

LOXONE

Datasheet

Part No: 200002

About the product

Electrical Specifications

Nominal voltage AC	85 ... 264VAC, 47 ... 63Hz
Nominal voltage DC	120 ... 370VDC, 47 ... 63Hz
Input current 115VAC / 230VAC	0.9A / 0.5A
Inrush current 115VAC / 230VAC	25A / 45A
Efficiency	typ. 88%
Leakage Current 264VAC	max. 0.25mA RMS
Output voltage	24VDC
Output voltage (adjustable range)*	21.6 ... 29.0VDC
Output current / power	1.5A / 36W
Output voltage accuracy (0%-100% load)	typ. +/- 2%
Line regulation (rated load)	typ. +/- 0.5%
Line regulation (230VAC)	typ. +/- 1.5%
Output ripple & noise (20MHz bandwidth)	max. 150mV
Temperature coefficient	typ. +/- 0.02 % / °C
Standby power consumption	0.35W
Over-current protection	≥ 120% Io, self-recovery
Over-voltage protection	≤ 35V
Start-up time	max. 3 sec
Hold-up Time 230VAC	typ. 60ms
Isolation (input-output leakage current < 5mA for 1Min.)	min. 4000VAC
Operating temperature	-40°C ~ +70°C
Storage temperature	-40°C ~ +85°C

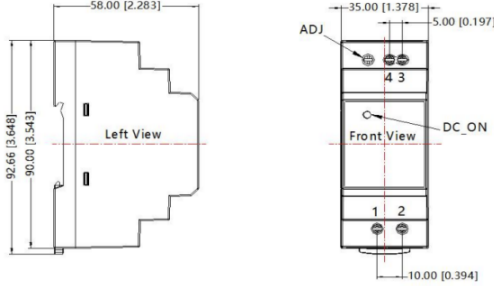
Storage humidity	max. 95% RH
Altitude	max. 2000m
Switching frequency	typ. 65kHz
Power derating (-40°C to -30°C)	min. 5 % / °C
Power derating (+50°C to +70°C)	min. 2.5 % / °C
Power derating (85VAC - 100VAC)	min. 1.0 % / VAC
MTBF	MIL-HDBK-217F@25°C > 300,000h

Product Characteristics

Mounting type	DIN rail according to TS35X7.5 / TS35X15
Colours	Black
Finish	Matte
Case material	Plastic, heat-resistant (UL94V-0)

Weight & Dimensions

Product dimensions	92.66x35x58mm / 3.648x1.378x2.283" (LxWxH)
Cooling Method	Free air convection

Product dimensions drawing	 <p>The drawing includes two views: a 'Left View' showing a height of 92.66 mm (3.648 inches) and a width of 58.00 mm (2.283 inches); and a 'Front View' showing a width of 35.00 mm (1.378 inches) and a height of 10.00 mm (0.394 inches). The front view also shows an adjustable potentiometer (ADJ) and a DC_ON terminal.</p> <table border="1" data-bbox="1189 1400 1364 1556"> <thead> <tr> <th colspan="2">Pin-Out</th> </tr> <tr> <th>Pin</th> <th>LI30-20B</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>AC(N)</td> </tr> <tr> <td>2</td> <td>AC(L)</td> </tr> <tr> <td>3</td> <td>-Vo</td> </tr> <tr> <td>4</td> <td>+Vo</td> </tr> </tbody> </table> <p>Note: Unit: mm[inch] ADJ: adjustable resistance to change output voltage Wire range: 24-12 AWG Tightening torque: Max 0.4 N·m Mounting rail: TS35 General tolerances: ±1.00[±0.039]</p>	Pin-Out		Pin	LI30-20B	1	AC(N)	2	AC(L)	3	-Vo	4	+Vo
Pin-Out													
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2	AC(L)												
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4	+Vo												

Installation must be carried out by a qualified electrician in accordance with the relevant regulations.

Published by

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Datenblatt

Part No: 200002

Über das Produkt

Elektrische Spezifikationen

Nennspannung AC	85 ... 264VAC, 47 ... 63Hz
Nennspannung DC	120 ... 370VDC, 47 ... 63Hz
Eingangsstrom 115VAC / 230VAC	0.9A / 0.5A
Einschaltstrom 115VAC / 230VAC	25A / 45A
Wirkungsgrad	typ. 88%
Ableitstrom 264VAC	max. 0.25mA RMS
Nennspannung	24VDC
Ausgangsspannung (einstellbarer Bereich)	21.6 ... 29.0VDC
Ausgangsstrom / Leistung	1.5A / 36W
Genauigkeit der Ausgangsspannung (0%- 100% Last)	typ. +/- 2%
Leistungsregelung (Nennlast)	typ. +/- 0.5%
Leistungsregelung (230VAC)	typ. +/- 1.5%
Ausgangswelligkeit und Rauschen (20MHz-Bandbreite)	max. 150mV
Temperaturkoeffizient	typ. +/- 0.02 % /°C
Stromverbrauch im Standby-Betrieb	0.35W
Überstromschutz	≥ 120 % I _o , Selbstwiederherstellung
Überspannungsschutz	≤ 35V
Anlaufzeit	max. 3 sek
Überbrückungszeit 230VAC	typ. 60ms

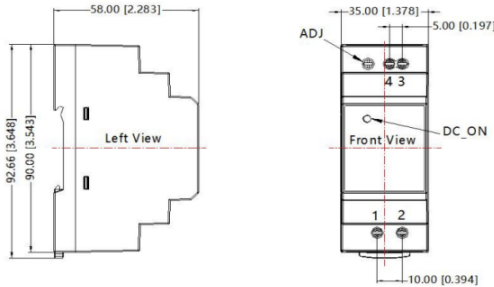
Isolierung (Eingangs- Ausgangs Ableitstrom < 5mA für 1Min.)	min. 4000VAC
Betriebstemperatur	-40°C ~ +70°C
Lagertemperatur	-40°C ~ +85°C
Luftfeuchtigkeit bei Lagerung	max. 95% RH
Betriebshöhe	max. 2000m
Schaltfrequenz	typ. 65kHz
Leistungsreduzierung (-40°C to -30°C)	min. 5 % / °C
Leistungsreduzierung (+50°C to +70°C)	min. 2.5 % / °C
Leistungsreduzierung (85VAC - 100VAC)	min. 1.0 % / VAC
MTBF	MIL-HDBK-217F@25°C > 300.000 Std.

Produkteigenschaften

Montageart	Hutschiene nach TS35X7,5 / TS35X15
Farbe	Schwarz
Glanzgrad	Matt
Gehäusematerial	Kunststoff, hitzebeständig (UL94V-0)

Gewicht & Abmessungen

Produktmaße	92.66x35x58mm / 3.648x1.378x2.283" (LxBxH)
Kühlmethode	Freie Luftkonvektion

Produktmaßzeichnung	 <table border="1" data-bbox="1193 1702 1364 1854"> <thead> <tr> <th colspan="2">Pin-Out</th> </tr> <tr> <th>Pin</th> <th>LI30-20B</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>AC(N)</td> </tr> <tr> <td>2</td> <td>AC(L)</td> </tr> <tr> <td>3</td> <td>-Vo</td> </tr> <tr> <td>4</td> <td>+Vo</td> </tr> </tbody> </table> <p data-bbox="1177 1892 1444 2038"> Note: Unit: mm[inch] ADJ: adjustable resistance to change output voltage Wire range: 24-12 AWG Tightening torque: Max 0.4 N·m Mounting rail: TS35 General tolerances: ±1.00[±0.039] </p>	Pin-Out		Pin	LI30-20B	1	AC(N)	2	AC(L)	3	-Vo	4	+Vo
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Die Installation muss von einer qualifizierten Elektrofachkraft gemäß den einschlägigen Vorschriften durchgeführt werden.

Veröffentlicht von

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