

## ELP020C0700LSD1

LED power supply for 700 mA constant current  
17...29 Vdc, 12...20 W, IP20, independent installation  
TRIAC (leading & trailing edge) dimmable



## Electrical data

<b>input voltage (nominal)</b>	220...240 Vac	
<b>input voltage (range)</b>	198...264 Vac	
<b>Mains frequency</b>	50/60 Hz	
<b>Power factor (<math>\lambda</math>)</b>	$\geq 0.9$	220...240 Vac
<b>Input current</b>	0.16 A	
<b>No-load loss</b>	$\leq 1$ W	
<b>Inrush current</b>	15 A	Full Load, 240 Vac
<b>Leakage current</b>	$< 0.5$ mA	240 Vac
<b>Output voltage</b>	17...29 Vdc	
<b>Output current</b>	700 mA	
<b>Output power (nominal)</b>	12...20 W	
<b>Efficiency</b>	$\geq 83$ %	
<b>Life time</b>	$> 30000$ h	50 °C
<b>Dimmable</b>	Yes	
<b>Dimming mode</b>	Triac (leading & trailing edge)	
<b>Dimming range</b>	10...100 %	

## Operating condition

<b>Operating temperature range (<math>t_a</math>)</b>	-10...+50 °C	
<b>Max. Surface temperature (<math>t_c</math>)</b>	80 °C	
<b>Permitted rel. humidity during operation</b>	10...90 %	
<b>Protection class</b>	II	
<b>Type of protection</b>	IP20	

## Protection

<b>Short circuit protection</b>	Yes *	
<b>Overload protection</b>	Yes *	105...120 %
<b>Overvoltage protection</b>	Yes *	$> 38$ Vdc
<b>Overheating protection</b>	Yes *	

(\*) The output shut off and will be resumed after problem is removed and led driver is restarted.

## Standards & Certificates

<b>Standards (LVD)</b>	EN 61347-1, EN 61347-2-13
<b>Standards (EMC)</b>	EN 61000-3-2, EN 61000-3-3 EN 61000-4-2, EN 61000-4-5 EN 55015, EN 61547
<b>Approval marks</b>	CE, SEMKO (Intertek)
<b>RoHS compliant</b>	Yes

## Dimension & Installation

<b>Type of connection</b>	Screw terminal
<b>Cable cross-section, input side</b>	0.75...1.5 mm <sup>2</sup>
<b>Cable cross-section, output side</b>	0.75...1.5 mm <sup>2</sup>
<b>Cable preparation length, input side</b>	6...8 mm
<b>Cable preparation length, output side</b>	6...8 mm

