



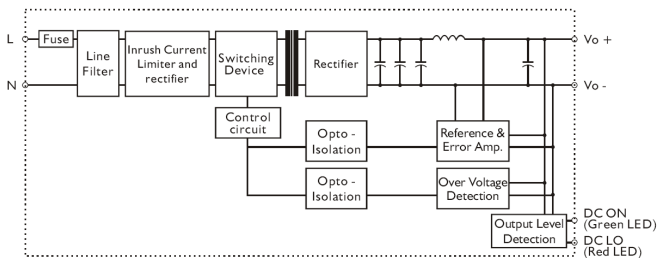
wipos PB1 24-0.42

Switching power supply

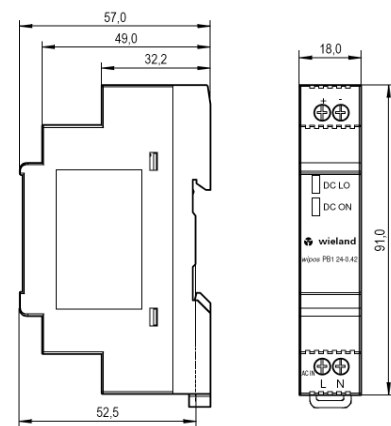
24 V DC / 0.42 A

81.000.6300.0

- Primary switching power supply, single phase
- Output: 24 V DC / 0.42 A
- Short circuit proof
- Input: 100 - 240 V AC; 120 - 375 V DC
- Full load up to 60°C
- DIN rail mounted device



Block diagram



Dimensional diagram

Technical Data

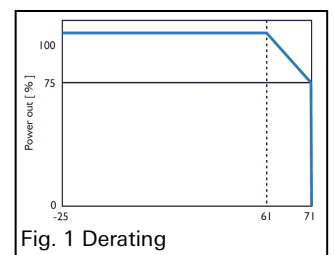
[illegible]

Fig. 1 Derating

wipos PB1 24-0.42

Technical Data

wipos PB1 24-0.42		Part number: 81.000.6300.0	
Rated input voltage AC	[U _{IN AC}]	100 - 240 V AC	
Line frequency AC		47 – 63 Hz	
Power factor correction filter (PFC)		not necessary	
Input voltage range AC	[U _{I AC}]	90 ... 264 V AC	
Input voltage range DC	[U _{I DC}]	120 ... 375 V DC	
Rated input current (U _{I AC} = 115 V, I _{ON})		0.2 A typ. / 0.3 A max.	
Inrush current (U _I = 115 V / 230 V AC, I _{ON})		max. 15 A / max. 30 A	
Input fuse		T 1A / 250 V AC (internal)	
Hold up time (U _I = 115 V / 230 V AC, I _{ON})		> 20 ms / > 100 ms	
Input surge voltage protection		Varistor	
Isolation voltage (input / output)		3000 V AC / 4242 V DC	
Isolation resistance (input / output)		100 MOhm	
Switching frequency min. / max.		80 kHz / 90 kHz	
Ventilation / Cooling		Free air convection	
Mounting conditions (free space)		25 mm in all directions	
Pollution degree		2	
Operating ambient temperature	[T _U]	-25 °C . . . +71 °C	
Humidity in operation		20 – 95 % RH	
Storage temperature	[T _U]	-25 °C . . . +85 °C	
Mounting on		DIN rail 35 mm (EN 60715)	
Degree of protection		IP 20	
MTBF		868000 h	
Dimensions (W x H x D)		18 x 91 x 57 mm	
Weight		ca. 0.065 kg	
Housing material		Plastic	
Connector cross section			
cross section min.	solid/stranded	0.2 mm ²	(AWG26)
cross section max.	solid/stranded	2.5 mm ²	(AWG12)
Strip length		4-5 mm	
Torque		0.56 Nm max.	
Approvals and standards			
UL / cULus		UL 508 Listed, UL60950-1 Recognized	
CE		EN61000-6-3, EN 55022 Class B, EN61000-3-2, EN61000-3-3, EN61000-6-2, EN55024, EN61000-4-2, Level 3, EN61000-4-3 Level 3, EN61000-4-4 Level 4, EN61000-4-5 L-N Level 3, EN61000-4-6 Level 3, EN61000-4-8 Level 4, EN61000-4-11, ENV50204 Level 2, EN60204-1, EN61204-3	
Terminal connections			
-		Output voltage 24 V DC, negative output	
+		Output voltage 24 V DC, positive output	
L		AC: phase conductor, DC: no polarity	
N		AC: neutral conductor, DC: no polarity	