

wipos PB1 5-3

Technical Data

wipos PB1 5-3		Part number	81.000.6331.0
Rated input voltage AC	[U _{IN AC}]	100 - 240 V AC	
Line frequency AC		47 – 63 Hz	
Power 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})		0.3 A typ. / 0.4 A max.	
Inrush current (U _I = 115 V / 230 V AC, I _{ON})		max. 20 A / max. 40 A	
Input fuse		T 2A / 250 V AC (intern)	
Hold up time (U _I = 115 V / 230 V AC, I _{ON})		> 20 ms / > 100 ms	
Internal surge voltage protection		Varistor	
Isolation voltage (input/output)		3000 V AC / 4242 V DC	
Isolation resistance (input/output)		100 MOhm	
Switching frequency min. / max.		65 kHz typ.	
Ventilation / Cooling		free convection	
Mounting conditions (free space)		25mm free space on all sides recommended for cooling	
Pollution level		2	
Operating ambient temperature range	[T _U]	-40 °C ... +71 °C	
Humidity in operation		20 – 95 % RH	
Storage temperature range	[T _U]	-40 °C ... +85 °C	
Mounting on		DIN rail 35 mm (EN 60715)	
Degree of protection		IP 20	
MTBF		832.000 h	
Dimensions (W x H x D)		35 x 91 x 57 mm	
Weight		ca. 0.13 kg	
Housing material		plastic	
Connector cross section screw terminals			
cross section (min.)	solid/stranded	0.5 mm ²	(AWG24)
cross section (max.)	solid/stranded	2.5 mm ²	(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			
V _{out} Adjust		Trim potentiometer for fine adjustment of U _{out}	
Terminal connections			
-		2 x output voltage 5 V, negative terminal (internally connected)	
+		2 x output voltage 5 V, positive terminal (internally connected)	
L		AC: Phase, DC: no polarity	
N		AC: Neutral, DC: no polarity	