# **Features**

- suitable for energy-saving lamps, dimmable LED lamps / drivers and low voltage halogen lamps with magnetic transformers
- with pressure two-way switch and thermal link

# **Dimmer**

• Over Temperature Protected

### Description

The REDIM series offer dimmers that reliably operate with base loads from 7W. These dimmers and the RACT20 series LED drivers are ideally matched and provide a smooth dimming curve and deep dimming down to zero. The basic light level can be adjusted individually and easily for a customized lighting solution. The warranty is 5 years.

Selection Guide		
Part Number	NOT RECOMMENDED	Output Power [W/VA]
REDIM07	FOR 198-264	7-110
REDIM20	NEW DECICKIC	20-250
	INEAN DESIGNS	

### **Specifications** (measured @ ta= 25°C, nominal input voltage, rated load)

PROTECTION		
Parameter	Туре	Value
Over Temperature Protection (OTP)		115°C, thermal shutdown
Input Fues (1)	REDIM07	1A, slow blow
Input Fuse (1)	REDIM20	2A, slow blow
·		

Notes:

Note1: Each dimmer contains a spare fuse inside the black protective cover.

ENVIRONMENTAL		
Parameter	Condition	Value
Operating Temperature Range	with derating	-20°C to +80C, Ambient
Max. Case Temperature		+80°C
Derating Graph	100 80 80 100 Ambient Temperature [°C]	

SAFETY AND CERTIFICATIONS		
Certificate Type (compliant)	Standard	
Switches for household and similar fixed-electrical installations - General requirements	EN-60669-1:2008	
Switches for household and similar fixed electrical installations - Particular requirements	EN-60669-2-1:2010	



# **REDIM**

# Leadingedge Dimmer











EN60669-1 compliant EN60669-2-1 compliant

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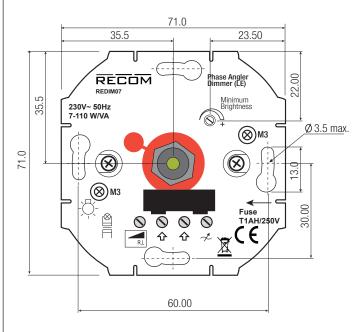
# **REDIM**

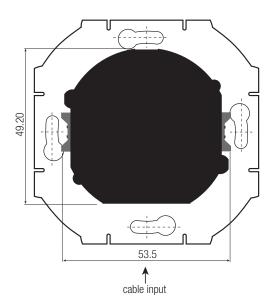
# **Series**

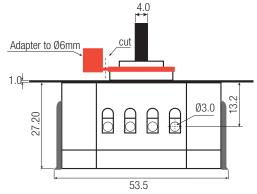
### Specifications (measured @ ta= 25°C, nominal input voltage, rated load)

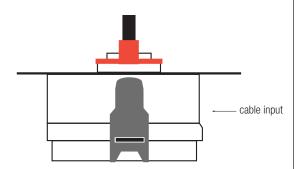
DIMENSION and PHYSICAL CHARACTERISTICS		
Parameter	Туре	Value
Material	Case	Plastic
Package Dimension (LxWxH)		71.0 x 71.0 x 35mm
Package Weight		70g
Connection	Input	Screw Terinal (1.5-2.5mm²)
	Output	Screw Terinal (1.5-2.5mm²)

### Dimension Drawing (mm)









### **Connection via Screw Terminal**

#	Function	Wire Diameter	AWG_
1	VAC in (L)	1.5mm <sup>2</sup> - 2.5mm <sup>2</sup>	18-16
2	VAC in (N)	1.5mm <sup>2</sup> - 2.5mm <sup>2</sup>	18-16
3	FG	1.5mm <sup>2</sup> - 2.5mm <sup>2</sup>	18-16
4	LED+	1.5mm <sup>2</sup> - 2.5mm <sup>2</sup>	18-16
5	LED-	1.5mm <sup>2</sup> - 2.5mm <sup>2</sup>	18-16

wire stripping length: 7-8mm

recommended tightening torque: 0.4Nm

Tolerance:  $\pm 0.5$ mm



# **REDIM**

## **Series**

### Specifications (measured @ ta= 25°C, nominal input voltage, rated load)

# REDIMO7 - max. 5x RACT20 REDIM20 - max. 12x RACT20 Rebim20 - max. 12x RACT20 Notes: Notes: Notes: To set the basic brightness, set the actuating button to the left stop minimum brightness). Now use a screw driver to set the desired basic brightness

Note2: To set the basic brightness, set the actuating button to the left stop minimum brightness). Now use a screw driver to set the desired basic brightness on the potentiometer. Persuant to EN60699-2-1 the basic value should be set in such a way that the light visibly glows over the entire load range (at nominal voltage -10%) when it's set to dark position.

Note3: Dimmer designed for RACT20.

PACKAGING INFORMATION		
Parameter	Туре	Value
Packaging Dimension (LxWxH)	Cardboard Box	280.0 xx 152.0 x 76.0mm
Packaging Quantity		10 pcs

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