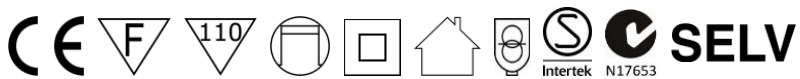


## ELP020C0500LS

LED power supply for 500 mA constant current  
20...40 Vdc, 10...20 W, IP20, independent installation, non-dimmable



## Electrical data

<b>input voltage (nominal)</b>	100...240 Vac
<b>input voltage (range)</b>	90...264 Vac
<b>Mains frequency</b>	50/60 Hz
<b>Power factor (<math>\lambda</math>)</b>	> 0.9
<b>Input current</b>	0.3 A
<b>No-load loss</b>	$\leq$ 0.3 W
<b>Inrush current</b>	10 A <span style="float: right;">230 Vac</span>
<b>Leakage current</b>	< 0.5 mA
<b>Output voltage</b>	20...40 Vdc
<b>Output current</b>	500 mA
<b>Output power (nominal)</b>	10...20 W
<b>Efficiency</b>	$\geq$ 84 %
<b>Life time</b>	> 30000 h <span style="float: right;">25 °C</span>
<b>Dimmable</b>	No

## Operating condition

<b>Operating temperature range (<math>t_a</math>)</b>	-5...+50 °C
<b>Max. Surface temperature (<math>t_c</math>)</b>	85 °C
<b>Permitted rel. humidity during operation</b>	10...95 %
<b>Protection class</b>	II
<b>Type of protection</b>	IP20

## Protection

<b>Short circuit protection</b>	Yes *
<b>Overload protection</b>	Yes *
<b>Overvoltage protection</b>	Yes *
<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 EN 60598-1, EN60598-2-6
<b>Standards (EMC)</b>	EN 61000-3-2, EN 61000-3-3 EN 55015, EN 61547
<b>Approval marks</b>	CE, SEMKO (Intertek)
<b>RoHS compliant</b>	Yes

## Dimension & Installation

<b>Type of installation</b>	Independent 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

