REQUIREMENTS

Electromagnetic compatibility	noise immunity	
	noise emissions	
Proof voltage	2500 V a.c.	
Application category	AC51 - LU001 and LU DIN	AC51, 52a, 53a - LU012

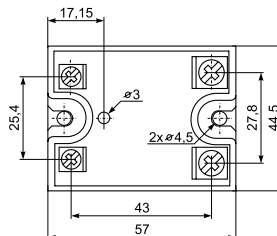
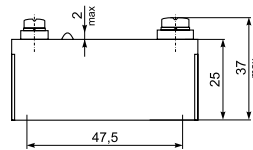
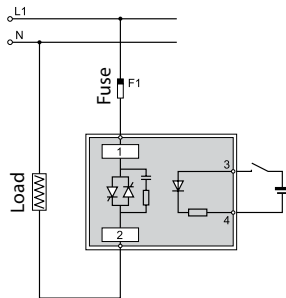
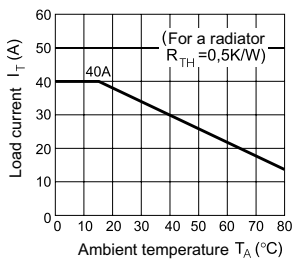
Export department:  
+48 68 45 75 139/276/386  
Fax: +48 68 32 54 091  
e-mail: export@lumel.com.pl

LUMEL S.A.  
ul. Sulechowska 1  
65-022 Zielona Góra  
POLAND  
[WWW.LUMEL.COM.PL](http://WWW.LUMEL.COM.PL)

CONNECTION DIAGRAMS

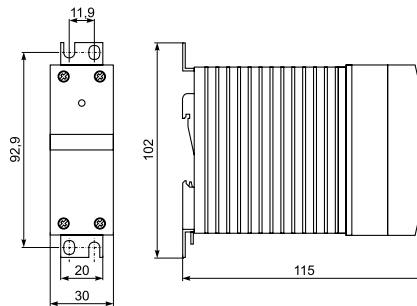
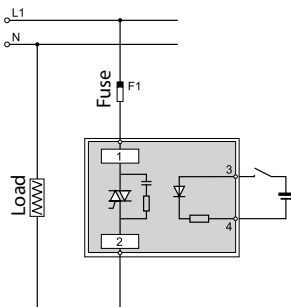
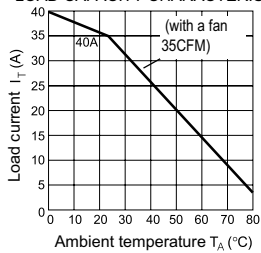
LU001 JDA 244000 (LH000-0981-400-012)

LOAD CAPACITY CHARACTERISTIC



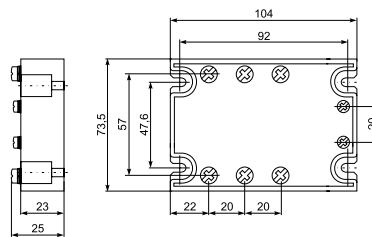
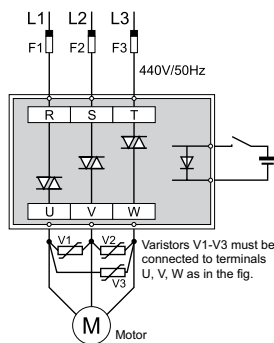
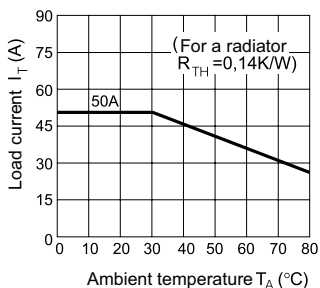
LU DIN 30D 244000 (LH000-0981-400-005)

LOAD CAPACITY CHARACTERISTIC



LU012 SJDA 485000 (LH000-0981-400-010)

LOAD CAPACITY CHARACTERISTIC



Carry out electrical connections using

- wires of following cross-sections:
- control circuit: 0.5... 2.5 mm<sup>2</sup>
- load circuit: 6... 16 mm<sup>2</sup>

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Export department:  
+48 68 45 75 139/276/386  
Fax: +48 68 32 54 091  
e-mail: [export@lumel.com.pl](mailto:export@lumel.com.pl)

LUMEL S.A.  
ul. Sulechowska 1  
65-022 Zielona Góra  
POLAND  
[WWW.LUMEL.COM.PL](http://WWW.LUMEL.COM.PL)