product data sheet

item no. 81.000.6134.0

switched-mode power supply WIPOS P1 48-5

wipos switched-mode power supply, nominal voltage: 48 V DC / 5A (setting range 47-56 V DC), sustained short-circuit protection, input voltage range: 115 V AC / 230 V AC, 210-370 V DC, single phase, W x H x D: 83 × 123,6 × 123,6 mm



item no.	81.000.6134.0
EAN	4049088106125
order unit	1 piece(s)

certificates / approvals

technical data

general

connection type	screw connection
number of phases	single phase power supply
suitable for modular version	yes
mounting type, other	no
mounting type, wall mounting	no
rail mounting possible	yes
housing material	metal
operating temperature min.	-40 °C
operating temperature max.	71 °C
relative humidity min.	20 %
relative humidity max.	95 %
storage temperature / transport min.	85 °C
storage temperature / transport max.	-40 °C
degree of protection (IP)	IP20
parallel-service possible	yes
number of parallel switchable device	3

technical data

function display	"DC OK" (LED green) (U(o) 17.6...19.4V)
function display "DC Low"	"DC Low" (LED red)
short-circuit protective device	current limitation (fold forward)
temperature coefficient	±0,03%/K
ripple and noise	< 0.1 V
hold time 115V AC	> 25 ms
hold time 230V AC	> 30 ms

isolating voltage Output DC	4242 V
cohesive resistance (In-/Output)	100 MOhm
derating	61°C...71°C: 2.5 %/K
cooling	free convection
MTBF	423,000h
connector cross section (input	min. 0.5mm² (AWG24)max. 6mm² (AWG10)
connector cross section (output)	min. 0.5mm² (AWG24)max. 6mm² (AWG10)
wire strip length	8 mm
permissible torque max.	0.6 Nm
CE-Norm	EN55022 & EN61000-6-3, EN61000-3-2,EN61000-3-3, EN55024 & EN61000-6-2,EN61000-4-2, EN61000-4-3, EN61000-4-4,EN61000-4-5, EN61000-4-6, EN61000-4-8,EN61000-4-11, EN60204-1, EN61204-3
TÜV/safety	EN60950-1, EN61558-1, EN61558-2-16(comply with EN60204) , IRAM
approval UL	UL 508 Listed, UL60950-1 Recognized
number of +	2
number of -	2
further terminals	L1, N, PE, NC (not used)

output

type of output voltage	DC
power output	480 W
output voltage stabilized	yes
output voltage	48 V
min. output voltage	47 V
max. output voltage	56 V
min. output voltage	47 V
max. output voltage	56 V
output current	5 A

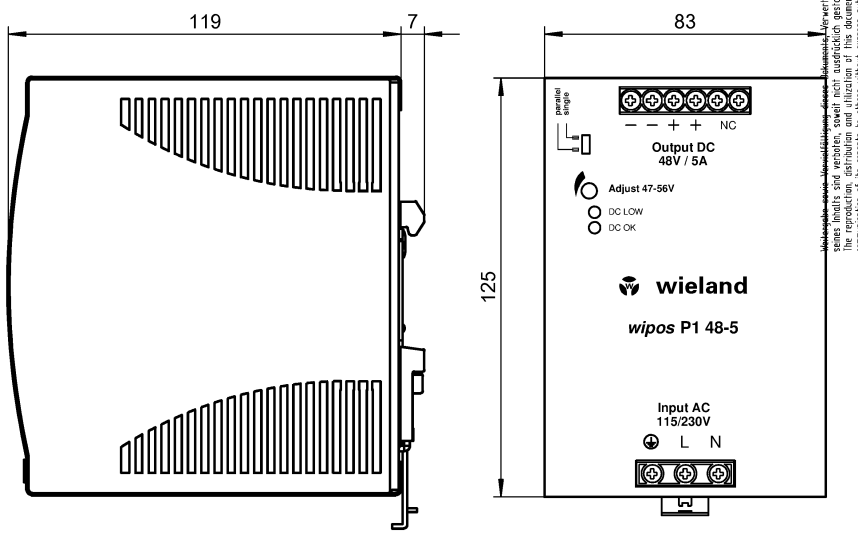
input

type of voltage (input voltage)	
primary voltage range	90 V
min. input voltage	90 V
max. input voltage	264 V
rated frequency min.	47 Hz
rated frequency max.	63 Hz
input fuse	T6.3A / 250V (internal)

dimensions

depth	123.6 mm
width	83 mm
height	123.6 mm
mounting distance horizontal	25 mm
mounting distance vertical	25 mm
weight	1.3 kg

technical drawing



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ja/yes ☒ Stoffverbots- und Deklarationsliste nach WN 5020.010 ist einzuhalten.
Conformity with Wieland document WN 5020.010 e (list of prohibited / declarable hazardous substances) to be declared!

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	geprüft checked		
	Normgepr. Stand. check		

Zeichnung Nr./ Drawing No.
81.000.6134.0 01K
Maße in mm/Dimensions are in mm

Datei/ File: 033801__01K.DCD
Ersatz für/ Replacement for:

Index | Datum/ Blatt Date/ Sheet
Änderung/ Revision

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Type

Benennung/ Title
Teilespezifikation /
Component specification
Schaltnetzteil / Switching Power Supply
wipos P1 48 VDC / 5 A 1PH

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