

## EIP020V0120USS

LED power supply for 12 Vdc constant voltage

1.67 A (20 W) max., IP20, independent installation, non-dimmable



## Electrical data

<b>Input voltage (nominal)</b>	220...240 Vac	
<b>Input voltage (range)</b>	176...264 Vac	
<b>Mains frequency</b>	50/60 Hz	
<b>Power factor (<math>\lambda</math>)</b>	0.5 $\pm$ 0.05	220...240 Vac
<b>Input current</b>	0.3 A	Full Load, 176 Vac
<b>No-load loss</b>	$\leq$ 0.3 W	
<b>Inrush current</b>	20 A	
<b>Leakage current</b>	< 0.5 mA	240 Vac
<b>Output voltage</b>	12 Vdc	
<b>Output current</b>	0...1.67 A	
<b>Output power (nominal)</b>	0...20 W	
<b>Efficiency</b>	$\geq$ 85 %	
<b>Life time</b>	> 30000 h	45 °C
<b>Dimmable</b>	No	

## Operating condition

<b>Operating temperature range (ta)</b>	-10...+45 °C
<b>Max. Surface temperature (tc)</b>	80 °C
<b>Permitted rel. humidity during operation</b>	20...95 %
<b>Protection class</b>	II
<b>Type of protection</b>	IP20

## Protection

<b>Short circuit protection</b>	Yes *	
<b>Overload protection</b>	Yes *	105...150 %
<b>Overvoltage protection</b>	Yes *	> 12.6 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
<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

