product data sheet

item no. 81.000.6342.0

switched-mode power supply WIPOS PB1 12-4.5

wipos switched-mode power supply, nominal voltage: 12 V DC / 4,5 A, (setting range 12-14 V DC) sustained short-circuit protection, input voltage range: 90-264 V AC / 120-375 V DC, single phase, DIN rail mounted device 4 mod.



item no.	81.000.6342.0
EAN	4049088106187
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	plastic
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
pollution degree	2
parallel-service possible	no

technical data

function display	DC OK LED grün (U(o) 9...10.8V)
function display "DC Low"	DC LOW LED rot (U(o) < 9...10.8V)
short-circuit protective device	current limitation (fold forward)
temperature coefficient	±0,03%/K
ripple and noise	< 0.05 kV
hold time 115V AC	> 12 ms
hold time 230V AC	> 60 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	582,000h
connector cross section (input	min. 0.5mm² (AWG24), max. 2.5mm² (AWG12)
connector cross section (output)	min. 0.5mm² (AWG24), max. 2.5mm² (AWG12)
wire strip length	7 mm
permissible torque max.	0.6 Nm
control "Adj"	trimming potentiometer for fine-tuning of U(out)
CE-Norm	EN61000-6-3, EN 55022 Class B,EN61000-3-2, EN61000-3-3, EN61000-6-2,EN55024, EN61000-4-2, Level 4,EN61000-4-3 Level 3, EN61000-4-4 Level 4,EN61000-4-5 L-N Level 3, L/N-FG Level 4,EN61000-4-6 Level 3, EN61000-4-8 Level 4,EN61000-4-11, ENV 50204 Level 2,EN61204-3
approval UL	UL 508 Listed, UL60950-1 Recognized
number of +	2
number of -	2
further terminals	L, N

output

type of output voltage	DC
power output	54 W
output voltage stabilized	yes
output voltage	12 V
min. output voltage	12 V
max. output voltage	14 V
min. output voltage	12 V
max. output voltage	14 V
output current	4.5 A

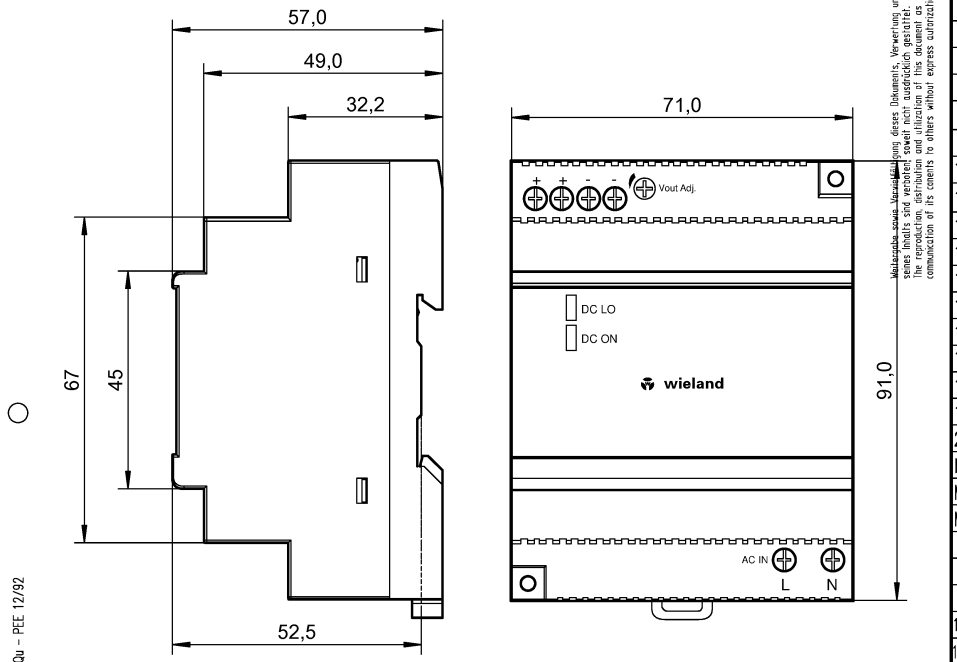
input

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
max. starting current	60 A
input fuse	T2A / 250V (internal)
input protection	varistor (voltage-sensitive resistor)

dimensions

depth	56.5 mm
width	71 mm
height	91 mm
mounting distance horizontal	25 mm
mounting distance vertical	25 mm
weight	250 g

technical drawing



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Teile-Nr. / Part-No.	Typ / Type
81.000.6330.0	wipos PB1 24-2,5
81.000.6342.0	wipos PB1 12-4,5

Weitere Angaben siehe KATALOG oder eKatalog. Additional data see CATALOG or eCatalog.
www.wieland-electric.com
eshop.wieland-electric.com

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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	Normgepr. Stand. check		

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Type
Benennung/ Title: Teilespezifikation / Component specification
Schaltnetzteil / Switching Power Supply

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