



## wipos PB1 24-4.2

### Technical Data

wipos PB1 24-4.2		Part number: 81.000.6340.0	
Rated input voltage AC	[U <sub>IN AC</sub> ]	100 - 240 V AC	
Line frequency AC		47 – 63 Hz	
Power factor correction filter (PFC)		not necessary	
Input voltage range AC	[U <sub>I AC</sub> ]	90 ... 264 V AC	
Input voltage range DC	[U <sub>I DC</sub> ]	120 ... 375 V DC	
Rated input current (U <sub>I AC</sub> = 115 V, I <sub>ON</sub> )		1.8 A typ. / 2.2 A max.	
Inrush current (U <sub>I</sub> = 115 V / 230 V AC, I <sub>ON</sub> )		max. 30 A / max. 60 A	
Input fuse		T 3.15A / 250 V AC (internal)	
Hold up time (U <sub>I</sub> = 115 V / 230 V AC, I <sub>ON</sub> )		> 10 ms / > 60 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.		35 kHz / 45 kHz	
Ventilation / Cooling		Free air convection	
Mounting conditions (free space)		25 mm in all directions	
Pollution degree		2	
Operating ambient temperature	[T <sub>U</sub> ]	-25 °C . . . +71 °C	
Humidity in operation		20 – 95 % RH	
Storage temperature	[T <sub>U</sub> ]	-25 °C . . . +85 °C	
Mounting on		DIN rail 35 mm (EN 60715)	
Degree of protection		IP 20	
MTBF		525000 h	
Dimensions (W x H x D)		90 x 91 x 57 mm	
Weight		ca. 0.38 kg	
Housing material		Plastic	
Connector cross section			
cross section min.	solid/stranded	0.5 mm <sup>2</sup>	(AWG26)
cross section max.	solid/stranded	2.5 mm <sup>2</sup>	(AWG12)
Strip length		7 mm	
Torque		0.6 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 4, 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	
Control elements			
Vout Adjust		Trim potentiometer for U <sub>Out</sub> adjustment	
Terminal connections			
-		2 x output voltage 24 V DC, negative output (internally connected)	
+		2 x output voltage 24 V DC, positive output (internally connected)	
L		AC: phase conductor, DC: no polarity	
N		AC: neutral conductor, DC: no polarity	